Terminal blocks
Catalogue 2018/2019
Let's connect.

Klippon® Connect – Connectivity

Weidmüller

Dear Customers,

The PDF versions of our catalogues offer practical additional functions, helping you to find your way around our product range and simplifying the ordering process.

In addition to the catalogue, the PDF also contains:
- Internal page links
- Links to the online catalogue

Try it out for yourself. Click the order number to obtain more detailed information and close-up images via you web browser. The links in the PDF file also enable you to go directly to the next desired catalogue page.

Further Weidmüller product catalogues can be accessed by clicking the following:

Terminal blocks
Catalogue 1

Terminal blocks

Universal range

- Spring connection with PUSH IN technology (A-Series / P-Series)
- Spring connection with tension clamp technology (Z-Series)
- Screw connection with clamping yoke technology (W-Series)
- Screw connection with stud technology

Application range

- Power feed-in
- Power distribution
- Control voltage distribution
- Instrument transformer wiring
- Signal wiring
- DCS marshalling
- Shielding and earthing
- Building installation wiring

Notes, standards and definitions

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Weidmüller Service and support

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Addresses worldwide

The Weidmüller range at a glance

A world full of connections

Cloud Services

Field Services

Applications

Photovoltaics

Wind

Weidmüller Monitoring Systems

Machinery

Devices

Electronic housings

PCB RJ 45 sockets

PCB USB sockets

PCB power connectors PUSH IN

PCB power connectors screw

PCB power terminals PUSH IN

PCB power terminals screw

PCB signal connectors PUSH IN

PCB signal connectors screw

PCB signal terminals PUSH IN

PCB signal terminals screw

Cabinet

Wireless routers

Routers

IoT gateways

IoT controllers with web-based engineering

Multi-touch panels

Communicative signal processing

Remote I/O

Switches unmanaged

Switches managed

Cable connectors

Communication-capable power supply

Service interfaces

Energy monitoring

Analogue signal conditioning

Solid-state relays

Power supplies

Buffer/USV/Batteries

Control voltage distribution

Safety relays

Surge protection signals

Terminals stud

Terminals screw

Terminals tension clamp

Terminals PUSH IN

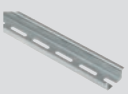
Shielding and earthing

Interfaces

Surge protection power

Relay modules

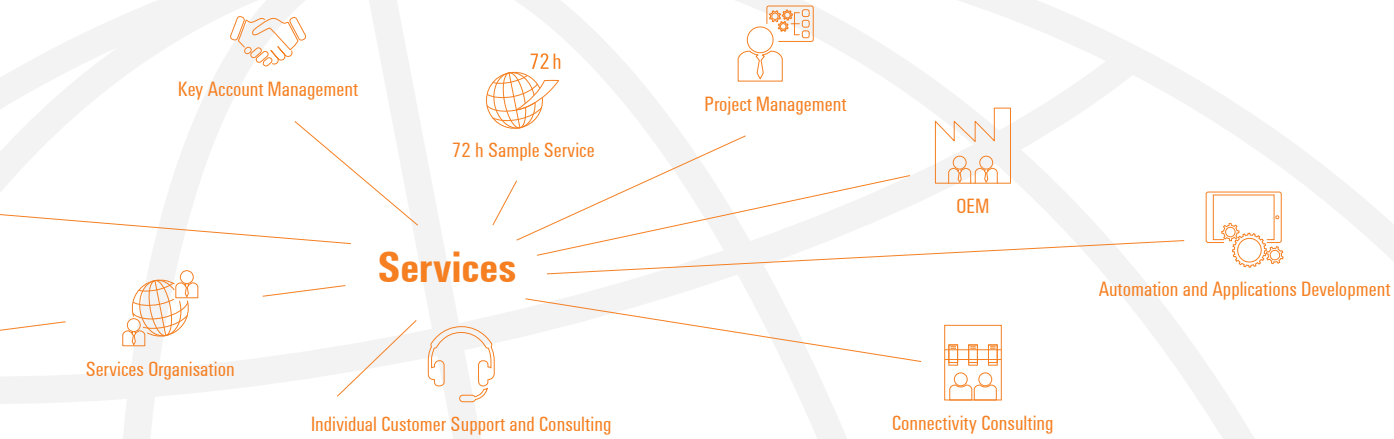
Relays and solid-state relays


Mounting rails

Assembled rails

Cable ducts

Filter fans



Remote Maintenance

Terminal Strip Assembly

Enclosure Assembly

Industrial Analytics

Field

IE connections

Unmanaged switches IP 67

Contactless power transmission

SAI remote I/O

SAI passive

SAI interfaces

Decentralised power bus systems

Heavy-duty connectors

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IE interfaces

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Aluminium enclosures

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Workplace

Weidmüller Configurator

Systemised marking software

Printers (ink application)

Printers (thermal transfer)

Wire markers

Cable markers

Terminal markers

Device markers

Testing

Other tools

Cutting

Stripping

Crimping

Machines

Extra efficiency in planning, installation and operation

Klippon® Connect provides you with added value at all stages

Panels are key elements of many industrial applications. They transmit signals, control data and distribute power – sometimes under the most adverse of conditions, such as vibrations, dust, cold or extreme heat. What is more, they have to be individually designed and built to suit the requirements and the industries they will be used in. All of the steps in the panel building process are key to increasing efficiency in the long term and exploiting potential for optimisation.

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from planning through installation to operation. The result is solutions that support products and processes to offer you added value at all stages. Klippon® Connect, our terminal block range, is the best example of this, given that it is another pioneering solution in the field of industrial connectivity.

Our promise

With Klippon® Connect, you benefit from productivity gains throughout the entire panel building process. These include time-saving planning and project planning, faultless wiring and faster marking operations, for example.

Achieving greater productivity one step at a time

Every panel building process starts at the planning stage. It is here that the foundations for optimum set-up are laid. Once there is a plan in place, preparatory work and installation can start. The panel components are marked, wired and checked. The fully installed panel can then be put into operation. To ensure that you achieve the greatest possible level of efficiency in this process, we have continuously examined the optimisation potential of the individual phases of planning, installation and operation and how they interlink with one another. The result is innovative products and services that support you at all the stages of the panel building process.

Up to 75 percent engineering

- Faster planning with the Weidmüller Configurator
- Error-free configuration through compatibility checks on products and accessories
- High level of transparency throughout the entire process thanks to linked data models
- Easy creation of product documentation

High wiring density with maximum ease of installation

- Noticeably faster wiring with PUSH IN technology
- All product functions can be clearly distinguished
- Flexible potential distribution thanks to various cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

Higher availability during operation in the long term

- Simpler testing procedure thanks to integrated test point
- Hot rewiring possible without special tools thanks to PUSH IN technology with pushers
- Gas-tight and vibration-resistant connections for interference-free operation
- Flexible, simple modification and extension

Solutions for more productivity

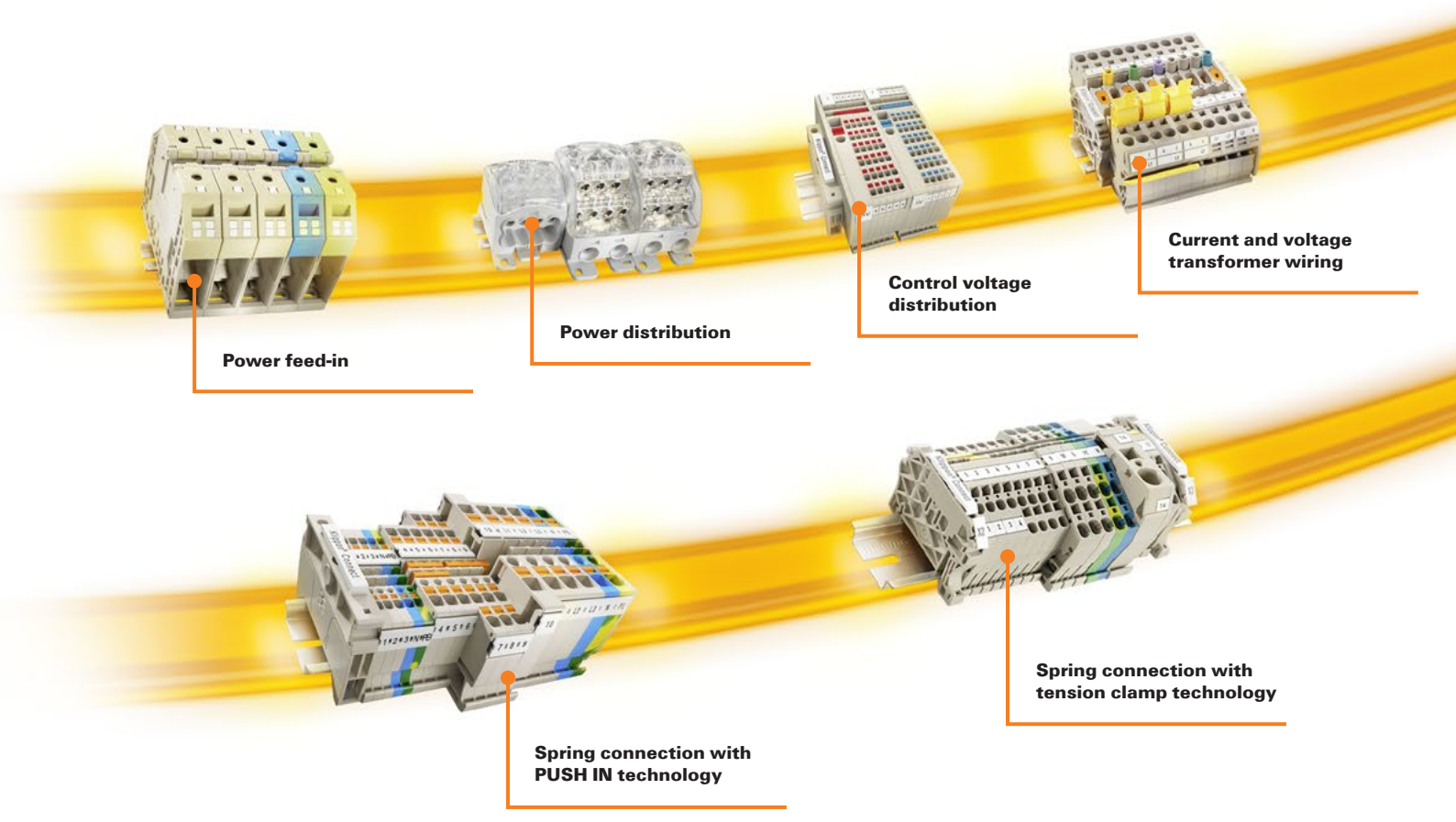
Extremely flexible process design – with Klippon® Connect

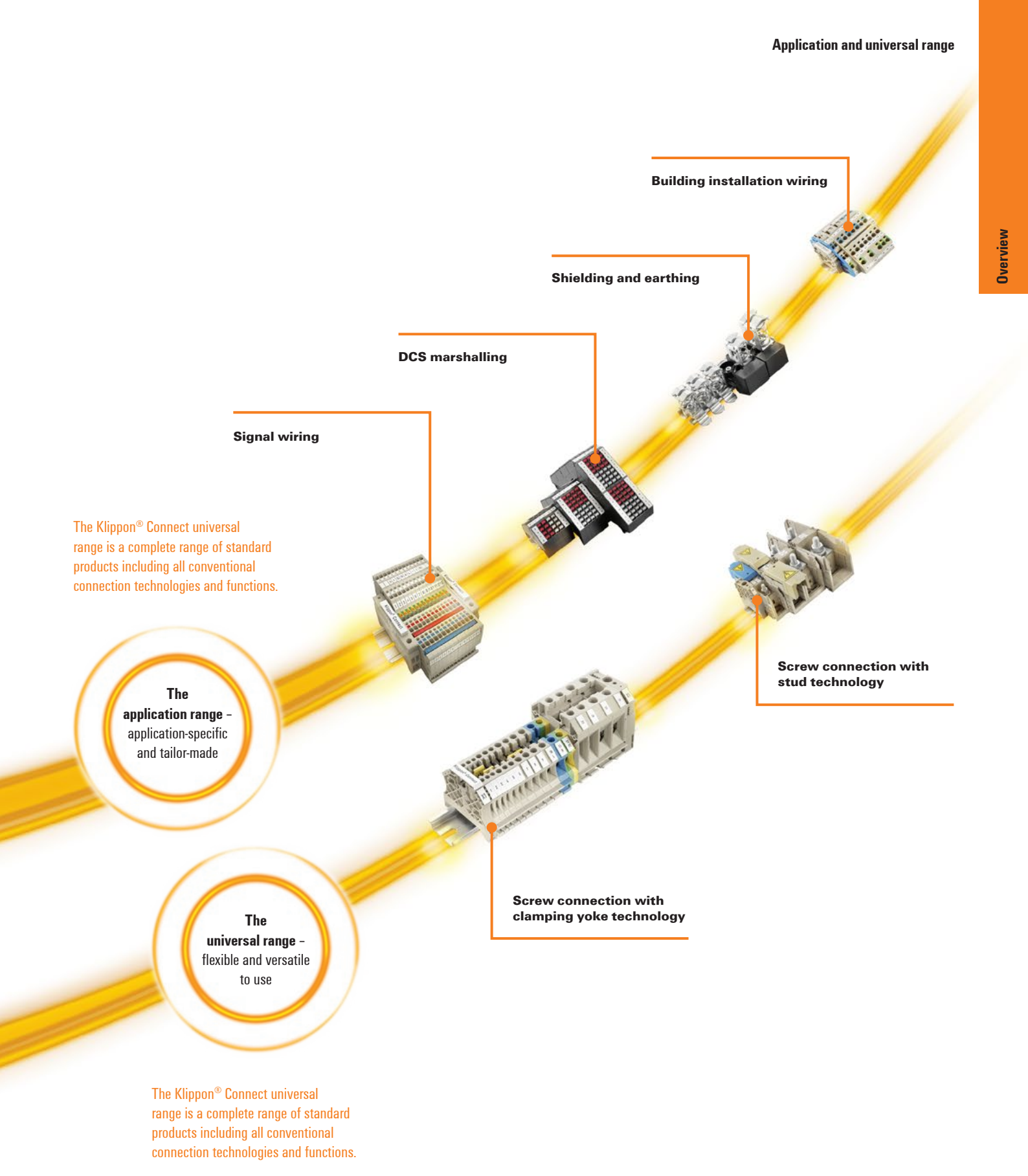
Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable.

Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal range. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety. And when tailored configuration is required, our customer-specific assembly service is available.

Our promise

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your panel applications.





The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

The application range – application-specific and tailor-made

The universal range – flexible and versatile to use

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

From intelligent item data to the finished panel

Weidmüller Configurator: simpler configuration and ordering

Digital information is becoming increasingly important during product development. Starting with the product selection, configuration and creation of a virtual prototype through to the automated production and installation, end-to-end available data models are a cornerstone of digital production. This requires standardised product data and interfaces between the energy tools networked together and integration into the corporate IT environment. The "Weidmüller Configurator" software forms the ideal basis for end-to-end transparent panel planning.

Our promise

The Weidmüller Configurator speeds up panel planning by up to 70 percent, thus increasing productivity. You can benefit from high levels of data transparency and availability throughout the entire engineering process.

Integrated digital planning – quick and simple

Provision of intelligent item data
The product data from the software provide comprehensive support in configuration and can be fully integrated into all conventional engineering tools. The complete data transparency and availability across all process phases are a basic prerequisite for the implementation of Industry 4.0 in future panel building.

Simple and secure labelling
The Weidmüller Configurator enables virtually labelling of your whole project. Thanks to direct interfaces to CAD programs and the M-Print® PRO labelling software, you can plan and label your components in a single step.

Always the right configuration
The automatic filter function provides active assistance in putting together terminal blocks by preventing and automatically correcting incorrect assemblies. You can only add selected fitting accessories to your current configuration. This makes planning easier and saves a huge amount of time. At the same time, you can benefit from seamless documentation of your assembled terminal rails.

Fast and simple product enquiry
Once you have found your perfect combination, you can enquire about the components directly from the software – either as individual components or as a pre-assembled complete solution on a DIN rail which then only needs to be fitted to the mounting plate.

Get started online now!
The Weidmüller Configurator makes configuration easy. Visit our website and make the most of the wide range of benefits for your engineering process.

Full information on the software can be found here:
www.weidmueller.com/configurator

Tailor-made terminal strips

Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.

From ready-specified strips that are immediately available from stock, through simple configurations with a short delivery time, to complex solutions with a high engineering requirement, we can respond flexibly to your needs. Simply talk to our sales staff, so that, together, we can head off in the right direction for your project.

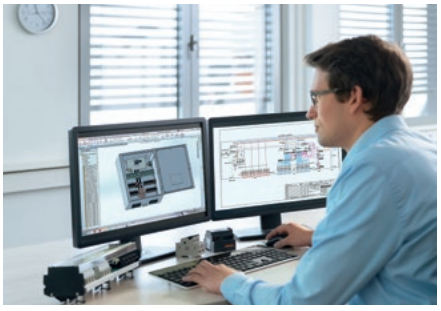
Our promise

We believe that custom work is the perfect interaction between the product and the service. Both of these elements combine to form a single unit that guarantees the very best quality and thus satisfied customers, even when it comes to the terminal strips.

Working towards a customer-specific solution

1.

Defining the task
We support you right from the start:
- Actual analysis
- Project definition



2.

Advice
Individually to suit your needs:
- Over the phone and on site
- Application-specific product selection
- In-depth dialogue

Product and service – perfectly coordinated to one another
However your product is designed, at the end of the day you can rest assured that you are using the best solution. Simply tell us what you would like, and we will make it happen:

- Selection of materials for the terminal rails: steel, stainless steel, aluminium or plastic
- Machining the terminal rail: cutting, punching and attaching a wide range of different mounting aids
- Assembling the terminal strips with snap-on components (terminal blocks and electronic products, as well as additional products from other manufacturers as required)
- Establishing cross-connections
- Fitting standard conductors
- Marking terminals, devices, conductors and cables

Your turnkey customised solution

4.

Production, logistics, documentation
Everything from a single source:
- Production technology
- Inventory management
- Comprehensive documentation as per the customer's requirements

3.

Application-specific development
The foundation for your success:
- Joint solution development
- Bespoke configuration
- Sample production

Service connects
You will find information about other services from Weidmüller at:
www.weidmueller.com/service

Universal range

Universal range

Connection technologies A.2

Spring connection with PUSH IN technology (A-Series) A.4

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- PE terminal blocks A.22
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Screw connection with stud technology A.326

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- Feed-through terminal blocks – ST4000 A.344

Application-oriented wiring

Klippon® Connect always offers the right connection technology

Terminal blocks have to withstand a great deal – day in and day out. In addition to being robust and reliable, they have to be clearly arranged and easy to use. This is the only way to prevent incorrect wiring and ensure reliably safe connections. Any choice of connection technology very much depends on the application in question.

Our promise
Whether you opt for a screw variant or a spring variant, our proven Weidmüller connection systems and the comprehensive Klippon® Connect product range allow you to complete all applications in the panel efficiently and flexibly.

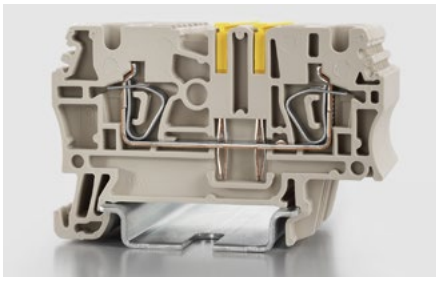
Spring connection with PUSH IN technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

Connection sizes:
0.13 mm² to 16 mm²

Connection principle:
With the PUSH IN connection technology, the force on the conductor is generated by a pressure spring made of high-quality, acid-resistant stainless steel. The spring sits in a cage and is automatically opened upon connection. The proven Weidmüller system, which separates the mechanical and the electrical function, ensures both high rated data and high conductor pull-out forces.

Application and areas of use:
PUSH IN technology offers the decisive handling benefit wherever solid conductors or conductors with wire-end ferrules are used. And that is both in machine construction and in building installation.



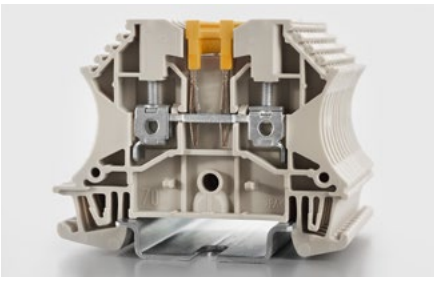
Spring connection with tension clamp technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

Connection sizes:
0.05 mm² to 35 mm²

Connection principle:
The tension clamp system works in a similar way to the proven clamping yoke. The tension clamp made of high-quality, acid-resistant stainless steel pulls the conductor against the galvanised copper current bar. The surface-treated current bar permanently provides a low level of contact resistance and a high level of corrosion resistance.

Application and areas of use:
Its fast wiring times and vibration resistance make tension clamp technology an ideal connection solution in industrial zones such as machine construction, the automotive sector, railway construction and shipbuilding.



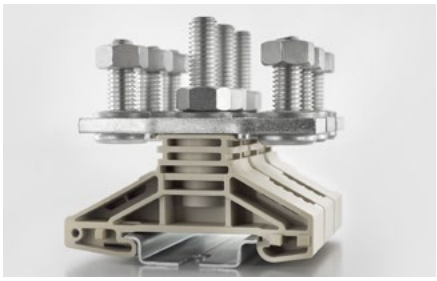
Screw connection with clamping yoke technology

The patented Weidmüller clamping yoke system sets standards. The fact that it is simple to handle makes clamping yoke technology the universal screwed connection solution for all conductor types.

Connection sizes:
0.05 mm² to 240 mm²

Connection principle:
The clamping yoke system combines the specific properties of steel and copper. While the clamping yoke and clamping screw are made of hardened steel, the current is made of copper or high-quality copper alloy. The clamping yoke pulls the conductor to be connected against the current bar. Our clamping yoke system is maintenance-free and guarantees vibration-resistant connections.

Application and areas of use:
The Weidmüller clamping yoke connection is designed to meet the highest demands, such as those encountered in power generation, power measurement, process technology and even switchgear construction.



Screw connection with stud technology

With stud technology, you are relying on an affordable and, at the same time, a safe and robust connection solution for applications in particularly harsh conditions.

Connection sizes:
10 mm² to 300 mm²

Connection principle:
Cable lugs crimped onto the ends of the conductor ensure a secure connection. The cable lugs are put on between the washer on the clamp support and the thrust washer on the stud. The reverse sides of the cable lugs are positioned against one other. Tightening the hexagon nut causes the cable lug flaps to press against one another – thereby creating a secure contact.

Application and areas of use:
Our stud terminals are particularly suitable for use within traffic engineering, since all stud terminals are tested according to International Railway Industry Standards.

Fast wiring. But safe.

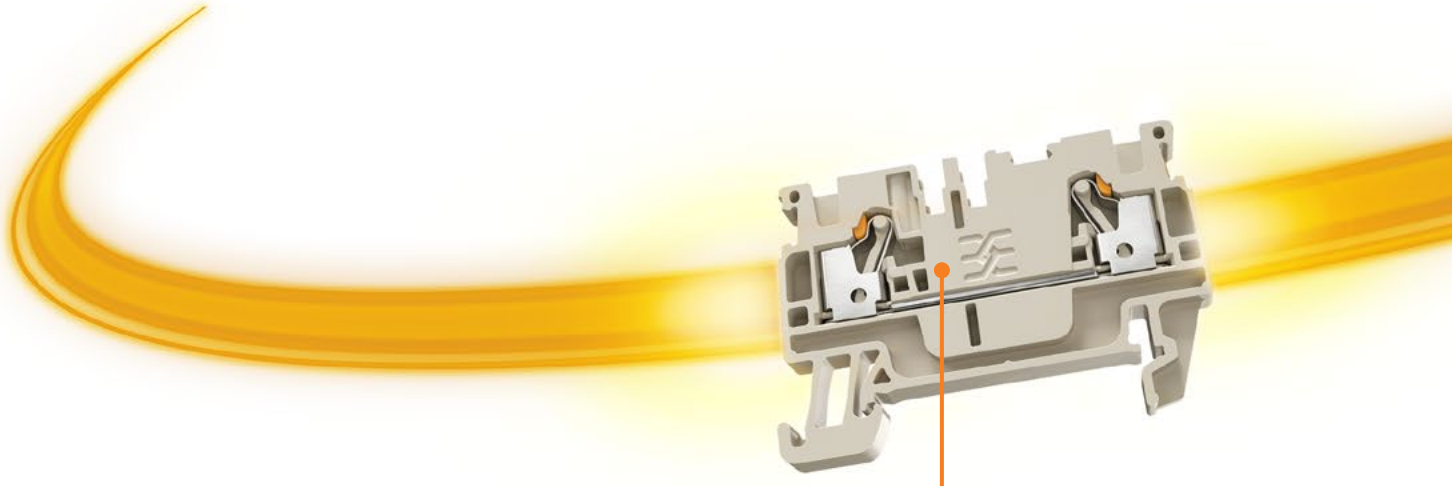
Klippon® Connect enhances your efficiency with PUSH IN technology

Increase your efficiency during installations without compromising on safety. The innovative PUSH IN technology reduces connection times for solid conductors and conductors with crimped-on wire-end ferrules by up to 50 percent compared to tension clamp terminals. The conductor is simply inserted into the contact point as far as the stop and that's it – you have a safe, gas-tight connection. Even stranded-wire conductors can be connected without any problem and without the need for special tools.

Safe and reliable connections are crucial, especially under harsh conditions, such as those encountered in the process industry. PUSH IN technology guarantees optimal contact security and ease of handling, even in demanding applications.

Our promise

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.



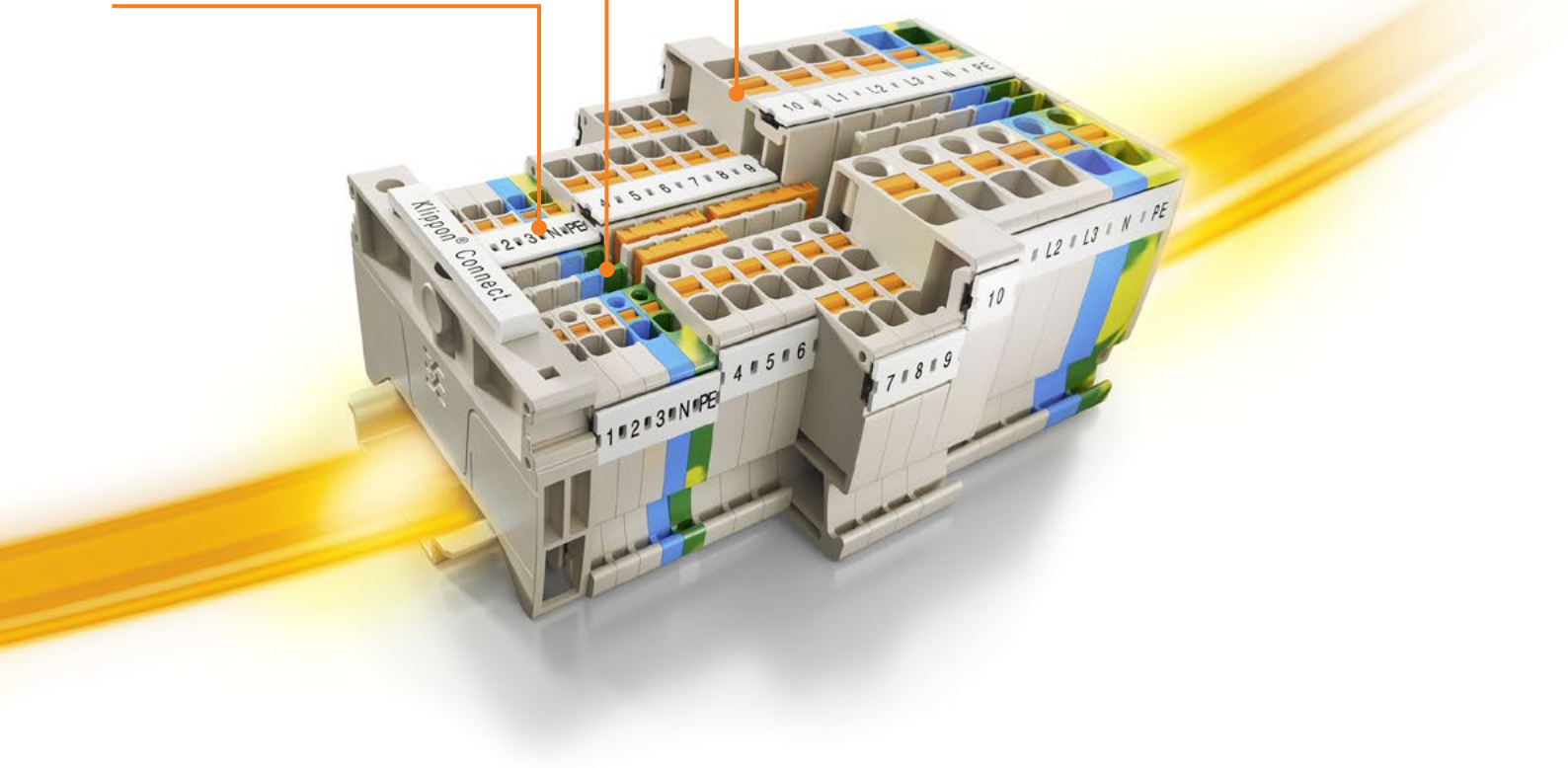
Safety

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring

Flexibility
- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

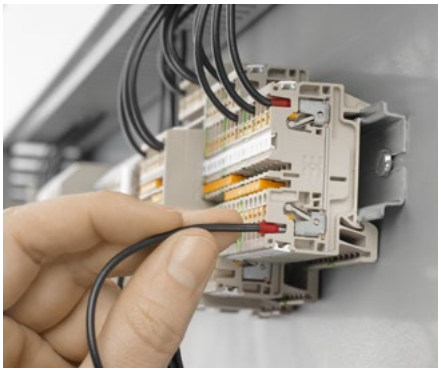
Time saving
- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

Space-saving design
- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail



Overview

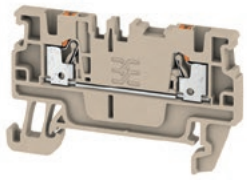
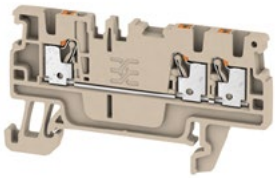
Thanks to the extensive choice of accessories and the different cross-connection options, our PUSH IN terminal blocks are the perfect solution for every requirement.



Functional transparency:
All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

Ready for automation:
A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.

Safely prevent incorrect wiring:
The pusher for releasing the contacts ensures safe contact protection.

	A2C 1.5	A3C 1.5
	1.5 mm²	1.5 mm²
		
Width/Height/Depth mm	3.5 x 55 x 33.5	3.5 x 61.5 x 33.5
max. current / max. cond. cross-section A/mm²	17.5 / 1.5	17.5 / 1.5
Max. clamping range mm²	0.14...1.5	0.14...1.5

Technical data

	A2C 1.5	A3C 1.5
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC: 500 / UL: 300 / CSA: / EN 60079-7:	IEC: 500 / UL: 300 / CSA: / EN 60079-7: 440
for wire cross-section mm²	IEC: 17.5 / UL: 13 / CSA: / EN 60079-7:	IEC: 17.5 / UL: 13 / CSA: / EN 60079-7:
Rated impulse withstand voltage / Pollution severity	IEC: 1.5 / UL: AWG 26...14 / CSA: / EN 60079-7:	IEC: 1.5 / UL: AWG 26...14 / CSA: / EN 60079-7: 1.5 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating	6 kV / 3	6 kV / 3
Approvals	A1 / V-0	A1 / V-0
		TÜV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	**Rated connection**	**Rated connection**
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Stripping length / Blade size mm/-	0.5...1.5 / 0.5...1	0.5...1.5 / 0.5...1
	8 / 0.4 x 2.0 mm	8 / 0.4 x 2.0 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	A2C 1.5	A3C 1.5
	Type / Qty. / **Order No.**	**Type** / Qty. / **Order No.**
dark beige	A2C 1.5 / 100 / **1552790000**	A3C 1.5 / 50 / **1552740000**
blue	A2C 1.5 BL / 100 / **1552820000**	A3C 1.5 BL / 50 / **1552770000**
Note		

Accessories

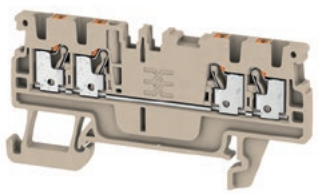
	A2C 1.5	A3C 1.5
Pluggable cross-connection	**Type** / current / Qty. / **Order No.**	**Type** / current / Qty. / **Order No.**
2-pole		
10-pole		
2-pole	ZQV 1.5N/2 / 17.5 A / 60 / **1985410000**	ZQV 1.5N/2 / 17.5 A / 60 / **1985410000**
10-pole	ZQV 1.5N/10 / 17.5 A / 20 / **1985580000**	ZQV 1.5N/10 / 17.5 A / 20 / **1985580000**
End plate		
dark beige	AEP 2C 1.5 / 50 / **1552600000**	AEP 3C 1.5 / 50 / **1552620000**
Blue	AEP 2C 1.5 BL / 50 / **1552610000**	AEP 3C 1.5 BL / 50 / **1552630000**
End bracket		
dark beige	AEB 35 SC/1 / 50 / **1991920000**	AEB 35 SC/1 / 50 / **1991920000**
dark beige	ZEW 35 / 20 / **9540000000**	ZEW 35 / 20 / **9540000000**
Test adapter		
1-pole	ATPG 1.5-10 L / 50 / **1991890000**	ATPG 1.5-10 L / 50 / **1991890000**
stackable	ATPG 1.5 MI-R / 50 / **1991880000**	ATPG 1.5 MI-R / 50 / **1991880000**
3-pole		
5-pole		
Test plug		
	PS 2.0 MC / 20 / **0310000000**	PS 2.0 MC / 20 / **0310000000**
Screwdriver		
Standard	SDS 0.4X2.0X60 / 1 / **9037160000**	SDS 0.4X2.0X60 / 1 / **9037160000**
Identification systems		
	WS 10/3.5 PLUS MC NE WS / 960 / **2003760000**	WS 10/3.5 PLUS MC NE WS / 960 / **2003760000**
	DEK 5/3.5 MM WS / 1000 / **2007100000**	DEK 5/3.5 MM WS / 1000 / **2007100000**
	WS 8/3.5 MM WS / 1000 / **2007140000**	WS 8/3.5 MM WS / 1000 / **2007140000**
	DEK 5/3.5 PLUS MC NE WS / 1600 / **2003750000**	DEK 5/3.5 PLUS MC NE WS / 1600 / **2003750000**

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A4C 1.5 — 1.5 mm²



3.5 x 67.5 x 33.5
17.5 / 1.5
0.14...1.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
17.5	13		
1.5	AWG 26...14		
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

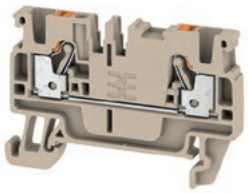
Approval in progress

Type	Qty.	Order No.
A4C 1.5	100	**1552690000**
A4C 1.5 BL	100	**1552700000**

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	**1985410000**
ZQV 1.5N/10	17.5 A	20	**1985580000**
AEP 4C 1.5		50	**1552640000**
AEP 4C 1.5 BL		50	**1552650000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

All MultiMark variants (MM) = strip markers

A2C 2.5 — 2.5 mm²



5.1 x 55 x 36.5
24 / 2.5
0.14...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

TÜV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

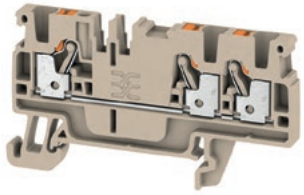
Approval in progress

Type	Qty.	Order No.
A2C 2.5	100	**1521850000**
A2C 2.5 BL	100	**1521880000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2C 2.5		50	**1514400000**
AEP 2C 2.5 BL		50	**1514420000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

A3C 2.5 — 2.5 mm²



5.1 x 66.5 x 36.5
24 / 2.5
0.14...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

TÜV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

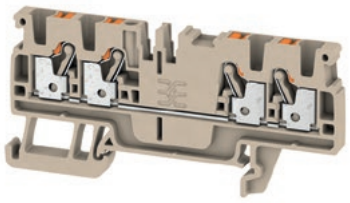
Approval in progress

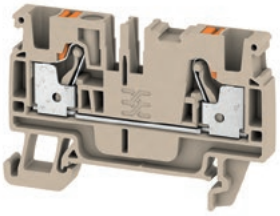
Type	Qty.	Order No.
A3C 2.5	100	**1521740000**
A3C 2.5 BL	100	**1521780000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 3C 2.5		50	**1521510000**
AEP 3C 2.5 BL		50	**1521520000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

	A4C 2.5	A2C 4
	2.5 mm²	4 mm²
Width/Height/Depth mm	5.1 x 77.5 x 36.5	6.1 x 60 x 39.5
max. current / max. cond. cross-section A/mm²	24 / 2.5	32 / 4
Max. clamping range mm²	0.14...2.5	0.5...4





Technical data

Rated data	A4C 2.5	A2C 4
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550	IEC 800 / UL 600 / CSA 600 / EN 60079-7 550
for wire cross-section mm²	24 / 20 / 20	32 / 30 / 30
Rated impulse withstand voltage / Pollution severity	2.5 / AWG 28...12 / AWG 28...12 / 2.5 mm²	4 / AWG 28...10 / AWG 26...10 / 4 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating	8 kV / 3	8 kV / 3
Approvals	A3 / V-0	A4 / V-0
	CE cULus EAC Ex TÜV16ATEX7909U	CE cULus EAC Ex TÜV16ATEX7909U
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Note	Approval in progress	Approval in progress

Ordering data

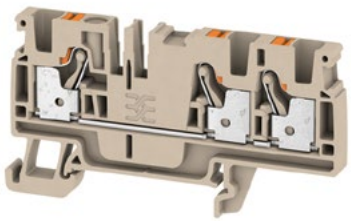
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A4C 2.5	100	1521690000	A2C 4	100	2051180000
blue	A4C 2.5 BL	100	1521700000	A2C 4 BL	100	2051210000
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000				
10-pole	ZQV 2.5N/10	24 A	20	1527690000				
2-pole					ZQV 4N/2	32 A	60	1527930000
10-pole					ZQV 4N/10	32 A	20	1528090000
End plate								
dark beige	AEP 4C 2.5		50	1521530000	AEP 2C 4		50	2051680000
Blue	AEP 4C 2.5 BL		50	1521640000	AEP 2C 4 BL		50	2051690000
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
1-pole	ATPG 1.5-10 L		50	1991890000	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 2.5 MI-R		50	1991960000	ATPG 4 MI-R		50	1991860000
3-pole	ATPG 2.5/3		25	2041190000				
5-pole	ATPG 2.5/5		25	2041180000				
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 0,6x3,5x100		1	9042110000	SDIL 0,6x3,5x100		1	9042110000
Identification systems								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	WS 10/6 M PLUS MC NE WS		600	2003780000
	DEK 5/5 MM WS		800	2007110000	DEK 5/6 MM WS		600	2007120000
	WS 8/5 MM WS		800	2007150000	WS 8/6 MM WS		600	2007160000
	WS 10/5 M PLUS MC NE WS		600	2003770000	DEK 5/6 PLUS MC NE WS		1000	1011320000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

A3C 4 — 4 mm²



6.1 x 74 x 39.5
32 / 4
0.5...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	
4	AWG 28...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		
			TÜV16ATEX7909U

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

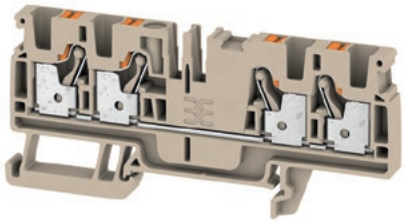
Approval in progress

Type	Qty.	Order No.
A3C 4	50	**2051240000**
A3C 4 BL	50	**2051280000**

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 3C 4		20	**2051720000**
AEP 3C 4 BL		20	**2051880000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 4 MI-R		50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

All MultiMark variants (MM) = strip markers

A4C 4 — 4 mm²



6.1 x 87.5 x 39.5
32 / 4
0.5...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	
4	AWG 28...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		
			TÜV16ATEX7909U

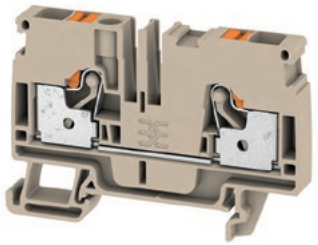
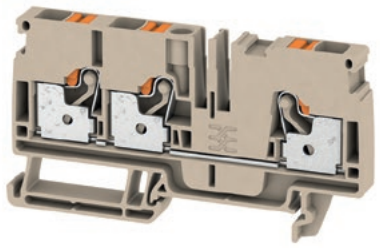
Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A4C 4	50	**2051500000**
A4C 4 BL	50	**2051520000**

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 4C 4		20	**2051900000**
AEP 4C 4 BL		20	**2051910000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 4 MI-R		50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

All MultiMark variants (MM) = strip markers

	A2C 6	A3C 6
	6 mm²	6 mm²
		
Width/Height/Depth mm	8.1 x 66.5 x 45.5	8.1 x 84.5 x 45.5
max. current / max. cond. cross-section A/mm²	**41 / 6**	**41 / 6**
Max. clamping range mm²	**0.5...6**	**0.5...6**

Technical data

	A2C 6	A3C 6
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
for wire cross-section mm²	800 / 600 / 600 / 550	800 / 600 / 600 / 550
Rated impulse withstand voltage / Pollution severity	41 / 38 / 38	41 / 38 / 38
Gauge to IEC 60947-1 / UL 94 flammability rating	6 / AWG 22...8 / AWG 22...8 / 6 mm²	6 / AWG 22...8 / AWG 22...8 / 6 mm²
Approvals	8 kV / 3	8 kV / 3
	A5 / V-0	A5 / V-0
	TÜV16ATEX7909U	TÜV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule -	...6 / 0.5...6	...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A2C 6	50	**1992110000**	A3C 6	50	**1991820000**
blue	A2C 6 BL	50	**1991790000**	A3C 6 BL	50	**1991830000**
Note						

Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 6N/2	41 A	60	**1985740000**	ZQV 6N/2	41 A	60	**1985740000**
End plate								
dark beige	AEP 2C 6		50	**1991970000**	AEP 3C 6		50	**1991940000**
Blue	AEP 2C 6 BL		50	**1991950000**	AEP 3C 6 BL		20	**1991910000**
End bracket								
dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter								
1-pole	ATPG 1.5-10 L		50	**1991890000**	ATPG 1.5-10 L		50	**1991890000**
stackable	ATPG 6 MI-R		50	**1991930000**	ATPG 6 MI-R		50	**1991930000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 1,0x5,5x125		1	**9042130000**	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems								
	DEK-A 5/8 MM WS		500	**2448860000**	DEK-A 5/8 MM WS		500	**2448860000**
	WS-A 8/8 MM WS		500	**2448930000**	WS-A 8/8 MM WS		500	**2448930000**
	DEK 5/8 PLUS MC NE WS		800	**1046350000**	DEK 5/8 PLUS MC NE WS		800	**1046350000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**	WS 10/8 PLUS MC NE WS		420	**1905950000**

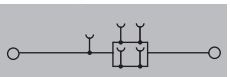
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

ALO 6 — 6 mm²

Width/Height/Depth	mm	9 x 77 x 45.5
max. current / max. cond. cross-section	A/mm²	**41 / 6**
Max. clamping range	mm²	**0.5...6**



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	550
Rated current A	41	38	38	
for wire cross-section mm²	6	AWG 22...8	AWG 22...8	6 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals				TÜV16ATEX7909U

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm

Note	
	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
dark beige	ALO 6	20	**1991780000**
blue	ALO 6 BL	20	**2065120000**

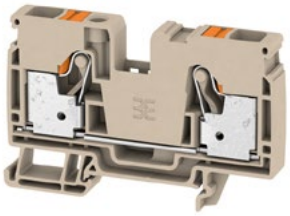
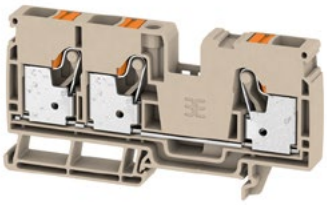
Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35		20	**9540000000**
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

	A2C 10	A3C 10
	10 mm²	10 mm²
		
Width/Height/Depth mm	10 x 80.5 x 51.5	10 x 102 x 51.5
max. current / max. cond. cross-section -/mm²	/ 10	/ 10
Max. clamping range mm²	0.5...10	0.5...10

Technical data

	A2C 10	A3C 10
Rated data	DIN EN 60947-7-1	DIN EN 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	1000	1000
Rated current A	57	57
for wire cross-section mm²	10	10
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A6 / V-0	A6 / V-0
Approvals	EAC	EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	A2C 10	25	2490360000	A3C 10	25	2490520000
blue	A2C 10 BL	25	2490370000	A3C 10 BL	25	2490510000
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 10N/2		25	2497250000	ZQV 10N/2		25	2497250000
10-pole								
2-pole								
10-pole								
2-pole								
10-pole								
2-pole								
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Test adapter								
1-pole	ATPG 10 MI-R		50	1991870000	ATPG 10 MI-R		50	1991870000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 1,0x5,5x125		1	9042130000	SDIL 1,0x5,5x125		1	9042130000
Identification systems								
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000	WS 7.8/9.2 PLUS MC NE GR		360	1208970000
End plate								
dark beige	AEP 2C 10/16		20	2490380000	AEP 3C 10/16		20	2490530000
blue	AEP 2C 10/16 BL		20	2490390000	AEP 3C 10/16 BL		20	2490540000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

A2C 16 — 16 mm²

12 x 80.5 x 51.5
/ 16
0.75...16

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
	8 kV / 3		
	A6 / V-0		

EAC

Rated connection
0.75...10 / 0.75...16
0.75...16 / 1.5...16
18 / 1.0 x 5.5 mm

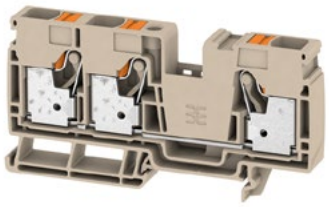
Approval in progress

Type	Qty.	Order No.
A2C 16	20	2494000000
A2C 16 BL	20	2494100000

Type	current	Qty.	Order No.
ZQV 16N/2		25	2497290000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

All MultiMark variants (MM) = strip markers

A3C 16 — 16 mm²



12 x 102 x 51.5
/ 16
0.75...16

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
	8 kV / 3		
	A6 / V-0		

EAC

Rated connection
0.75...10 / 0.75...16
0.75...16 / 1.5...16
18 / 1.0 x 5.5 mm

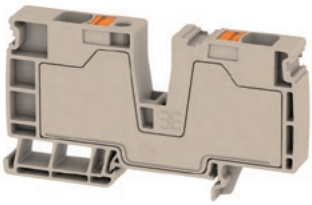
Approval in progress

Type	Qty.	Order No.
A3C 16	20	2494090000
A3C 16 BL	20	2494080000

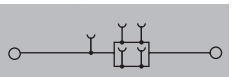
Type	current	Qty.	Order No.
ZQV 16N/2		25	2497290000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

All MultiMark variants (MM) = strip markers

ALO 16 — 16 mm²



12 x 95.5 x 51.5
/ 16
0.75...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
76			
16			
	8 kV / 3		
	A6 / V-0		

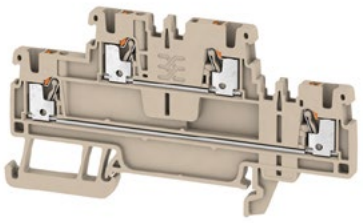
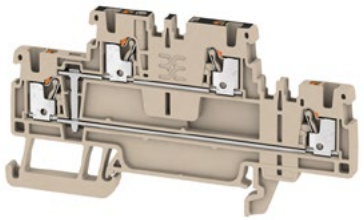
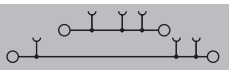
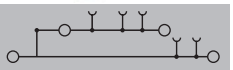
Rated connection
0.75...10 / 0.75...16
0.75...16 / 1.5...16
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
ALO 16	20	2502280000
ALO 16 BL	20	2502320000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

	A2T 1.5	1.5 mm²	A2T 1.5 VL	1.5 mm²
				
Width/Height/Depth mm	3.5 x 84 x 45		3.5 x 84 x 45	
max. current / max. cond. cross-section -/mm²	/ 1.5		/ 1.5	
Max. clamping range mm²	0.14...1.5		0.14...1.5	

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500			
Rated current A	17.5			
for wire cross-section mm²	1.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A1 / V-0	
Approvals	EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1			
Stripping length / Blade size mm/-	8 / 0.4 x 2.0 mm			
Note	Approval in progress			

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500			
Rated current A	17.5			
for wire cross-section mm²	1.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A1 / V-0	
Approvals	EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1			
Stripping length / Blade size mm/-	8 / 0.4 x 2.0 mm			
Note	Approval in progress			

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2T 1.5	50	**2469370000**
blue	A2T 1.5 BL	50	**2471430000**
Note			

Version	Type	Qty.	Order No.
dark beige	A2T 1.5 VL	50	**2469400000**
blue	A2T 1.5 VL BL	50	**2471450000**
Note			

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
End plate				
dark beige	AEP 2T 1.5		20	**2469420000**
Blue	AEP 2T 1.5 BL		20	**2471470000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
stackable	ATPG 1.5 MI-R		50	**1991880000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 0.4X2.0X60		1	**9037160000**
Identification systems				
	WS 10/3.5 PLUS MC NE WS		960	**2003760000**
	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**
	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
	SNAPMARK I		50	**1805880000**

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
End plate				
dark beige	AEP 2T 1.5		20	**2469420000**
Blue	AEP 2T 1.5 BL		20	**2471470000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
stackable	ATPG 1.5 MI-R		50	**1991880000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDS 0.4X2.0X60		1	**9037160000**
Identification systems				
	WS 10/3.5 PLUS MC NE WS		960	**2003760000**
	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**
	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
	SNAPMARK I		50	**1805880000**

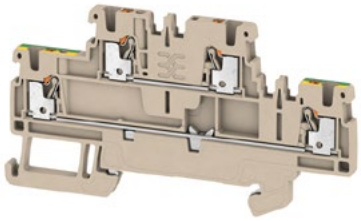
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

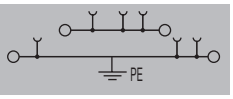
All MultiMark variants (MM) = strip markers

A2T 1.5 FT-PE

1.5 mm²



3.5 x 84 x 45
/ 1.5
0.14...1.5



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

EAC

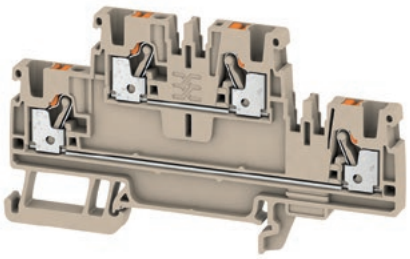
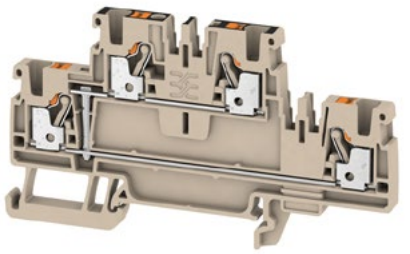
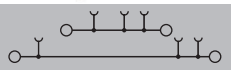
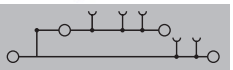
Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
A2T 1.5 FT-PE	50	**2469390000**

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	**1985410000**
ZQV 1.5N/10	17.5 A	20	**1985580000**
AEP 2T 1.5		20	**2469420000**
AEP 2T 1.5 BL		20	**2471470000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
SNAPMARK I		50	**1805880000**

All MultiMark variants (MM) = strip markers

	A2T 2.5	A2T 2.5 VL
	2.5 mm²	2.5 mm²
		
Width/Height/Depth mm	5.1 x 90 x 50.5	5.1 x 90 x 50.5
max. current / max. cond. cross-section A/mm²	24 / 2.5	24 / 2.5
Max. clamping range mm²	0.14...2.5	0.14...2.5
		

Technical data

Rated data	A2T 2.5	A2T 2.5 VL
Rated voltage V	IEC 60947-7-1: 800	IEC 60947-7-1: 800
Rated current A	24	24
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals	TÜV16ATEX7909U	TÜV16ATEX7909U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	Approval in progress	Approval in progress

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2T 2.5	50	1547610000
blue	A2T 2.5 BL	50	1547620000
Note			

Type	Qty.	Order No.
A2T 2.5 VL	50	1547650000
A2T 2.5 VL BL	50	1547660000

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
dark beige	AEP 2T 2.5		20	1547690000
blue	AEP 2T 2.5 BL		20	1547700000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 2.5 MI-R		50	1991960000
3-pole	ATPG 2.5/3		25	2041190000
5-pole	ATPG 2.5/5		25	2041180000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	9042110000
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000
	SNAPMARK I		50	1805880000

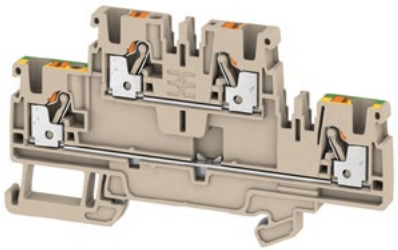
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

For detailed information on other accessories and application in the online catalogue

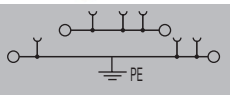
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A2T 2.5 FT-PE — 2.5 mm²



5.1 x 90 x 50.5
24 / 2.5
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TÜV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

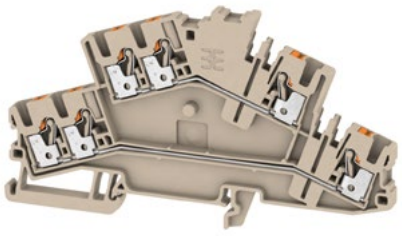
Approval in progress

Type	Qty.	Order No.
A2T 2.5 FT-PE	50	**1547640000**

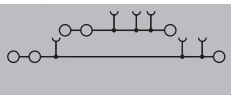
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5		20	**1547690000**
AEP 2T 2.5 BL		20	**1547700000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

All MultiMark variants (MM) = strip markers

A2T 2.5 3C — 2.5 mm²



5.1 x 114.5 x 64
24 / 2.5
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
24			21
2.5			2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TÜV16ATEX7909U

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

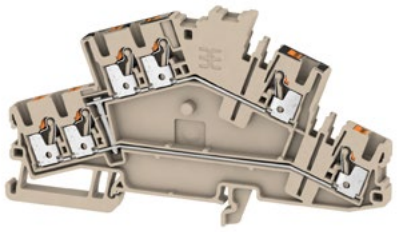
Approval in progress

Type	Qty.	Order No.
A2T 2.5 3C	50	**2531290000**
A2T 2.5 3C BL	50	**2531510000**

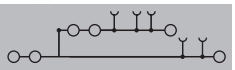
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5 3C		20	**2532690000**
AEP 2T 2.5 3C BL		20	**2532700000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

All MultiMark variants (MM) = strip markers

A2T 2.5 3C VL — 2.5 mm²



5.1 x 114.5 x 64
24 / 2.5
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
24			21
2.5			2.5 mm²
	8 kV / 3		
	A3 / V-0		
			TÜV16ATEX7909U

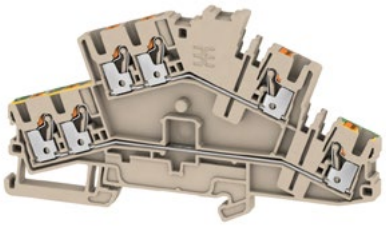
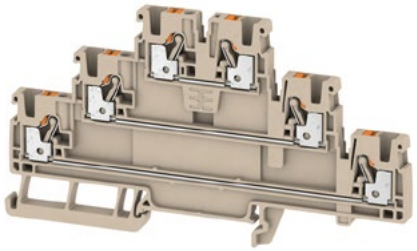
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

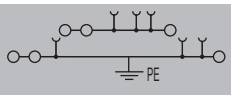
Approval in progress

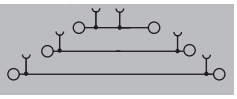
Type	Qty.	Order No.
A2T 2.5 3C VL	50	**2531310000**
A2T 2.5 3C VL BL	50	**2531530000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP 2T 2.5 3C		20	**2532690000**
AEP 2T 2.5 3C BL		20	**2532700000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**
SNAPMARK I		50	**1805880000**

All MultiMark variants (MM) = strip markers

		A2T 2.5 3C FT-PE	2.5 mm²	A3T 2.5	2.5 mm²
					
Width/Height/Depth	mm	5.1 x 114.5 x 64		5.1 x 116 x 64.5	
max. current / max. cond. cross-section	A/mm²	**24 / 2.5**		**22 / 2.5**	
Max. clamping range	mm²	**0.14...2.5**		**0.14...2.5**	





Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800			550
Rated current	24			21
for wire cross-section	2.5			2.5 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				TÜV16ATEX7909U
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	10 / 0.6 x 3.5 mm			
Note	Approval in progress			

DIN EN 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	300		
Rated current	22	20		
for wire cross-section	2.5	AWG 28...12		
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	10 / 0.6 x 3.5 mm			
Note	Approval in progress			

Ordering data

Version	Type	Qty.	Order No.
dark beige	A2T 2.5 3C FT-PE	50	**2531300000**
blue			
Note			

Version	Type	Qty.	Order No.
dark beige	A3T 2.5	50	**2428510000**
blue	A3T 2.5 BL	50	**2428520000**
Note			

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End plate				
dark beige	AEP 2T 2.5 3C		20	**2532690000**
blue	AEP 2T 2.5 3C BL		20	**2532700000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
stackable	ATPG 2.5 MI-R		50	**1991960000**
3-pole	ATPG 2.5/3		25	**2041190000**
5-pole	ATPG 2.5/5		25	**2041180000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**

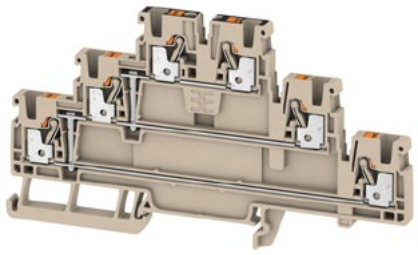
Pluggable cross-connection	Type	current	Qty.	Order No.
	ZQV 2.5N/2	24 A	60	**1527540000**
	ZQV 2.5N/10	24 A	20	**1527690000**
	AEP 3T 2.5		20	**2428560000**
	AEP 3T 2.5 BL		20	**2428860000**
	AEB 35 SC/1		50	**1991920000**
	ZEW 35/2		20	**8630740000**
	ATPG 1.5-10 L		50	**1991890000**
	ATPG 2.5 MI-R		50	**1991960000**
	ATPG 2.5/3		25	**2041190000**
	ATPG 2.5/5		25	**2041180000**
	PS 2.0 MC		20	**0310000000**
	SDIL 0,6x3,5x100		1	**9042110000**
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**

For detailed information on other accessories and application in the online catalogue

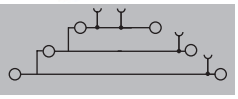
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A3T 2.5 VL — 2.5 mm²



5.1 x 116 x 64.5
24 / 2.5
0.14...2.5



DIN EN 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

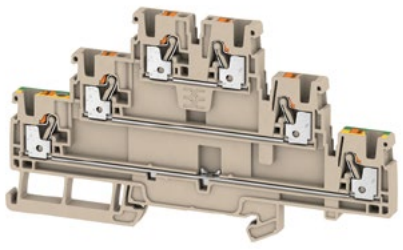
Approval in progress

Type	Qty.	Order No.
A3T 2.5 VL	25	2428540000
A3T 2.5 VL BL	25	2428850000

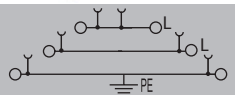
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3T 2.5		20	2428560000
AEP 3T 2.5 BL		20	2428860000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers

A3T 2.5 FT-FT-PE — 2.5 mm²



5.1 x 116 x 64.5
24 / 2.5
0.14...2.5



DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

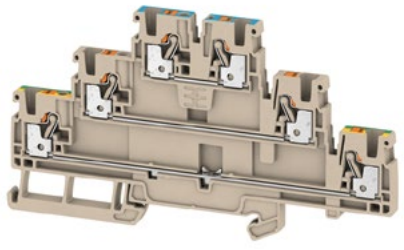
Approval in progress

Type	Qty.	Order No.
A3T 2.5 FT-FT-PE	50	2428530000

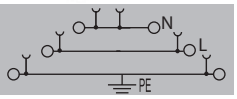
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3T 2.5		20	2428560000
AEP 3T 2.5 BL		20	2428860000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers

A3T 2.5 N-FT-PE — 2.5 mm²



5.1 x 116 x 64.5
24 / 2.5
0.14...2.5



DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

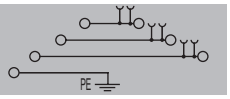
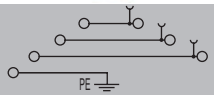
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3T 2.5 N-FT-PE	50	2428840000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3T 2.5		20	2428560000
AEP 3T 2.5 BL		20	2428860000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers

	AMC 2.5	2.5 mm²	AMC 2.5 800 V	2.5 mm²
Width/Height/Depth mm	5.1 x 107.5 x 88		6.1 x 107.5 x 88	
max. current / max. cond. cross-section A/mm²	**21 / 2.5**		**21 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data		AMC 2.5	AMC 2.5 800 V
Rated voltage	V	DIN EN 60947-7-1, DIN EN 60947-7-2	DIN EN 60947-7-1, DIN EN 60947-7-2
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
690	150			800	600		
22	20			22	20		
2.5	AWG 28...12			2.5	AWG 28...12		
		8 kV / 3				8 kV / 3	
		A3 / V-0				A3 / V-0	

Rated connection	Rated connection
0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note	AMC 2.5	AMC 2.5 800 V
	Approval in progress	Approval in progress

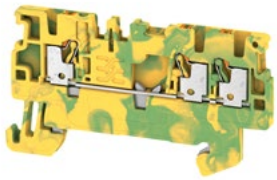
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	AMC 2.5	50	**2434340000**	AMC 2.5 800V	50	**2434370000**
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**				
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**				
Vertical jumpers								
1-pole	ZVQ 2.5/1.5	23 A	50	**1720700000**	ZVQ 2.5/1.5	23 A	50	**1720700000**
End plate								
dark beige	AEP MC 2.5		25	**2433820000**				
End bracket								
dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**	ZEW 35/2		20	**8630740000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 0,6x3,5x100		1	**9042110000**	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

		A2C 1.5 PE	1.5 mm²	A3C 1.5 PE	1.5 mm²
					
Width/Height/Depth	mm	3.5 x 55 x 33.5		3.5 x 61.5 x 33.5	
max. current / max. cond. cross-section	-/mm²	/ 1.5		/ 1.5	
Max. clamping range	mm²	0.14...1.5		0.14...1.5	

Technical data

		A2C 1.5 PE				A3C 1.5 PE			
Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	1.5	AWG 26...14		1.5 mm²	1.5	AWG 26...14		1.5 mm²
Rated voltage to adjoining terminal	V	500				500			
Rated impulse withstand voltage to adjacent terminal	kV	6				6			
Rated short-time current		180 A (1.5 mm²)				180 A (1.5 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A1 / V-0				A1 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1				0.5...1.5 / 0.5...1			
Stripping length / Blade size	mm/-	8 / 0.4 x 2.0 mm				8 / 0.4 x 2.0 mm			
Note		Approval in progress				Approval in progress			

Ordering data

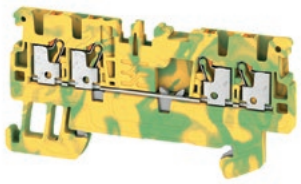
		A2C 1.5 PE			A3C 1.5 PE		
Version		**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
	green/yellow	A2C 1.5 PE	50	**1552680000**	A3C 1.5 PE	50	**1552670000**
Note							

Accessories

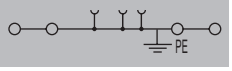
		A2C 1.5 PE				A3C 1.5 PE			
End plate		**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
	dark beige	AEP 2C 1.5		50	**1552600000**	AEP 3C 1.5		50	**1552620000**
End bracket									
	dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter									
	1-pole	ATPG 1.5-10 L		50	**1991890000**	ATPG 1.5-10 L		50	**1991890000**
	stackable	ATPG 1.5 MI-R		50	**1991880000**	ATPG 1.5 MI-R		50	**1991880000**
	3-pole								
	5-pole								
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDS 0.4X2.0X60		1	**9037160000**	SDS 0.4X2.0X60		1	**9037160000**
Identification systems									
		WS 10/3.5 PLUS MC NE WS		960	**2003760000**	WS 10/3.5 PLUS MC NE WS		960	**2003760000**
		DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/3.5 MM WS		1000	**2007100000**
		WS 8/3.5 MM WS		1000	**2007140000**	WS 8/3.5 MM WS		1000	**2007140000**
		DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

A4C 1.5 PE — 1.5 mm²



3.5 x 67.5 x 33.5
/ 1.5
0.14...1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		1.5 mm²
500			
6			
180 A (1.5 mm²)			
3			
A1 / V-0			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
A4C 1.5 PE	50	1552660000

Type	current	Qty.	Order No.
AEP 4C 1.5		50	1552640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

A2C 2.5 PE — 2.5 mm²

5.1 x 55 x 36.5
/ 2.5
0.14...2.5

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

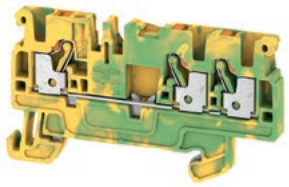
Approval in progress

Type	Qty.	Order No.
A2C 2.5 PE	50	1521680000

Type	current	Qty.	Order No.
AEP 2C 2.5		50	1514400000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

A3C 2.5 PE — 2.5 mm²



5.1 x 66.5 x 36.5
/ 2.5
0.14...2.5

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

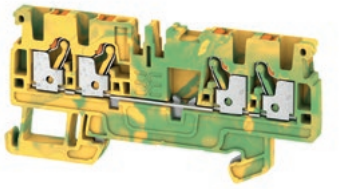
Approval in progress

Type	Qty.	Order No.
A3C 2.5 PE	50	1521670000

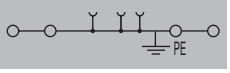
Type	current	Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

A4C 2.5 PE — 2.5 mm²



Width/Height/Depth	mm	5.1 x 77.5 x 36.5
max. current / max. cond. cross-section	-/mm²	/ 2.5
Max. clamping range	mm²	0.14...2.5



Technical data

IEC 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12	2.5 mm²
Rated voltage to adjoining terminal V	800			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	Approval in progress			

Ordering data

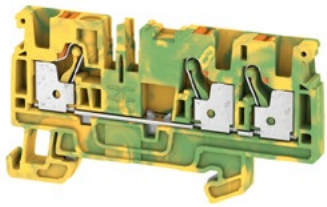
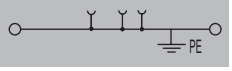
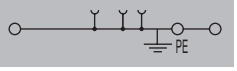
Version	Type	Qty.	Order No.
green/yellow	A4C 2.5 PE	50	1521540000
Note			

Accessories

End plate	Type	current	Qty.	Order No.
dark beige	AEP 4C 2.5		50	1521530000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 2.5 MI-R		50	1991960000
3-pole	ATPG 2.5/3		25	2041190000
5-pole	ATPG 2.5/5		25	2041180000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	9042110000
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

		A2C 4 PE	4 mm²	A3C 4 PE	4 mm²
					
Width/Height/Depth	mm	6.1 x 60 x 39.5		6.1 x 74 x 39.5	
max. current / max. cond. cross-section	-/mm²	/ 4		/ 4	
Max. clamping range	mm²	0.5...4		0.5...4	

Technical data

Rated data		IEC 60947-7-2				IEC 60947-7-2			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	4	AWG 28...10	AWG 26...10	4 mm²	4	AWG 28...10	AWG 26...10	4 mm²
Rated voltage to adjoining terminal	V	800				800			
Rated impulse withstand voltage to adjacent terminal	kV	8				8			
Rated short-time current		480 A (4 mm²)				480 A (4 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0				A4 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm				12 / 0.6 x 3.5 mm			
Note		Approval in progress				Approval in progress			

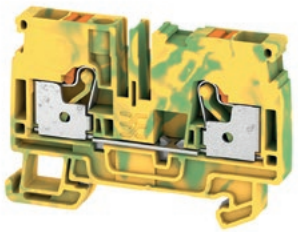
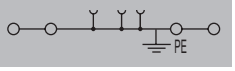
Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	green/yellow	A2C 4 PE	50	2051360000	A3C 4 PE	50	2051410000
Note							

Accessories

		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
End plate		AEP 2C 4		50	2051680000	AEP 3C 4		20	2051720000
	dark beige								
End bracket		AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
	dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
	dark beige								
Test adapter		ATPG 1.5-10 L		50	1991890000	ATPG 1.5-10 L		50	1991890000
	1-pole	ATPG 4 MI-R		50	1991860000	ATPG 4 MI-R		50	1991860000
	stackable								
Test plug		PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver		SDIL 0,6x3,5x100		1	9042110000	SDIL 0,6x3,5x100		1	9042110000
	Standard								
Identification systems		WS 10/6 M PLUS MC NE WS		600	2003780000	WS 10/6 M PLUS MC NE WS		600	2003780000
		DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
		WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000
		DEK 5/6 PLUS MC NE WS		1000	1011320000	DEK 5/6 PLUS MC NE WS		1000	1011320000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

	A4C 4 PE	A2C 6 PE
	4 mm²	6 mm²
		
Width/Height/Depth mm	6.1 x 87.5 x 39.5	8.1 x 66.5 x 45.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 6
Max. clamping range mm²	0.5...4	0.5...6
		

Technical data

Rated data	A4C 4 PE	A2C 6 PE
	IEC 60947-7-2	IEC 60947-7-2
for wire cross-section mm²	4	6
Rated voltage to adjoining terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	8	8
Rated short-time current	480 A (4 mm²)	720 A (6 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	12 / 1.0 x 5.5 mm

Note		
	Approval in progress	Approval in progress

	IEC	UL	CSA	EN 60079-7
A4C 4 PE	4	AWG 28...10	AWG 26...10	4 mm²
A2C 6 PE	6	AWG 22...8	AWG 22...8	6 mm²

Ordering data

Version	A4C 4 PE	A2C 6 PE
	green/yellow	
Note		

	Type	Qty.	Order No.
A4C 4 PE	A4C 4 PE	50	2051560000
A2C 6 PE	A2C 6 PE	50	1991810000

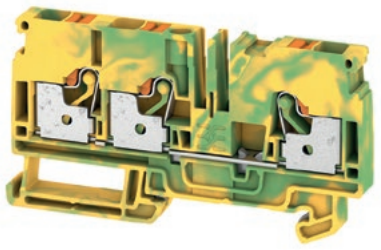
Accessories

	Type	current	Qty.	Order No.
End plate				
dark beige	AEP 4C 4		20	2051900000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 4 MI-R		50	1991860000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	9042110000
Identification systems				
	WS 10/6 M PLUS MC NE WS		600	2003780000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000
	DEK 5/6 PLUS MC NE WS		1000	1011320000

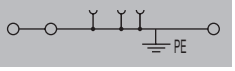
	Type	current	Qty.	Order No.
End plate				
dark beige	AEP 2C 6		50	1991970000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 6 MI-R		50	1991930000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	9042130000
Identification systems				
	DEK-A 5/8 MM WS		500	2448860000
	DEK 5/8 PLUS MC NE WS		800	1046350000
	WS-A 8/8 MM WS		500	2448930000
	WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

A3C 6 PE — 6 mm²



8.1 x 84.5 x 45.5
/ 6
0.5...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

CE cULus EAC

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 6 PE	50	1991850000

Type	current	Qty.	Order No.
AEP 3C 6		50	1991940000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 6 MI-R		50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS-A 8/8 MM WS		500	2448930000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

A2C 10 PE — 10 mm²

10 x 80.5 x 51.5
/ 10
0.5...10

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10			
3			
A6 / V-0			

EAC

Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A2C 10 PE	25	2490440000

Type	current	Qty.	Order No.
AEP 2C 10/16		20	2490380000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

A3C 10 PE — 10 mm²

10 x 102 x 51.5
/ 10
0.5...10

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10			
3			
A6 / V-0			

EAC

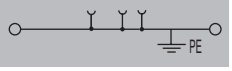
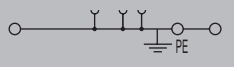
Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 10 PE	25	2490590000

Type	current	Qty.	Order No.
AEP 3C 10/16		20	2490530000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

	A2C 16 PE	A3C 16 PE
	16 mm²	16 mm²
Width/Height/Depth mm	12 x 80.5 x 51.5	12 x 102 x 51.5
max. current / max. cond. cross-section -/mm²	/ 16	/ 16
Max. clamping range mm²	0.75...16 	0.75...16 

Technical data

	A2C 16 PE	A3C 16 PE
Rated data		
for wire cross-section mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal -	IEC: 16	IEC: 16
Rated impulse withstand voltage to adjacent terminal -		
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating	3	3
Approvals	A6 / V-0	A6 / V-0
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	**Rated connection**	**Rated connection**
Flexible / Flexible with ferrule mm²	0.75...10 / 0.75...16	0.75...10 / 0.75...16
Stripping length / Blade size mm/-	0.75...16 / 1.5...16	0.75...16 / 1.5...16
	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
green/yellow	A2C 16 PE	20	2494010000
Note			

Type	Qty.	Order No.
A3C 16 PE	20	2494020000

Accessories

End plate	Type	current	Qty.	Order No.
dark beige	AEP 2C 10/16		20	2490380000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000
Test adapter				
1-pole				
stackable				
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard				
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000

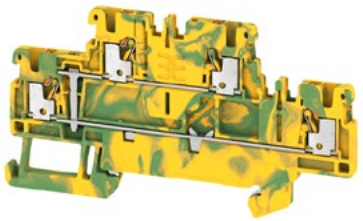
Type	current	Qty.	Order No.
AEP 3C 10/16		20	2490530000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

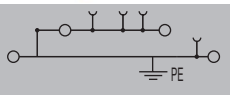
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A2T 1.5 PE — 1.5 mm²



3.5 x 84 x 45
/ 1.5
0.14...1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		
180 A (1.5 mm²)			
3			
A1 / V-0			

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1.5
8 / 0.4 x 2.0 mm

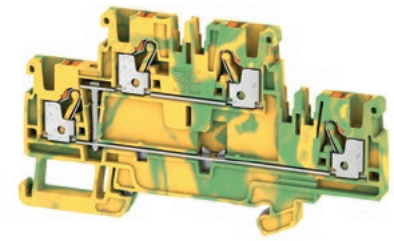
Approval in progress

Type	Qty.	Order No.
A2T 1.5 PE	50	**2469410000**

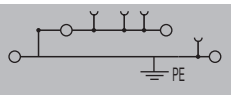
Type	current	Qty.	Order No.
AEP 2T 1.5		20	**2469420000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
SNAPMARK I		50	**1805880000**

All MultiMark variants (MM) = strip markers

A2T 2.5 PE — 2.5 mm²



5.1 x 90 x 50.5
/ 2.5
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

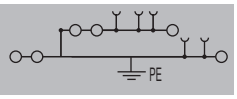
Type	Qty.	Order No.
A2T 2.5 PE	50	**1547680000**

Type	current	Qty.	Order No.
AEP 2T 2.5		20	**1547690000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

A2T 2.5 3C PE — 2.5 mm²

5.1 x 114.2 x 64
/ 2.5
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

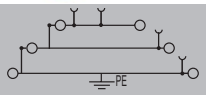
Type	Qty.	Order No.
A2T 2.5 3C PE	50	**2531320000**

Type	current	Qty.	Order No.
AEP 2T 2.5 3C		20	**2532690000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

A3T 2.5 PE — 2.5 mm²

Width/Height/Depth	5.1 x 116 x 64.5
max. current / max. cond. cross-section	**/ 2.5**
Max. clamping range	**0.14...2.5**



Technical data

DIN EN 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	2.5	AWG 28...12		
Rated voltage to adjoining terminal -				
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm

Note	
	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
green/yellow	A3T 2.5 PE	50	**2428550000**

Note	

Accessories

	Type	current	Qty.	Order No.
End plate				
dark beige	AEP 3T 2.5		20	**2428560000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
stackable	ATPG 2.5 MI-R		50	**1991960000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers

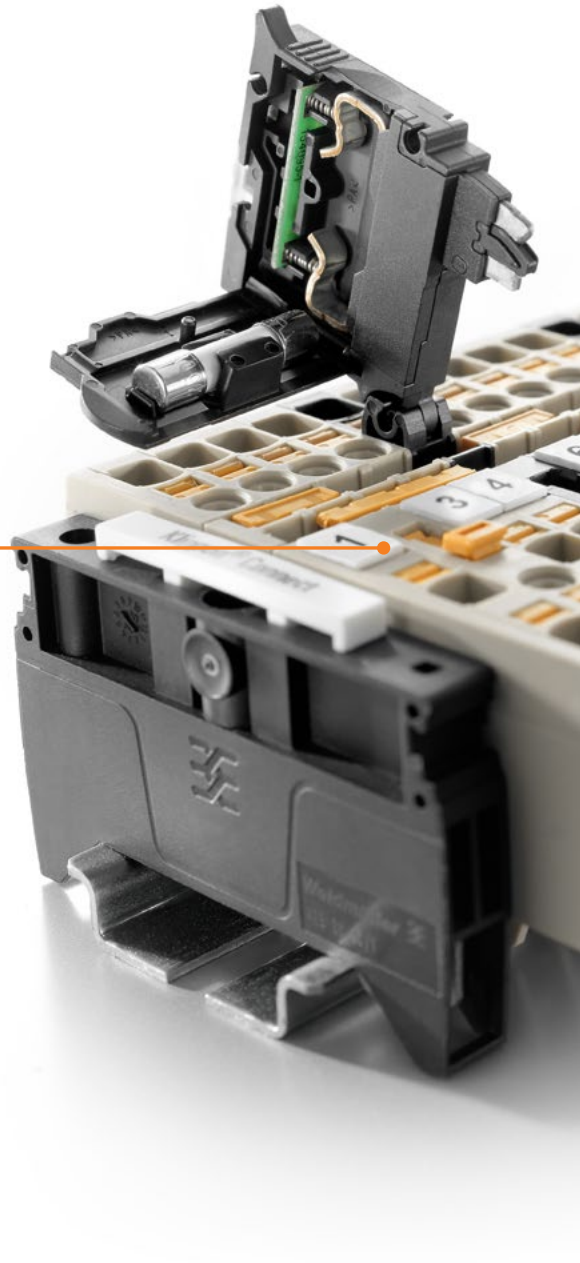
Safety, protection and reliable disconnection of electrical circuits

Klippon® Connect combines protective functions and quick assembly

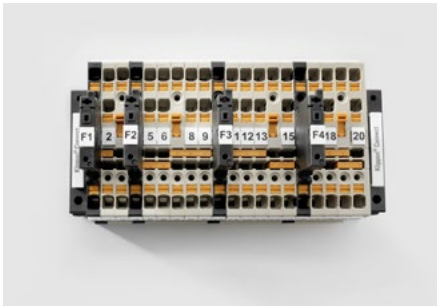
Current protection, disconnection, and voltage distribution are critical functions inside a panel. In order to provide staff and machinery with optimal protection, customisable connection solutions have to combine these aspects within a single system.

The new Klippon® Connect disconnect and fuse terminal blocks with PUSH IN technology offer passive current protection in combination with both disconnection and voltage distribution.

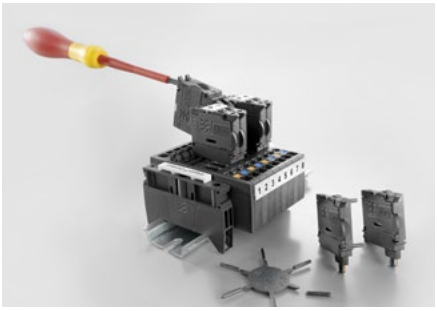
The terminal blocks from our universal range guarantee a high level of flexibility. Their compact dimensions enable a flexible installation even under confined space conditions.



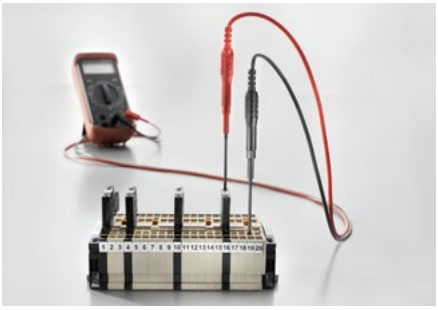
Functional clarity
In terms of their design, the terminal blocks are clearly distinguishable according to functionality and thus ensure safe and efficient maintenance work.



Attached fuse holder
Each fuse holder is attached to a terminal block with a hinge. This means that it will not go missing when the circuit is disconnected or when a fuse is replaced.

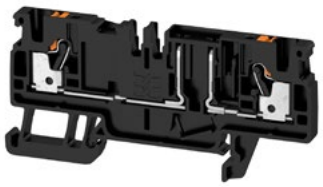


Integrated test point
The integrated test point simplifies troubleshooting and maintenance: Any required measurements can be performed with a standard 2.0 mm testing plug.



Safe power supply to panel equipment
For an efficient control voltage distribution, Weidmüller offers potential distribution terminal blocks with and witout fuse.

AFS 2.5 CF 2C — 2.5 mm²



Width/Height/Depth	mm	5.1 x 77.5 x 37.65
max. current / max. cond. cross-section	A/mm²	**10 / 2.5**
Max. clamping range	mm²	**2.5...2.5**

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	

In accordance with IEC 60947-7-3

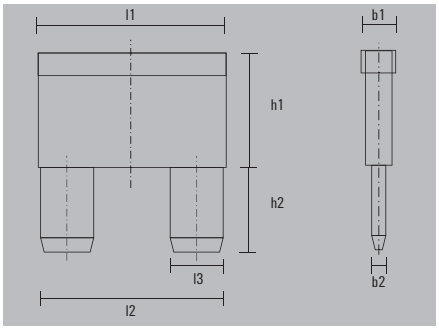
IEC	UL	CSA	EN 60079-7
500			
10			
2.5			
		/ 3	
		A3 /	

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

The electrical data are determined by the fuse and fault indication.

Dimensions for blade-type fuse inserts according to DIN 72581-3:2001-03



b1 max.	b2 ± 0.4	h1 max.	h2 ± 0.2	l1 max.	l2 ± 0.3	l3 ± 0.2
4	0.82	9	7.5	12	10.9	2.8

dimensions in mm

Ordering data

Version	Type	Qty.	Order No.
400 V DC	AFS 2.5 CF 2C BK	50	**2466530000**
12 V DC	AFS 2.5 CF 2C 12V BK	50	**2466610000**
24 V DC	AFS 2.5 CF 2C 24V BK	50	**2466600000**

Note

Blade-fuse inserts: from 42 V observe protection against contact.

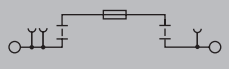
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
End plate				
Black	AEP 4C 2.5 BK		50	**2486660000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Terminal blocks identical in contour				
	A3C 2.5		100	**1521740000**
	A3C 2.5 PE		50	**1521670000**
	ADT 2.5 2C		50	**1989800000**
	A2C 2.5 /DT/FS		100	**1989900000**
	A2C 2.5 PE /DT/FS		50	**1989890000**
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	WS 10/5 M PLUS MC NE WS		600	**2003770000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

AFS 4 2C — 4 mm²

Width/Height/Depth	mm	6.1 x 74 x 68
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
Max. clamping range	mm²	**0.5...4**



Technical data

DIN EN 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500	150 (C)		
Rated current A	6.3	10		
for wire cross-section mm²	4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity		/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0		
Approvals	cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...4 / 0.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4			
Stripping length / Blade size	12 / 0.6 x 3.5 mm			

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	41 °C*	4,0 W / 6,3 A*	31 °C	1,6 W / 6,3 A
In combination	32 °C*	2,5 W / 6,3 A	34 °C	1,6 W / 6,3 A

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	AFS 4 2C BK	50	**2429860000**
500 V AC/DC, without LED	AFS 4 2C BK/BL	50	**2548140000**
10-36 V AC/DC, with LED	AFS 4 2C 10-36V BK	50	**2429870000**
30-70 V AC/DC, with LED	AFS 4 2C 30-70V BK	50	**2434350000**
60-150 V AC/DC, with LED	AFS 4 2C 60-150V BK	50	**2434380000**
100-250 V AC/DC, with LED	AFS 4 2C 100-250V BK	50	**2434390000**

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate				
Black	AEP 3C 4 BK		20	**2486640000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Terminal blocks identical in contour				
	A3C 4		50	**2051240000**
	A3C 4 PE		50	**2051410000**
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems				
	DEK 5/6 PLUS MC NE WS		1000	**1011320000**
	WS 10/6 M PLUS MC NE WS		600	**2003780000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**

For detailed information on other accessories and application in the online catalogue

Fuse cartridges and gauge rings for Weidmüller fuse terminal blocks

Fuse cartridges

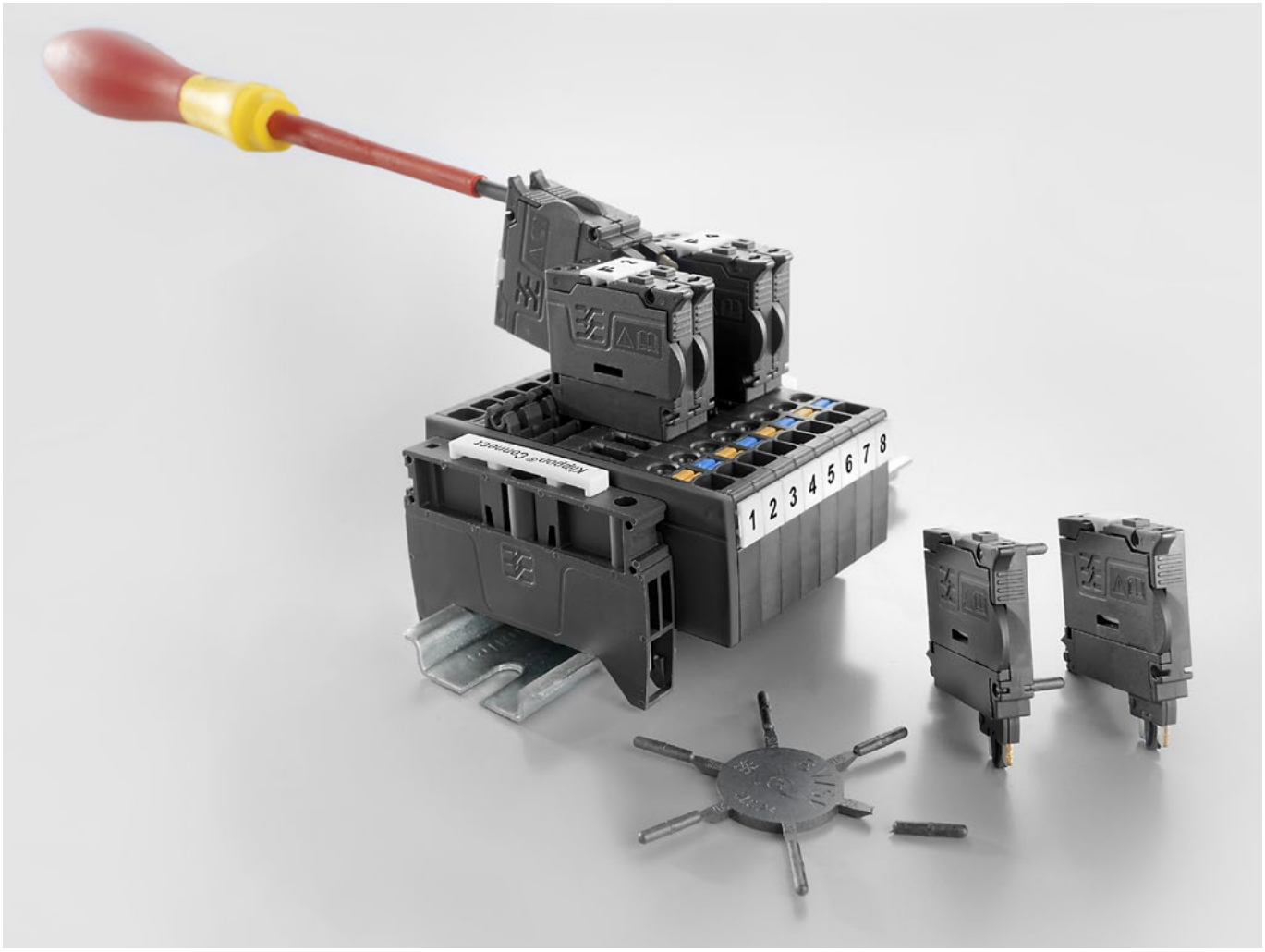
for terminal type:
PSI 6/10
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB

Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

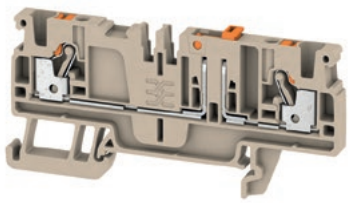
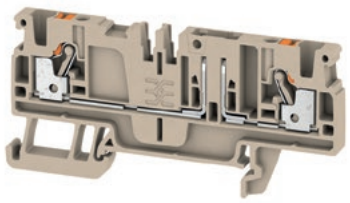
Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	**0430300000**
		0.2	quick-acting	G 20/0.20A/F	10	**0430400000**
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	**0430500000**
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	**0430600000**
		0.63	quick-acting	G 20/0.63A/F	10	**0439000000**
		1	quick-acting	G 20/1.00A/F	10	**0430700000**
		1.6	quick-acting	G 20/1.60A/F	10	**0430800000**
		2	quick-acting	G 20/2.00A/F	10	**0430900000**
		2.5	quick-acting	G 20/2.50A/F	10	**0431000000**
		3.15	quick-acting	G 20/3.15A/F	10	**0431100000**
		4	quick-acting	G 20/4.00A/F	10	**0431200000**
		5	quick-acting	G 20/5.00A/F	10	**0431300000**
		6.3	quick-acting	G 20/6.30A/F	10	**0431400000**

(M) = medium time-lag; (F) = quick-acting



VDS180 SV7.62

Type	Qty.	Order No.
VDS180 SV7.62	50	1853940000

	ADT 2.5 2C	2.5 mm²	ADT 2.5 2C W/O DTLV	2.5 mm²
				
Width/Height/Depth mm	5.1 x 77.5 x 37.65		5.1 x 77.5 x 36.5	
max. current / max. cond. cross-section A/mm²	**20 / 2.5**		**20 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data					IEC 60947-7-1				IEC 60947-7-1			
			IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V		500	300	300		500	300	300	
Rated current	A		20	20	20		20	20	20	
for wire cross-section	mm²		2.5	AWG 28...12	AWG 28...12		2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity				6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0				A3 / V-0		
Number of operating cycles										
Approvals										
Clamped conductors (H05V/H07V)			**Rated connection**				**Rated connection**			
Solid / Stranded	mm²		0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²		0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-		10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note			Approval in progress				Approval in progress			

Ordering data

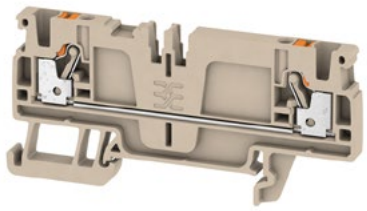
Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	ADT 2.5 2C	50	**1989800000**			
	blue	ADT 2.5 2C BL	50	**1989810000**			
	without isolator				ADT 2.5 2C W/O DTLV	50	**1989930000**
Note							

Accessories

Pluggable cross-connection		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**	ZQV 2.5N/10	24 A	20	**1527690000**
	2-pole								
	10-pole								
End plate									
	dark beige	AEP 4C 2.5		50	**1521530000**	AEP 4C 2.5		50	**1521530000**
	Blue	AEP 4C 2.5 BL		50	**1521640000**	AEP 4C 2.5 BL		50	**1521640000**
End bracket									
	dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter									
	1-pole	ATPG 1.5-10 L		50	**1991890000**	ATPG 1.5-10 L		50	**1991890000**
	stackable	ATPG 2.5 MI-R		50	**1991960000**	ATPG 2.5 MI-R		50	**1991960000**
	3-pole	ATPG 2.5/3		25	**2041190000**	ATPG 2.5/3		25	**2041190000**
	5-pole	ATPG 2.5/5		25	**2041180000**	ATPG 2.5/5		25	**2041180000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6x3,5x100		1	**9042110000**	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

A2C 2.5 /DT/FS — 2.5 mm²



5.1 x 77.5 x 36.5
24 / 2.5
0.14...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

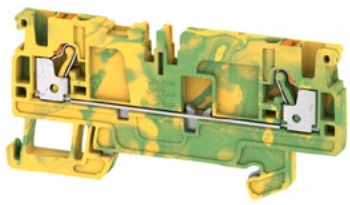
Approval in progress

Type	Qty.	Order No.
A2C 2.5 /DT/FS	100	1989900000
A2C 2.5 /DT/FS BL	100	1989910000

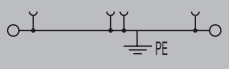
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

A2C 2.5 PE /DT/FS — 2.5 mm²



5.1 x 77.5 x 36.5
/ 2.5
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	
	/ 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

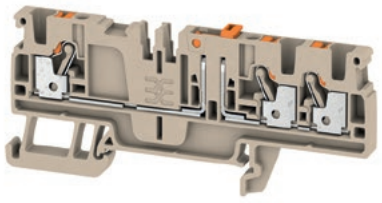
Approval in progress

Type	Qty.	Order No.
A2C 2.5 PE /DT/FS	50	1989890000

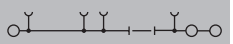
Type	current	Qty.	Order No.
AEP 4C 2.5		50	1521530000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

ADT 2.5 3C — 2.5 mm²



5.1 x 84.5 x 37.65
20 / 2.5
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
	6 kV / 3		
	A3 / V-0		

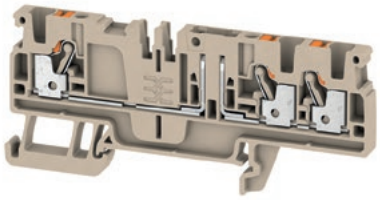
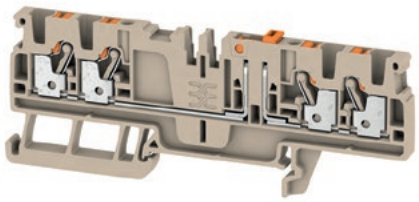
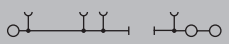
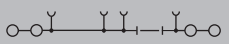
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 2.5 3C	50	1989830000
ADT 2.5 3C BL	50	1989840000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 3C		50	1989970000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

	ADT 2.5 3C W/O DTLV	2.5 mm²	ADT 2.5 4C	2.5 mm²
				
Width/Height/Depth mm	5.1 x 84.5 x 36.5		5.1 x 96 x 37.65	
max. current / max. cond. cross-section A/mm²	**20 / 2.5**		**20 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data		IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	300	300		500	300	300	
Rated current	A	20	20	20		20	20	20	
for wire cross-section	mm²	2.5	AWG 28...12	AWG 28...12		2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A3 / V-0		
Number of operating cycles									
Approvals		CE, cULus, EAC				CE, cULus, EAC			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note		Approval in progress				Approval in progress			

Ordering data

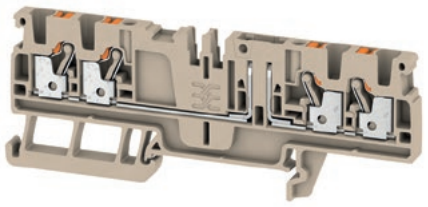
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				ADT 2.5 4C	50	1989860000
blue				ADT 2.5 4C BL	50	1989870000
without isolator	ADT 2.5 3C W/O DTLV	50	1989940000			
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000	ZQV 2.5N/10	24 A	20	1527690000
2-pole								
10-pole								
End plate								
dark beige	AEP DT 2.5 3C		50	1989970000	AEP DT 2.5 4C		50	1989980000
Blue								
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
1-pole	ATPG 1.5-10 L		50	1991890000	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 2.5 MI-R		50	1991960000	ATPG 2.5 MI-R		50	1991960000
3-pole	ATPG 2.5/3		25	2041190000	ATPG 2.5/3		25	2041190000
5-pole	ATPG 2.5/5		25	2041180000	ATPG 2.5/5		25	2041180000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 0,6x3,5x100		1	9042110000	SDIL 0,6x3,5x100		1	9042110000
Identification systems								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000	WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

ADT 2.5 4C W/O DTLV — 2.5 mm²



5.1 x 96 x 36.5
20 / 2.5
0.14...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

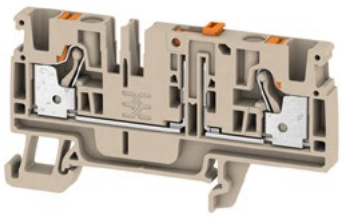
Approval in progress

Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	**1989950000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
AEP DT 2.5 4C		50	**1989980000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 2.5 MI-R		50	**1991960000**
ATPG 2.5/3		25	**2041190000**
ATPG 2.5/5		25	**2041180000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

ADT 4 2C — 4 mm²



6.1 x 74 x 41
20 / 4
0.5...4

IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	600		
24	20		
4	AWG 26...10		
	4 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 4 2C	50	**2429850000**
ADT 4 2C BL	50	**2429880000**

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
AEP 4C 4		20	**2051900000**
AEP 4C 4 BL		20	**2051910000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 4 MI-R		50	**1991860000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**

All MultiMark variants (MM) = strip markers

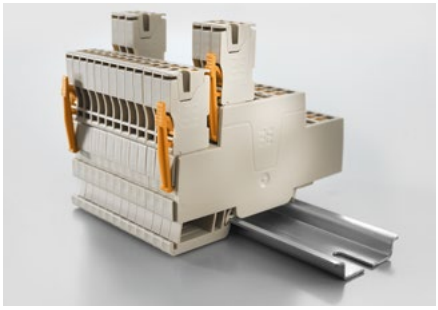
Fast, flexible and efficient connection of functional units

Klippon® Connect modular pluggable terminal blocks

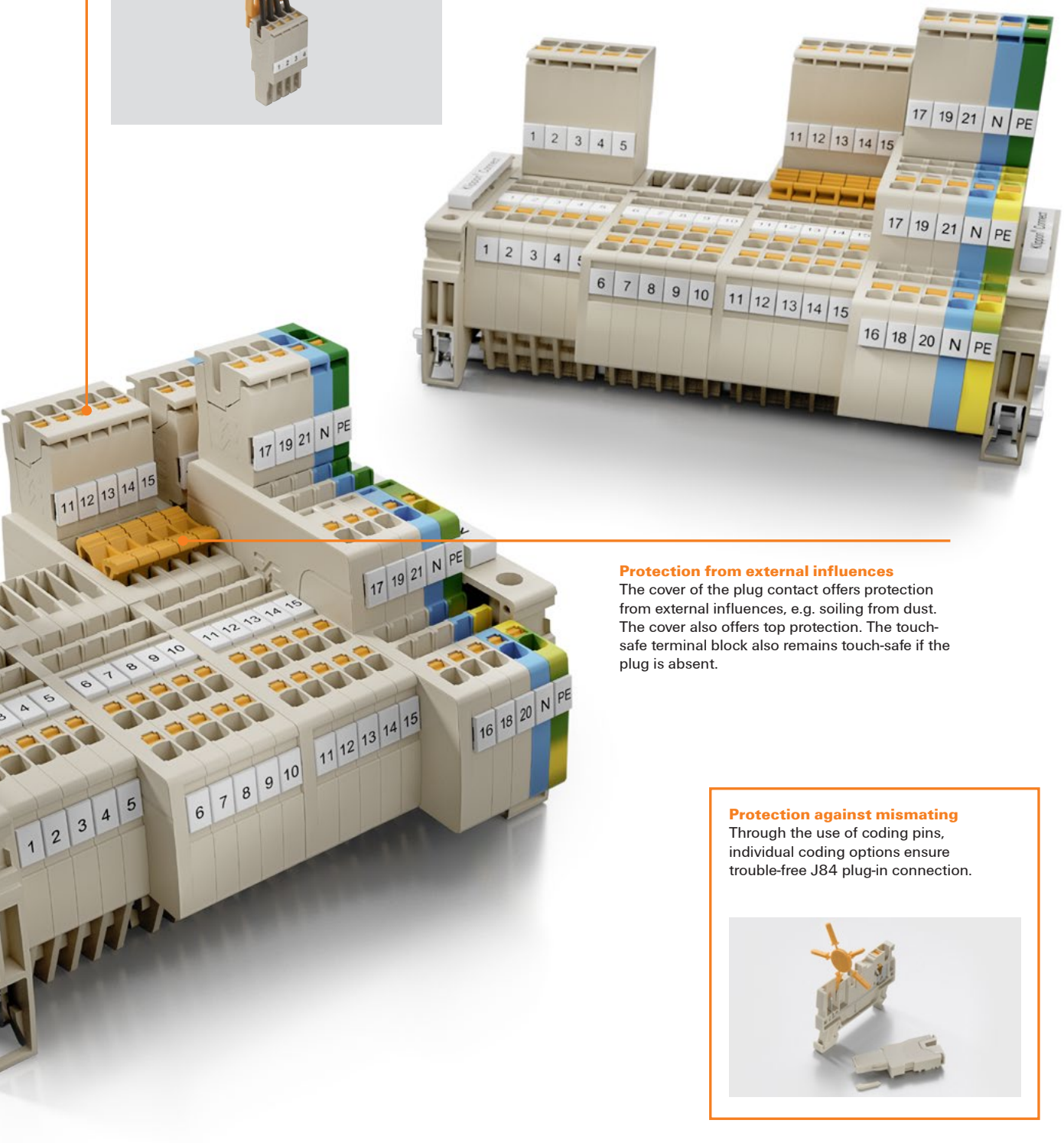
Modular and flexible connection techniques are in demand especially where entire functional units have to be prefabricated or replaced. Pluggable terminal blocks accelerate the assembly and simplify the exchange of functional units and the disassembly of parts for transport.

Klippon® Connect pluggable terminal blocks with PUSH IN connection technology combine the advantages of our unique connection technology with the flexibility of our connectors. They enable the quick and easy exchange of functional units in the control cabinet. The system works reliably even under the harshest conditions, and it is therefore also suitable for railway and ship applications.

Vibration resistance
All plugs can be connected safely and simply with the base terminal via the locking element. This protects your wiring from inadvertent disconnection of the connector.

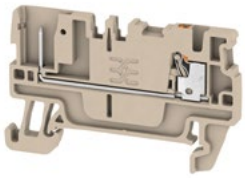
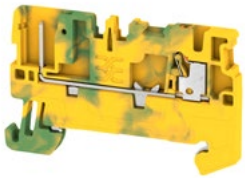


Protection against mechanical loading
The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.



Protection from external influences
The cover of the plug contact offers protection from external influences, e.g. soiling from dust. The cover also offers top protection. The touch-safe terminal block also remains touch-safe if the plug is absent.

Protection against mismating
Through the use of coding pins, individual coding options ensure trouble-free J84 plug-in connection.

	APGTB 1.5 FT 2C/1	1.5 mm²	APGTB 1.5 PE 2C/1	1.5 mm²
				
Width/Height/Depth mm	3.5 x 55 x 33.5		3.5 x 55 x 33.5	
max. current / max. cond. cross-section -/mm²	/ 1.5		/ 1.5	
Max. clamping range mm²	0.14...1.5		0.14...1.5	

Technical data

	APGTB 1.5 FT 2C/1	APGTB 1.5 PE 2C/1
Rated data	IEC 60947-7-1, IEC 61984	IEC 60947-7-2, IEC 61984
Rated voltage of feed-through terminal V	500	500
Rated current A	17.5	
for wire cross-section mm²	1.5	1.5
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0	A1 / V-0
Number of operating cycles		
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1	0.5...1.5 / 0.5...1
Stripping length / Blade size mm²/-	8 / 0.4 x 2.0 mm	8 / 0.4 x 2.0 mm
Note	Approval in progress	Approval in progress

Ordering data

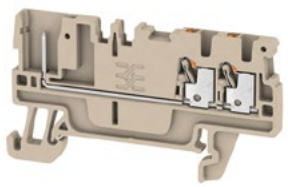
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	APGTB 1.5 FT 2C/1	50	2482160000			
blue	APGTB 1.5 FT 2C/1 BL	50	2482170000			
green/yellow				APGTB 1.5 PE 2C/1	50	2482220000
Note						

Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 1.5N/2	17.5 A	60	1985410000	ZQV 1.5N/2	17.5 A	60	1985410000
10-pole	ZQV 1.5N/10	17.5 A	20	1985580000	ZQV 1.5N/10	17.5 A	20	1985580000
End plate								
dark beige	AEP 2C 1.5		50	1552600000	AEP 2C 1.5		50	1552600000
Blue	AEP 2C 1.5 BL		50	1552610000				
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Plug								
	APG 1.5/1		50	2482340000	APG 1.5/1		50	2482340000
	APG 1.5/10		20	2482430000	APG 1.5/10		20	2482430000
	APG 1.5 MI		50	2482280000	APG 1.5 MI		50	2482280000
	APG 1.5 L		50	2482250000	APG 1.5 L		50	2482250000
	APG 1.5 R		50	2482310000	APG 1.5 R		50	2482310000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDS 0.4X2.0X60		1	9037160000	SDS 0.4X2.0X60		1	9037160000
Identification systems								
	WS 10/3.5 PLUS MC NE WS		960	2003760000	WS 10/3.5 PLUS MC NE WS		960	2003760000
	DEK 5/3.5 MM WS		1000	2007100000	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000	DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

APGTB 1.5 FT 3C/1 — 1.5 mm²



3.5 x 62 x 33.5
/ 1.5
0.14...1.5

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

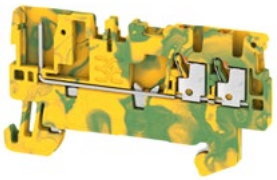
Approval in progress

Type	Qty.	Order No.
APGTB 1.5 FT 3C/1	50	2482180000
APGTB 1.5 FT 3C/1 BL	50	2482190000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEP 3C 1.5 BL		50	1552630000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 FT PE 3C/1 — 1.5 mm²



3.5 x 62 x 33.5
/ 1.5
0.14...1.5

IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

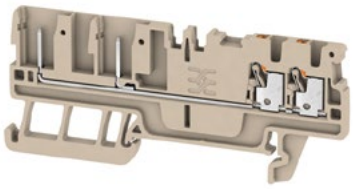
Approval in progress

Type	Qty.	Order No.
APGTB 1.5 PE 3C/1	50	2482230000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 FT 4C/2 — 1.5 mm²



3.5 x 80 x 33.5
/ 1.5
0.14...1.5

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

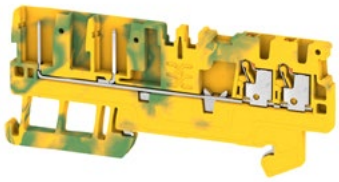
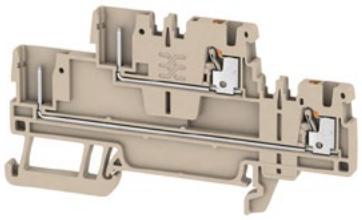
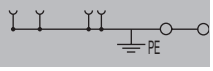
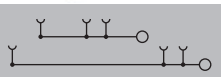
Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
APGTB 1.5 FT 4C/2	50	2482200000
APGTB 1.5 FT 4C/2 BL	50	2482210000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP PGTB 1.5 4C/2		50	2482510000
AEP PGTB 1.5 4C/2 BL		50	2482520000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

	APGTB 1.5 PE 4C/2	1.5 mm²	APGTB 1.5 2T 4C/2	1.5 mm²
				
Width/Height/Depth mm	3.5 x 80 x 33.5		3.5 x 84.5 x 45	
max. current / max. cond. cross-section -/mm²	/ 1.5		/ 1.5	
Max. clamping range mm²	0.14...1.5		0.14...1.5	

Technical data

	APGTB 1.5 PE 4C/2	APGTB 1.5 2T 4C/2
Rated data		
Rated voltage of feed-through terminal V	IEC 60947-7-2, IEC 61984	IEC 60947-7-1, IEC 61984
Rated current -	IEC: 500	IEC: 500
for wire cross-section mm²	UL:	UL: 17.5
Rated impulse withstand voltage / Pollution severity	CSA: 1.5	CSA: 1.5
Gauge to IEC 60947-1 / UL 94 flammability rating	EN 60079-7: 6 kV / 3	EN 60079-7: 6 kV / 3
Number of operating cycles		
Approvals	A1 / V-0	A1 / V-0
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	**Rated connection**	**Rated connection**
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Stripping length / Blade size mm²/-	0.5...1.5 / 0.5...1	0.5...1.5 / 0.5...1
	8 / 0.4 x 2.0 mm	8 / 0.4 x 2.0 mm
Note	Approval in progress	Approval in progress

Ordering data

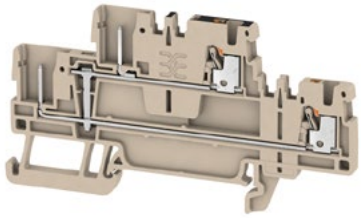
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige				APGTB 1.5 2T 4C/2	50	2485840000
blue				APGTB 1.5 2T 4C/2 BL	50	2485850000
green/yellow	APGTB 1.5 PE 4C/2	50	2482240000			
Note						

Accessories

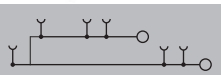
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 1.5N/2	17.5 A	60	1985410000	ZQV 1.5N/2	17.5 A	60	1985410000
10-pole	ZQV 1.5N/10	17.5 A	20	1985580000	ZQV 1.5N/10	17.5 A	20	1985580000
End plate								
dark beige	AEP PGTB 1.5 4C/2		50	2482510000	AEP 2T 1.5		20	2469420000
Blue					AEP 2T 1.5 BL		20	2471470000
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Plug								
	APG 1.5/1		50	2482340000	APG 1.5/1		50	2482340000
	APG 1.5/10		20	2482430000	APG 1.5/10		20	2482430000
	APG 1.5 MI		50	2482280000	APG 1.5 MI		50	2482280000
	APG 1.5 L		50	2482250000	APG 1.5 L		50	2482250000
	APG 1.5 R		50	2482310000	APG 1.5 R		50	2482310000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDS 0.4X2.0X60		1	9037160000	SDS 0.4X2.0X60		1	9037160000
Identification systems								
	WS 10/3.5 PLUS MC NE WS		960	2003760000	WS 10/3.5 PLUS MC NE WS		960	2003760000
	DEK 5/3.5 MM WS		1000	2007100000	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000	DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

APGTB 1.5 2T VL 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
/ 1.5
0.14...1.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

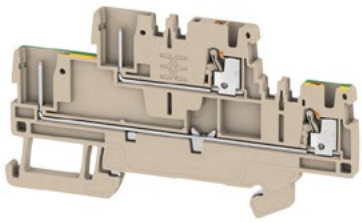
Approval in progress

Type	Qty.	Order No.
APGTB 1.5 2T VL 4C/2	50	2485920000
APGTB 1.5 2T VL 4C/2 BL	50	2485930000

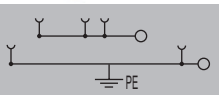
Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 2T FT PE 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
/ 1.5
0.14...1.5



IEC 60947-7-1, IEC 61984, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

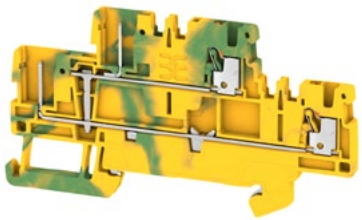
Approval in progress

Type	Qty.	Order No.
APGTB 1.5 2T FT-PE 4C/2	50	2485860000

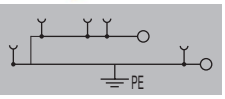
Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 2T PE 4C/2 — 1.5 mm²



3.5 x 84.5 x 45
/ 1.5
0.14...1.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
1.5			
	6 kV / 3		
	A1 / V-0		

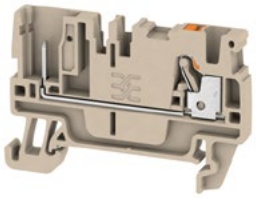
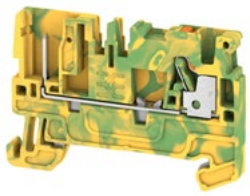
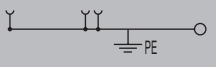
Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
APGTB 1.5 2T PE 4C/2	50	2485870000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

	APGTB 2.5 FT 2C/1	2.5 mm²	APGTB 2.5 PE 2C/1	2.5 mm²
				
Width/Height/Depth mm	5.1 x 55 x 36.5		5.1 x 54 x 36.5	
max. current / max. cond. cross-section A/mm²	24 / 2.5		/ 2.5	
Max. clamping range mm²	0.14...2.5		0.14...2.5	

Technical data

	APGTB 2.5 FT 2C/1				APGTB 2.5 PE 2C/1			
Rated data								
	IEC 60947-7-1, IEC 61984				IEC 60947-7-2, IEC 61984			
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	800	600	600		800	600	600	
Rated current A	24	20	20					
for wire cross-section mm²	2.5	AWG 28...12	AWG 28...12		2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3				/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0				A3 / V-0		
Number of operating cycles								
Approvals								
Clamped conductors (H05V/H07V)								
	Rated connection				**Rated connection**			
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5				0.5...2.5 / 0.5...2.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note	Approval in progress				Approval in progress			

Ordering data

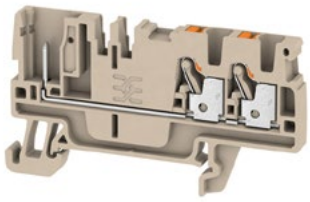
Version	APGTB 2.5 FT 2C/1 Type	Qty.	Order No.	APGTB 2.5 PE 2C/1 Type	Qty.	Order No.
dark beige	APGTB 2.5 FT 2C/1	100	1513970000			
blue	APGTB 2.5 FT 2C/1 BL	100	1513990000			
green/yellow				APGTB 2.5 PE 2C/1	50	1513870000
Note						

Accessories

	APGTB 2.5 FT 2C/1 Type	current	Qty.	Order No.	APGTB 2.5 PE 2C/1 Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 2.5N/2	24 A	60	1527540000				
10-pole	ZQV 2.5N/10	24 A	20	1527690000				
End plate								
dark beige	AEP 2C 2.5		50	1514400000	AEP 2C 2.5		50	1514400000
Blue	AEP 2C 2.5 BL		50	1514420000				
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Plug								
	APG 2.5/1		50	1513720000	APG 2.5/1		50	1513720000
	APG 2.5/10		20	1513770000	APG 2.5/10		20	1513770000
	APG 2.5 MI		50	1513880000	APG 2.5 MI		50	1513880000
	APG 2.5 L		50	1513830000	APG 2.5 L		50	1513830000
	APG 2.5 R		50	1513940000	APG 2.5 R		50	1513940000
Test plug								
	PS 2.0 MC		20	0310000000	PS 2.0 MC		20	0310000000
Screwdriver								
Standard	SDIL 0,6x3,5x100		1	9042110000	SDIL 0,6x3,5x100		1	9042110000
Identification systems								
	DEK 5/5 PLUS MC NE WS		1000	1854490000	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
	WS 10/5 M PLUS MC NE WS		600	2003770000	WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

APGTB 2.5 FT 3C/1 — 2.5 mm²



5.1 x 66.5 x 36.5
24 / 2.5
0.14...2.5

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

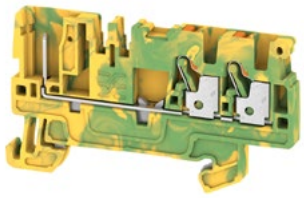
Approval in progress

Type	Qty.	Order No.
APGTB 2.5 FT 3C/1	50	1514000000
APGTB 2.5 FT 3C/1 BL	50	1514020000

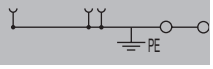
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

APGTB 2.5 PE 3C/1 — 2.5 mm²



5.1 x 66.5 x 36.5
/ 2.5
0.14...2.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

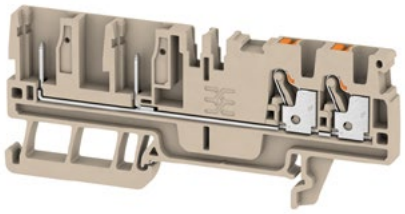
Approval in progress

Type	Qty.	Order No.
APGTB 2.5 PE 3C/1	50	1513890000

Type	current	Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

APGTB 2.5 FT 4C/2 — 2.5 mm²



5.1 x 87 x 36.5
24 / 2.5
0.14...2.5

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

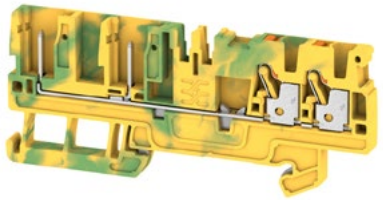
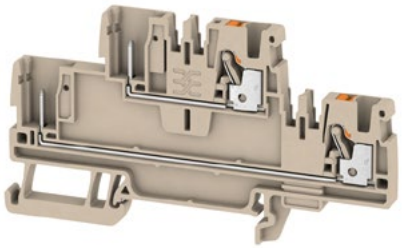
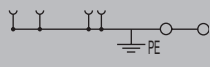
Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
APGTB 2.5 FT 4C/2	50	1514030000
APGTB 2.5 FT 4C/2 BL	50	1514040000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP PGTB 2.5 4C/2		50	1514450000
AEP PGTB 2.5 4C/2 BL		50	1514470000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

	APGTB 2.5 PE 4C/2	2.5 mm²	APGTB 2.5 2T 4C/2	2.5 mm²
				
Width/Height/Depth mm	5.1 x 87 x 36.5		5.1 x 91 x 50.5	
max. current / max. cond. cross-section -/mm²	/ 2.5		24 / 2.5	
Max. clamping range mm²	0.14...2.5		0.14...2.5	

Technical data

	APGTB 2.5 PE 4C/2	APGTB 2.5 2T 4C/2
Rated data		
Rated voltage of feed-through terminal V	IEC 60947-7-2, IEC 61984	IEC 60947-7-1, IEC 61984
Rated current -		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Number of operating cycles		
Approvals		

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

	APGTB 2.5 PE 4C/2	APGTB 2.5 2T 4C/2
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
dark beige			
blue			
green/yellow	APGTB 2.5 PE 4C/2	50	1513920000

Type	Qty.	Order No.
APGTB 2.5 2T 4C/2	50	1548060000
APGTB 2.5 2T 4C/2 BL	50	1548070000

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
End plate				
dark beige	AEP PGTB 2.5 4C/2		50	1514450000
Blue				
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Plug				
	APG 2.5/1		50	1513720000
	APG 2.5/10		20	1513770000
	APG 2.5 MI		50	1513880000
	APG 2.5 L		50	1513830000
	APG 2.5 R		50	1513940000
Test plug				
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	9042110000
Identification systems				
	DEK 5/5 PLUS MC NE WS		1000	1854490000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
	WS 10/5 M MC NE WS		720	1792000000

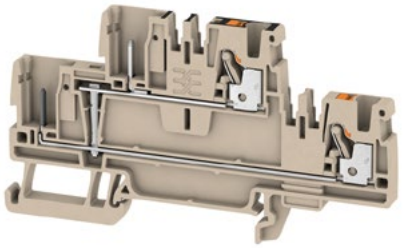
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

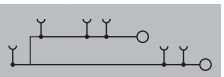
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

APGTB 2.5 2T VL 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
24 / 2.5
0.14...2.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

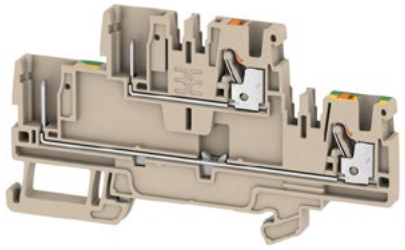
Approval in progress

Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	1548140000
APGTB 2.5 2T VL 4C/2 BL	50	1548150000

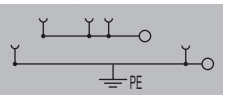
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

APGTB 2.5 2T FT-PE 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
24 / 2.5
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

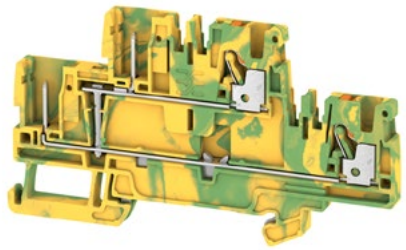
Approval in progress

Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	1548130000

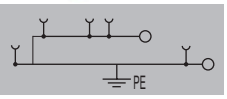
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

APGTB 2.5 2T PE 4C/2 — 2.5 mm²



5.1 x 91 x 50.5
/ 2.5
0.14...2.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
APGTB 2.5 2T PE 4C/2	50	1548160000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

	APG 1.5...	1.5 mm²	APG 2.5...	2.5 mm²
Width/Height/Depth mm	3.5 x 14 x 31.15		5.1 x 16.5 x 42.5	
max. current / max. cond. cross-section -/mm²	**/ 1.5**		**24 / 2.5**	
Max. clamping range mm²	**0.14...1.5**		**0.14...2.5**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7	IEC 61984 IEC	UL	CSA	EN 60079-7
Rated voltage V	500				500	600	600	
Max. voltage of clamp support & pluggable system -								
Rated current A	17.5				24	20	20	
for wire cross-section mm²	1.5				2.5	AWG 28...12	AWG 28...12	
Rated impulse withstand voltage / Pollution severity			6 kW / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A1 / V-0				A3 / V-0	
Approvals								

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection	Rated connection	Plug-in connection
Solid / Stranded -	0.5...1.5 / 0.5...1.5		0.5...2.5 / 0.5...2.5	
Flexible / Flexible with ferrule -	0.5...1.5 / 0.5...1.5		0.5...2.5 / 0.5...2.5	
Stripping length / Blade size mm/-	8 / 0.4 x 2.0 mm		10 / 0.6 x 3.5 mm	
Note	Approval in progress		Approval in progress	

Ordering data

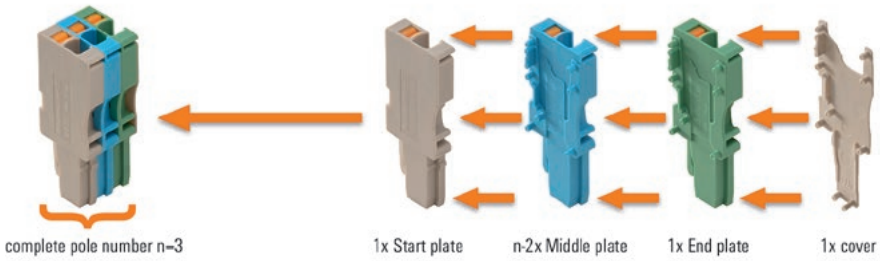
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
1-pin	APG 1.5/1	50	**2482340000**	APG 2.5/1	50	**1513720000**
2-pin	APG 1.5/2	25	**2482350000**	APG 2.5/2	25	**1513640000**
3-pin	APG 1.5/3	25	**2482360000**	APG 2.5/3	25	**1513650000**
4-pin	APG 1.5/4	25	**2482370000**	APG 2.5/4	25	**1513670000**
5-pin	APG 1.5/5	25	**2482380000**	APG 2.5/5	25	**1513680000**
6-pin	APG 1.5/6	25	**2482390000**	APG 2.5/6	25	**1513690000**
7-pin	APG 1.5/7	25	**2482400000**	APG 2.5/7	25	**1513700000**
8-pin	APG 1.5/8	20	**2482410000**	APG 2.5/8	20	**1513730000**
9-pin	APG 1.5/9	20	**2482420000**	APG 2.5/9	20	**1513740000**
10-pin	APG 1.5/10	20	**2482430000**	APG 2.5/10	20	**1513770000**
3-pole/BG-BL-GN	APG 1.5/3-BG-BL-GN	25	**2482460000**	APG 2.5/3-BG-BL-GN	25	**1513820000**
4-pole/3BG-Gn	APG 1.5/4-3BG-GN	25	**2482450000**	APG 2.5/4-3BG-GN	25	**1513790000**
5-pole/3BG-BL-GN	APG 1.5/5-3BG-BL-GN	25	**2482440000**	APG 2.5/5-3BG-BL-GN	25	**1513780000**
Note						

Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
End plate	MCV APG 1.5		50	**2485980000**	MCV APG 2.5		50	**2035590000**
dark beige								
Coding								
	APGCE		50	**1514490000**	APGCE		50	**1514490000**
Cover								
	APGPC 1.5		50	**2482530000**	APGPC 2.5		50	**1514500000**
Interlock								
	APGLE 1.5		25	**2482720000**	APGLE 2.5		25	**2457570000**
Strain relief								
	APGSR 1.5		25	**2482730000**	APGSR 2.5		25	**2457580000**
	APGSR 1.5/4		25	**2482740000**	APGSR 2.5/4		25	**2457590000**
	APGSR 1.5/8		25	**2482750000**	APGSR 2.5/8		25	**2457600000**
Identification systems								
	WS 10/3.5 PLUS MC NE WS		960	**2003760000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/3.5 MM WS		1000	**2007140000**	WS 8/5 MM WS		800	**2007150000**
	DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**	WS 10/5 M MC NE WS		720	**1792000000**
For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers				All MultiMark variants (MM) = strip markers			

Single plates for individual assembly

The individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).



Plug

- Single plates, plug APG 1.5 L
- Marking option

APG 1.5

Start plate

Ordering data Single plates	Type	Qty.	Order No.
Start plate	APG 1.5 L	50	**2482250000**
	APG 1.5 L BL	50	**2482260000**
	APG 1.5 L GN	50	**2482270000**
Middle plate	APG 1.5 MI	50	**2482280000**
	APG 1.5 MI BL	50	**2482290000**
	APG 1.5 MI GN	50	**2482300000**
End plate	APG 1.5 R	50	**2482310000**
	APG 1.5 R BL	50	**2482320000**
	APG 1.5 R GN	50	**2482330000**
Cover	MCV APG 1.5	50	**2485980000**
Note			

APG 2.5

Middle plate or end plate

Type	Qty.	Order No.
APG 2.5 L	50	**1513830000**
APG 2.5 L BL	50	**1513840000**
APG 2.5 L GN	50	**1513850000**
APG 2.5 MI	50	**1513880000**
APG 2.5 MI BL	50	**1513900000**
APG 2.5 MI GN	50	**1513930000**
APG 2.5 R	50	**1513940000**
APG 2.5 R BL	50	**1513950000**
APG 2.5 R GN	50	**1513980000**
MCV APG 2.5	50	**2035590000**

Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data	
	1.5 mm² / 2.5 mm²
Note	

APGCE

Coding elements

Type	Qty.	Order No.
APGCE	50	**1514490000**

Application

Locking elements

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

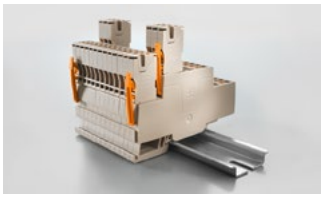
Ordering data	
	1.5 mm²
	2.5 mm²
Note	

APGLE

Locking element

Type	Qty.	Order No.
APGLE 1.5	25	**2482720000**
APGLE 2.5	25	**2457570000**

Application



Strain relief / protective cover

- ZVR ZP Strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protects the contact point from dirt

Ordering data	
	1.5 mm²
	2.5 mm²
Note	

APGSR

Strain reliefs

Type	Qty.	Order No.
APGSR 1.5	25	**2482730000**
APGSR 1.5/4	25	**2482740000**
APGSR 1.5/8	25	**2482750000**
APGSR 2.5	25	**2457580000**
APGSR 2.5/4	25	**2457590000**
APGSR 2.5/8	25	**2457600000**

APGPC

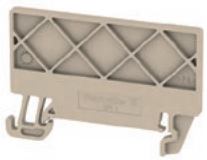
Protective cover

Type	Qty.	Order No.
APGPC 1.5	50	**2482530000**
APGPC 2.5	50	**1514500000**

Application

Integrated partition plate

APP1



Dimensions		
Width / Height / Depth	mm	2.5 / 52.67 / 36.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data			
		Type	Qty.	Order No.
	dark beige	APP 1	50	2488970000

Note

APP2

Dimensions		
Width / Height / Depth	mm	2.5 / 75.51 / 45.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data			
		Type	Qty.	Order No.
	dark beige	APP 2	50	2489090000

Note

APP3

Dimensions		
Width / Height / Depth	mm	2.5 / 104.2 / 45.15
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data			
		Type	Qty.	Order No.
	dark beige	APP 3	50	2489100000

Note

Integrated partition plate

APP4

Dimensions		
Width / Height / Depth	mm	2.5 / 89.15 / 54.85
Continuous operating temp., min.		-60 °C
Continuous operating temp., max.		130 °C
Material		Wemid
UL 94 flammability rating		V-0

Ordering data			
		Type	Qty.	Order No.
	dark beige	APP 4	50	2489110000

Note

Pluggable Cross-Connection ZQV

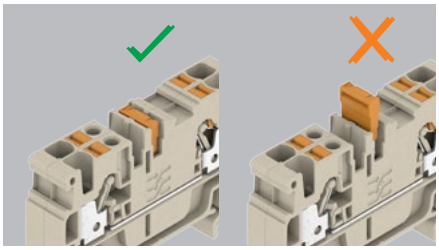
Weidmüller offers plug-in and screwed cross-connection systems for screw-connection terminal blocks. The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions. This also ensures that all poles always contact reliably.

Fitting and changing crossconnections

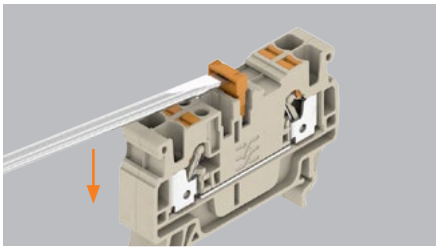
The fitting and changing of cross-connections is a trouble-free and fast operation:

- Insert the cross-connection into the crossconnection channel in the terminal...

... and press it fully home.
(The cross-connection may not project from the channel.)

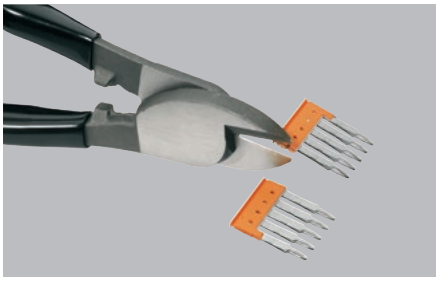


- Remove a cross-connection by simply prising it out with a screwdriver.



Shortening cross-connections

Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000).
However, three contact elements must always be retained.

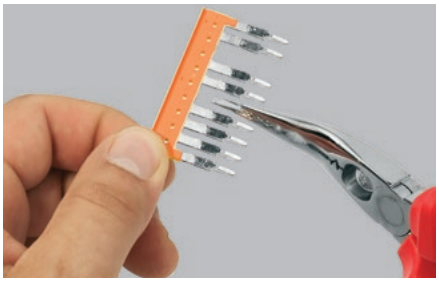


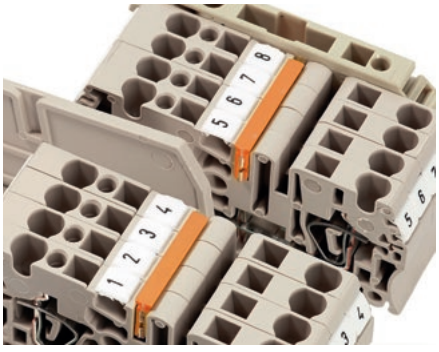
Breaking out contact elements

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

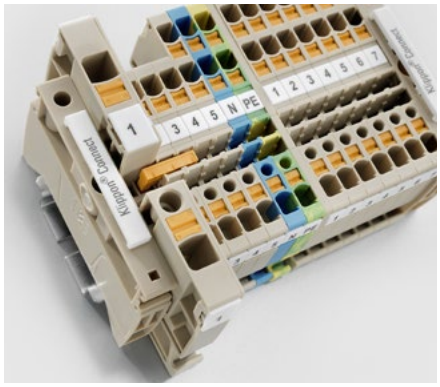
Caution:
Contact elements must not be deformed!

Note: By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

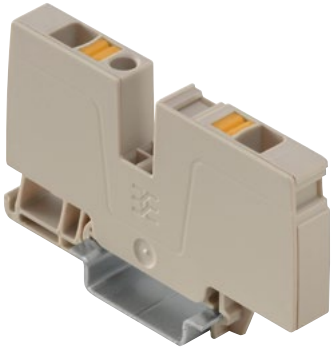




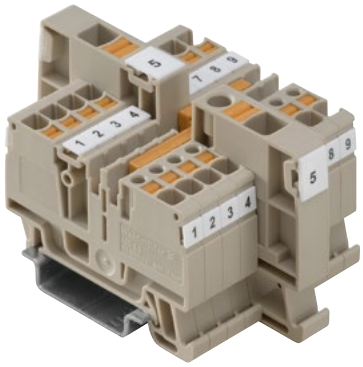
ALO 6 supply terminal



Integrated partition plate



Output possible on left and right

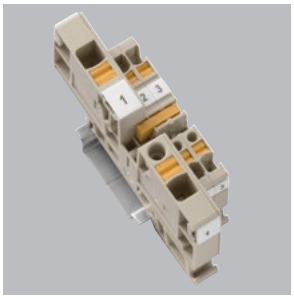


The ALO 6 supply terminal can be used for supplying current up to a conductor cross-section of 6 mm². Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

Output options and corresponding cross-connections

Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ALO 6	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•
	ADT 2.5 2C	ZQV 2.5N	•	•
	AFS 2.5 CF 2C BK	ZQV 2.5N	•	•



Imax =
Σ In (left)

Imax =
Σ In (left) + Σ In (right)

Imax =
Σ In (right)

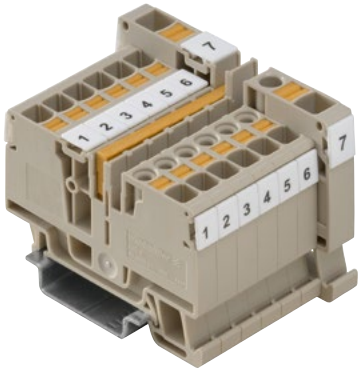
Maximum current flow Imax only with ALO xx

Feed terminal	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
A2C 1.5	ZQV 1.5N	6 mm²	41 A	41 A
A2C 2.5	ZQV 2.5N	6 mm²	41 A	41 A

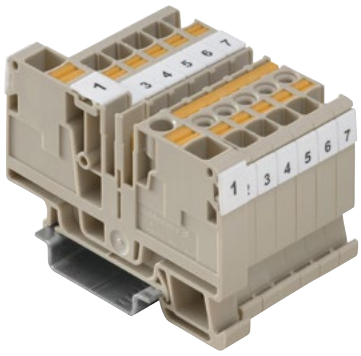
Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side.
The conductor before the output fuse must be routed to make it “short-circuit proof”.

Supply on the right



Supply on the left



Supply options and corresponding cross-connections

right

Supply terminals			Output terminals: 2.5 mm² A2C	2.5 mm² A3C	2.5 mm² A4C	2.5 mm² ADT 2C	2.5 mm² AFS 2C CF	4 mm² A2C	4 mm² A3C	4 mm² A4C	4 mm² ADT 2C	4 mm² AFS 2C	6 mm² A2C	6 mm² A3C
left														
1.5 mm²	A2C	ZQV 1.5N	•											
	A3C		•											
	A4C		•											
2.5 mm²	A2C	ZQV 2.5N						•						
	A3C							•						
	A4C							•						
	ADT 2C													
	AFS 2C CF													
4 mm²	A2C	ZQV 4N											•	
	A3C												•	
	A4C												•	
	ADT 2C													
	AFS 2C													

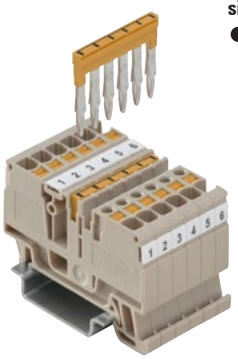
left

Supply terminals			Output terminals: 2.5 mm² A2C	2.5 mm² A3C	2.5 mm² A4C	2.5 mm² ADT 2C	2.5 mm² AFS 2C CF	4 mm² A2C	4 mm² A3C	4 mm² A4C	4 mm² ADT 2C	4 mm² AFS 2C	6 mm² A2C	6 mm² A3C
right														
1.5 mm²	A2C	ZQV 1.5N	•	•	•	•	•	•	•	•	•	•		
	A3C			•	•	•	•	•	•	•	•	•		
	A4C				•	•	•	•	•	•	•	•		
2.5 mm²	A2C	ZQV 2.5N						•	•	•	•	•	•	•
	A3C								•	•	•	•		
	A4C									•				
	ADT 2C													
	AFS 2C CF													
4 mm²	A2C	ZQV 4N											•	•
	A3C													
	A4C													
	ADT 2C													
	AFS 2C													

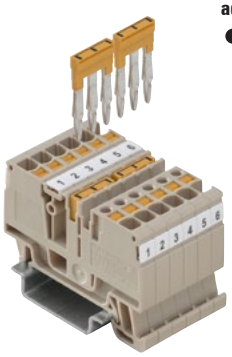
Possible combinations

In one cross-connection channel

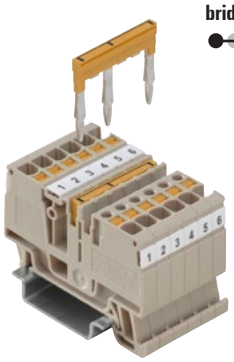
single



adjacent

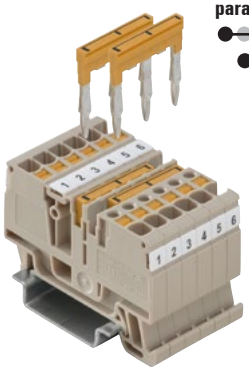


bridging

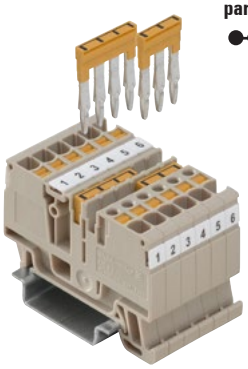


In two cross-connection channels

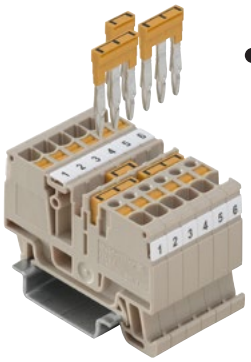
parallel/bridging



parallel/lengthening



chain bridge



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type Standard terminals	Cross-section mm²	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
A ... C	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T PE	1.5	ZQV 1.5N/...	•	•	•			
A3T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A3T PE	1.5	ZQV 1.5N/...	•	•	•			
APGTB	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T PE	1.5	ZQV 1.5N/...	•	•	•			
A ... C	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T PE	2.5	ZQV 2.5N/...	•	•	•			
A3T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A3T PE	2.5	ZQV 2.5N/...	•	•	•			
ADT	2.5	ZQV 2.5N/...	•	•	•	•	•	•
AFS	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T PE	2.5	ZQV 2.5N/...	•	•	•			
A ... C	4	ZQV 4N/...	•	•	•	•	•	•
A2T	4	ZQV 4N/...	•	•	•	•	•	•
A2T PE	4	ZQV 4N/...	•	•	•			
ADT	4	ZQV 4N/...	•	•	•	•	•	•
AFS	4	ZQV 4N/...	•	•	•	•	•	•
APGTB	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T PE	4	ZQV 4N/...	•	•	•			
A ... C	6	ZQV 6N/...	•	•	•	•	•	•
A ... C	10	ZQV 10N/...	•	•	•	•	•	•
A ... C	16	ZQV 16N/...	•	•	•	•	•	•

Cross-connections according to dimensions

ZQV 1.5N

Technical data			
current	A	17.5	
Ordering data		**Type**	**Qty.**	**Order No.**
2-pin		ZQV 1.5N/2	60	1985410000
3-pin		ZQV 1.5N/3	60	1985480000
4-pin		ZQV 1.5N/4	60	1985490000
5-pin		ZQV 1.5N/5	20	1985500000
6-pin		ZQV 1.5N/6	20	1985510000
7-pin		ZQV 1.5N/7	20	1985520000
8-pin		ZQV 1.5N/8	20	1985540000
9-pin		ZQV 1.5N/9	20	1985560000
10-pin		ZQV 1.5N/10	20	1985580000
20-pin		ZQV 1.5N/20	20	1985600000
50-pin		ZQV 1.5N/50	5	1985620000
Note				

Technical data			
current	A	17.5	
Ordering data		**Type**	**Qty.**	**Order No.**
2-pin		ZQV 1.5N/2 BL	60	1985530000
3-pin		ZQV 1.5N/3 BL	60	1985550000
4-pin		ZQV 1.5N/4 BL	60	1985570000
5-pin		ZQV 1.5N/5 BL	20	1985590000
6-pin		ZQV 1.5N/6 BL	20	1985610000
7-pin		ZQV 1.5N/7 BL	20	1985630000
8-pin		ZQV 1.5N/8 BL	20	1985640000
9-pin		ZQV 1.5N/9 BL	20	1985660000
10-pin		ZQV 1.5N/10 BL	20	1985680000
20-pin		ZQV 1.5N/20 BL	20	1985700000
50-pin		ZQV 1.5N/50 BL	5	1985720000
Note				

Technical data			
current	A	17.5	
Ordering data		**Type**	**Qty.**	**Order No.**
2-pin		ZQV 1.5N/2 RD	60	1985650000
3-pin		ZQV 1.5N/3 RD	60	1985670000
4-pin		ZQV 1.5N/4 RD	60	1985690000
5-pin		ZQV 1.5N/5 RD	20	1985710000
6-pin		ZQV 1.5N/6 RD	20	1985730000
7-pin		ZQV 1.5N/7 RD	20	1985750000
8-pin		ZQV 1.5N/8 RD	20	1985770000
9-pin		ZQV 1.5N/9 RD	20	1985790000
10-pin		ZQV 1.5N/10 RD	20	1985800000
20-pin		ZQV 1.5N/20 RD	20	1985810000
50-pin		ZQV 1.5N/50 RD	5	1985820000
Note				

ZQV 2.5N

		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2	60	1527540000
		ZQV 2.5N/3	60	1527570000
		ZQV 2.5N/4	60	1527590000
		ZQV 2.5N/5	20	1527620000
		ZQV 2.5N/6	20	1527630000
		ZQV 2.5N/7	20	1527640000
		ZQV 2.5N/8	20	1527670000
		ZQV 2.5N/9	20	1527680000
		ZQV 2.5N/10	20	1527690000
		ZQV 2.5N/20	20	1527720000
		ZQV 2.5N/50	5	1527730000

		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2 BL	60	1527740000
		ZQV 2.5N/3 BL	60	1527770000
		ZQV 2.5N/4 BL	60	1527780000
		ZQV 2.5N/5 BL	20	1527790000
		ZQV 2.5N/6 BL	20	1527820000
		ZQV 2.5N/7 BL	20	1527830000
		ZQV 2.5N/8 BL	20	1527840000
		ZQV 2.5N/9 BL	20	1527870000
		ZQV 2.5N/10 BL	20	1527880000
		ZQV 2.5N/20 BL	20	1527890000
		ZQV 2.5N/50 BL	5	1527920000

		24	
		Type	**Qty.**	**Order No.**
		ZQV 2.5N/2 RD	60	2108470000
		ZQV 2.5N/3 RD	60	2108690000
		ZQV 2.5N/4 RD	60	2108700000
		ZQV 2.5N/5 RD	20	2108710000
		ZQV 2.5N/6 RD	20	2108720000
		ZQV 2.5N/7 RD	20	2108810000
		ZQV 2.5N/8 RD	20	2108870000
		ZQV 2.5N/9 RD	20	2108900000
		ZQV 2.5N/10 RD	20	2108910000
		ZQV 2.5N/20 RD	20	2108920000
		ZQV 2.5N/50 RD	5	2109000000

ZQV 4N

		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2	60	1527930000
		ZQV 4N/3	60	1527940000
		ZQV 4N/4	60	1527970000
		ZQV 4N/5	60	1527980000
		ZQV 4N/6	20	1527990000
		ZQV 4N/7	20	1528020000
		ZQV 4N/8	20	1528030000
		ZQV 4N/9	20	1528070000
		ZQV 4N/10	20	1528090000
		ZQV 4N/50	5	1528130000

		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2 BL	60	1528040000
		ZQV 4N/3 BL	60	1528080000
		ZQV 4N/4 BL	60	1528120000
		ZQV 4N/5 BL	60	1528140000
		ZQV 4N/6 BL	20	1528170000
		ZQV 4N/7 BL	20	1528180000
		ZQV 4N/8 BL	20	1528190000
		ZQV 4N/9 BL	20	1528220000
		ZQV 4N/10 BL	20	1528230000
		ZQV 4N/50 BL	5	1528240000

		32	
		Type	**Qty.**	**Order No.**
		ZQV 4N/2 RD	60	2460450000
		ZQV 4N/3 RD	60	2460810000
		ZQV 4N/4 RD	60	2460800000
		ZQV 4N/5 RD	60	2460790000
		ZQV 4N/6 RD	20	2460780000
		ZQV 4N/7 RD	20	2460770000
		ZQV 4N/8 RD	20	2460760000
		ZQV 4N/9 RD	20	2460750000
		ZQV 4N/10 RD	20	2460740000

ZQV 6N

41

Type	Qty.	Order No.
ZQV 6N/2	60	1985740000
ZQV 6N/3	60	1985760000
ZQV 6N/4	60	1985780000

41

Type	Qty.	Order No.
ZQV 6N/2 BL	60	1985830000
ZQV 6N/3 BL	60	1985840000
ZQV 6N/4 BL	60	1985850000

Type	Qty.	Order No.

Type	Qty.	Order No.

ZQV 10N/2

57

Type	Qty.	Order No.
ZQV 10N/2	25	2497250000

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

ZQV 16N/2

76

Type	Qty.	Order No.
ZQV 16N/2	25	2497290000

Type	Qty.	Order No.

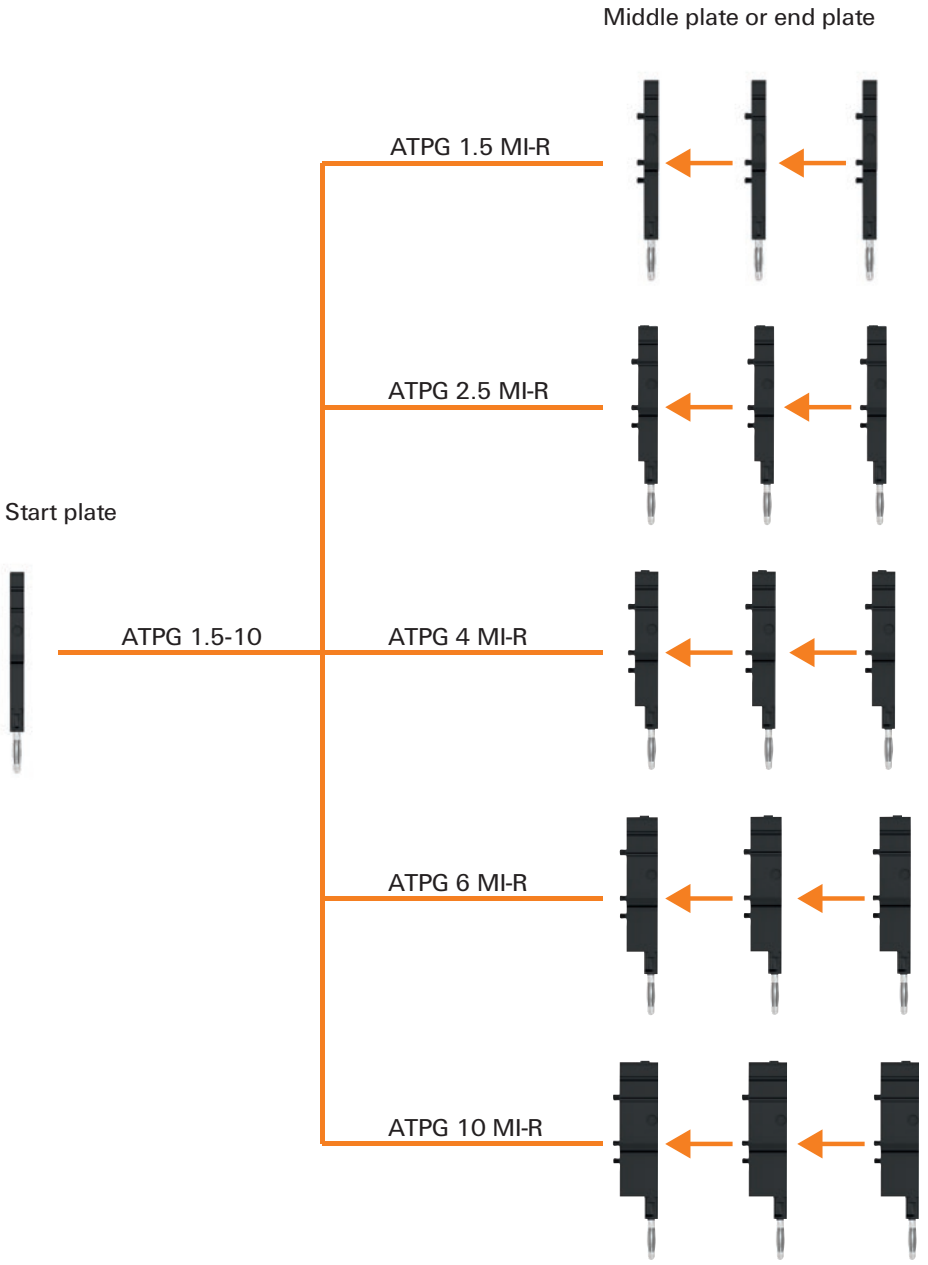
Type	Qty.	Order No.

Type	Qty.	Order No.

Test adapters for self-assembly:
The test adapters offer a flexible solution for every task – they can be connected by threading them together in accordance with the application to be fulfilled.

Note:
The start plate can only be combined with one size of expansion plate.

Structure of the test adapter system



Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions		
Width / Length / Height	mm	
Stripping length	-	
Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	mm²	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	3-pin	
	5-pin	
Note		

ATPG 1.5-10

Start plate

3.5 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 1.5-10 L	50	1991890000

The height is dependent on the terminal type

ATPG 1.5 MI-R

Middle plate or end plate

3.5 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 1.5 MI-R	50	1991880000

The height is dependent on the terminal type

ATPG 2.5 MI-R

Middle plate or end plate

5.1 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 2.5 MI-R	50	1991960000
ATPG 2.5/3	25	2041190000
ATPG 2.5/5	25	2041180000

The height is dependent on the terminal type

Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions		
Width / Length / Height	mm	
Stripping length	-	
Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	mm²	
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	3-pin	
	5-pin	
Note		

ATPG 4 MI-R-10

Middle plate or end plate

6.1 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 4 MI-R	50	1991860000

The height is dependent on the terminal type

ATPG 6 MI-R

Middle plate or end plate

7.9 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 6 MI-R	50	1991930000

The height is dependent on the terminal type

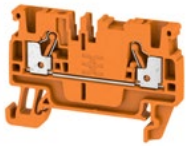
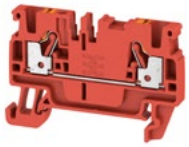
ATPG 10 MI-R

Middle plate or end plate

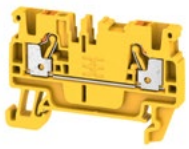
9.9 / / 18.5
0.2
1.5
0.5…1.5
0.5…1.5 / 0.5…1

Type	Qty.	Order No.
ATPG 10 MI-R	50	1991870000

Spring connection with PUSH IN technology (A-Series)
Overview

Type		Order No. beige	Order No. blue BL	Order No. orange OR	Order No. red RD
1.5 mm²	A2C	1552790000	1552820000	1552830000	2508020000
	A3C	1552740000	1552770000	1552780000	2534500000
	A4C	1552690000	1552700000	1552720000	2534430000
2.5 mm²	A2C	1521850000	1521880000	1521930000	1521900000
	A3C	1521740000	1521780000	1521830000	1521800000
	A4C	1521690000	1521700000	1521720000	1521710000
4 mm²	A2C	2051180000	2051210000	2051230000	2051220000
	A3C	2051240000	2051280000	2051320000	2051300000
	A4C	2051500000	2051520000	2051540000	2051530000
6 mm²	A2C	1992110000	1991790000	1991800000	-
	A3C	1991820000	1991830000	1991840000	-



Type		Order No. yellow YL	Order No. green GN	Order No. white WT	Order No. black BK
1.5 mm²	A2C	2508190000	2508210000	2508160000	2508170000
	A3C	2534520000	2534480000	2534510000	2534230000
	A4C	2534450000	2534410000	2534440000	2534260000
2.5 mm²	A2C	1521940000	1521950000	1521970000	1521980000
	A3C	1521840000	1521870000	1521890000	1521920000
	A4C	1521730000	1521770000	1521790000	1521820000
4 mm²	A2C	2051250000	2051260000	2051290000	2051310000
	A3C	2051340000	2051350000	2051370000	2051400000
	A4C	2051550000	2051580000	2051610000	2051660000
6 mm²	A2C	-	-	-	-
	A3C	-	-	-	-

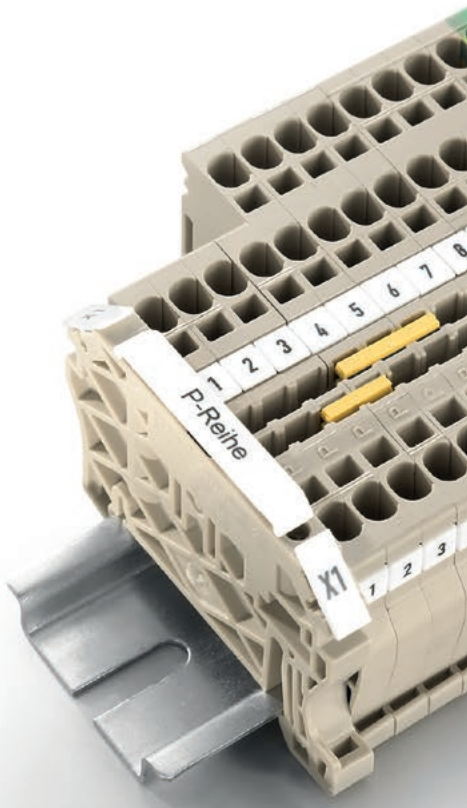
Type		Order No. light grey LTGY	Order No. dark blue DBL	Order No. brown BR
1.5 mm²	A2C	2508220000	2508180000	2508200000
	A3C	2534490000	2534540000	2534530000
	A4C	2534420000	2534470000	2534460000
2.5 mm²	A2C	2003110000	2508000000	2508030000
	A3C	2003120000	2534690000	2534750000
	A4C	2003130000	2534740000	2534730000
4 mm²	A2C	2051330000	2534370000	2534380000
	A3C	2051460000	2534290000	2534360000
	A4C	2051670000	2534390000	2534400000
6 mm²	A2C	-	-	-
	A3C	-	-	-

Terminal blocks with PUSH IN connection technology

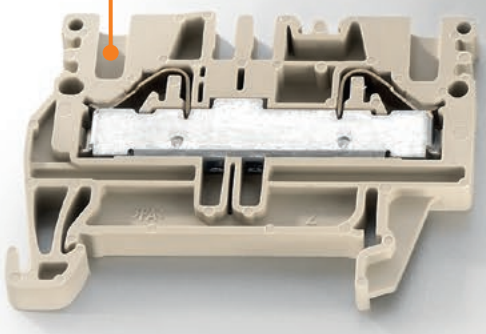
Wiring is quick and safe

Increase your efficiency. The PUSH IN connection method and the associated reduction in the number of versions will help you.

Among the impressive features of the direct PUSH IN connection system are minimal wiring times and reliable, simple handling. Compared to the 3-conductor tension clamps, the direct PUSH IN system achieves time savings of up to 50 percent when connecting the conductor (3.5 seconds per conductor). The stripped solid conductor is simply pushed into the terminal as far as it will go – that's all there is to it. No tools are required, and the result is a reliable, vibration-resistant, gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonicwelded conductors can be connected without any problems.

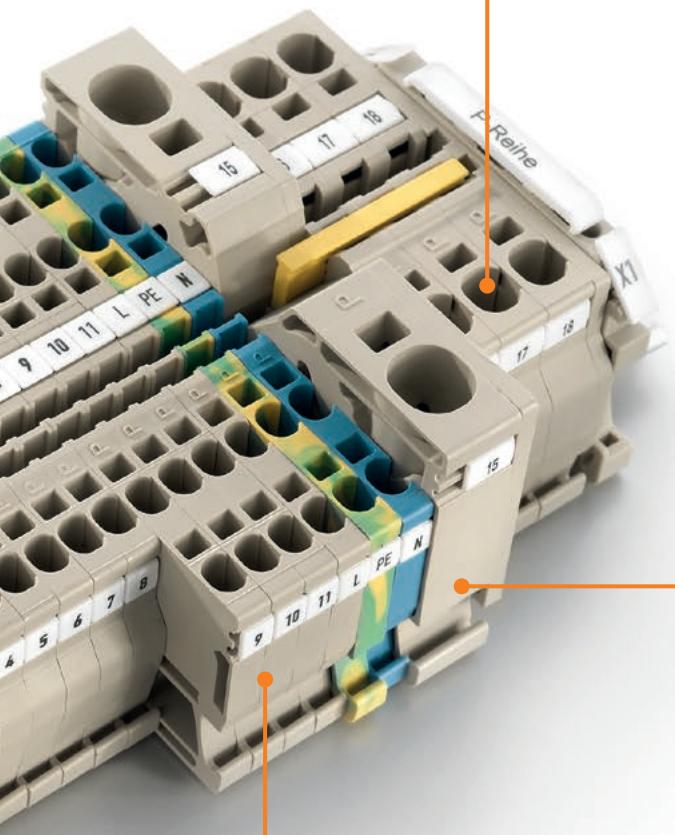


Quick and safe
Wiring time is significantly reduced with the direct insertion technique for solid-core and flexible stranded wires with ferrules thanks to the PUSH IN connection method – considerably quicker to connect and no need for additional tools.



PUSH IN

Simple operation
The PUSH IN contact's spring movement is limited by the spring stop mechanism, improper use is prevented by the design of the terminals.



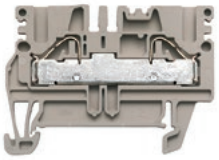
Contact security
The long-term contact force between wire and busbar is ensured with a stainless steel spring. The busbar is made of copper with a tin alloy, this ensures a very low voltage drop.

Wemid insulating material
- Non-tracking CTI 600
- Thermally stable up to 120 °C
- V0 flammability rating to UL94
- Halogen and phosphor free, flame-retardant

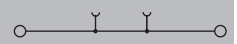
PDU 2.5/4 — 4 mm²

Two connections

PUSH IN



Width/Height/Depth	5.1 x 52 x 38
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

IEC 60947-7-1	Ex e II II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	550
Rated current A	32	30	30	29
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				KEMA06ATEX0177U

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	12 / 3.0 x 0.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDU 2.5/4	100	1896110000
blue	PDU 2.5/4 BL	100	1896230000

Note

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	PAP 2.5/4		50	1896300000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	PTA PDU2.5/4		25	1916180000
With spigot	PTA ZA PDU2.5/4		25	1916190000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	PRH 2.5/4/1		100	1916410000
For conductors < 1.0 mm² / AWG 18	PRH 2.5/4/2		100	1916400000
Cover				
With lightning flash symbol	PAD 2.5/4/4		80	1916150000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

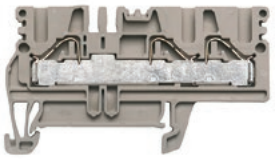
For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

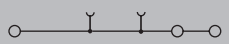
PDU 2.5/4 3AN — 4 mm²

Three connections

PUSH IN



Width/Height/Depth	5.1 x 67.5 x 38
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

IEC 60947-7-1	Ex e II II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	550
Rated current A	32	30	30	29
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				KEMA06ATEX0177U

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

Ordering data

Type	Qty.	Order No.
PDU 2.5/4/3AN	100	1896120000
PDU 2.5/4/3AN BL	100	1896240000

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

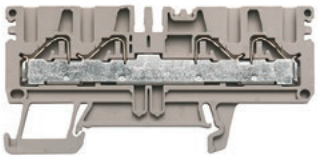
Accessories

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4/3AN		50	1896480000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDU 2.5/4 4AN — 4 mm²

Four connections



5.1 x 78.5 x 38
/ 6
0.13...6

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A3 / V-0		

KEMA06ATEX0177U

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4/4AN	100	1896130000
PDU 2.5/4/4AN BL	100	1896250000

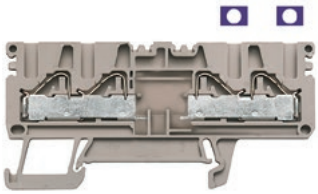
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDU 2.5/4 2x2 — 4 mm²

2 x 2 connections



5.1 x 78 x 38
/ 6
0.13...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4/2X2AN	50	1022220000
PDU 2.5/4/2X2AN BL	50	1043220000

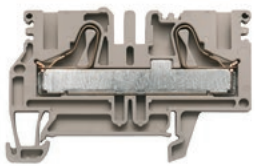
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDU 6/10 — 10 mm²

Two connections



8.1 x 64.5 x 40.5
57 / 10
1.5...10

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	44	46	36.5
10	AWG 14...8	AWG 14...10	6 mm²
	8 kV / 3		
	A4 / V-0		

KEMA06ATEX0177U

Rated connection
1.5...10 / 10...10
1.5...10 / 1.5...10
14 / 0.6 x 3.5 mm

Type	Qty.	Order No.
PDU 6/10	50	1896140000
PDU 6/10 BL	25	1896270000

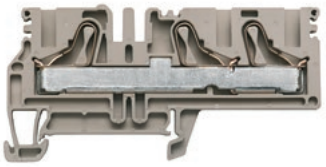
For 10 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
PAP PDU6/10		20	1896330000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

PDU 6/10 3AN — 10 mm²

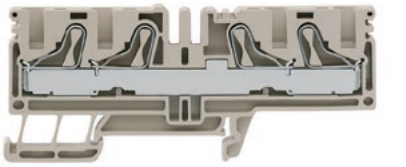
Three connections

PUSH IN

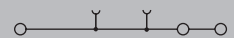


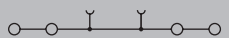
PDU 6/10 4AN — 10 mm²

PUSH IN



		PDU 6/10 3AN	PDU 6/10 4AN
Width/Height/Depth	mm	8.1 x 82.5 x 40.5	8.1 x 97 x 40.5
max. current / max. cond. cross-section	A/mm²	57 / 10	57 / 10
Max. clamping range	mm²	1.5...10	1.5...10





Technical data

Rated data		PDU 6/10 3AN	PDU 6/10 4AN
		IEC 60947-7-1	IEC 60947-7-1
		Ex e II — II 2 G D	
IEC		800	800
UL		600	600
CSA		600	
EN 60079-7		550	
Rated voltage	V	800	800
Rated current	A	57	57
for wire cross-section	mm²	10 — AWG 14...8 — AWG 14...10 — 6 mm²	10 — AWG 14...8
Rated impulse withstand voltage / Pollution severity		8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0	A4 / V-0
Approvals		KEMA06ATEX0177U	
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	1.5...6 / 10...10	1.5...6 / 10...10
Flexible / Flexible with ferrule	mm²	1.5...10 / 1.5...10	1.5...10 / 1.5...10
Stripping length / Blade size	mm/-	14 / 0.6 x 3.5 mm	14 / 0.6 x 3.5 mm
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	PDU 6/10/3AN	50	1896150000	PDU 6/10/4AN	50	1083040000
	blue	PDU 6/10/3AN BL	50	1896280000	PDU 6/10/4AN BL	25	1165130000
Note		For 10 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).					

Accessories

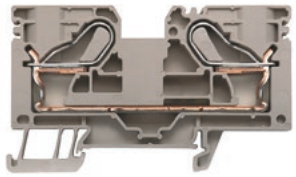
		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection									
	2-pole	ZQV 6N/2		60	1906210000	ZQV 6N/2		60	1906210000
	3-pole	ZQV 6N/3		60	1906220000	ZQV 6N/3		60	1906220000
	4-pole	ZQV 6N/4		60	1906230000	ZQV 6N/4		60	1906230000
	10-pole								
End plate / Partition plate									
	dark beige	PAP PDU6/10/3AN		20	1896340000	PAP PDU6/10/4AN		20	1165070000
End bracket									
	dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter									
	Standard								
	With spigot								
Screwdriver									
	Standard	SDS 0.5X3.0X80		1	9008320000	SDS 0.5X3.0X80		1	9008320000
Reducing sleeves									
	For conductors < 0.5 mm² / AWG 20								
	For conductors < 1.0 mm² / AWG 18								
Cover									
	With lightning flash symbol	PAD 6/10/4		80	1916160000	PAD 6/10/4		80	1916160000
Identification systems									
		WS 10/8 PLUS MC NE WS		420	1905950000	WS 10/8 PLUS MC NE WS		420	1905950000
		DEK 5/8 MM WS		500	2007130000	DEK 5/8 MM WS		500	2007130000
		WS 8/8 MM WS		500	2007170000	WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

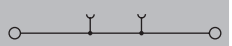
PDU 16 — 16 mm²

Two connections

PUSH IN



12.1 x 80.5 x 47.5
/ 16
2.5...16



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	59
16	AWG 14...4	AWG 14...4	16 mm²
	8 kV / 3		
	B6 / V-0		
	KEMA06ATEX0177U		

Rated connection
2.5...16
2.5...16 / 2.5...16
18 / 1.0 x 5.5 mm

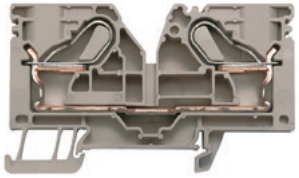
Type	Qty.	Order No.
PDU 16	25	**1896400000**
PDU 16 BL	10	**1896220000**

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
PAP 16		10	**1896290000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
PAD 16/4		80	**1916170000**
WS 12/8 PLUS MC NE WS		420	**1906000000**

PEI 16 — 16 mm²

Supply terminal

PUSH IN



15 x 80.5 x 47.5
/ 16
2.5...16

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	66.5
16	AWG 14...4	AWG 14...4	16 mm²
	8 kV / 3		
	B6 / V-0		
	KEMA06ATEX0177U		

Rated connection
2.5...16
2.5...16 / 2.5...16
18 / 1.0 x 5.5 mm

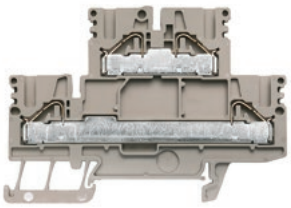
Type	Qty.	Order No.
PEI 16	25	**1918780000**
PEI 16 BL	25	**1918790000**

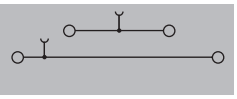
Terminal contains end plate.
No separate end plate is necessary.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 6N/3		60	**1906220000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
PAD 16/4		80	**1916170000**
WS 12/8 PLUS MC NE WS		420	**1906000000**

PDK 2.5/4 — 4 mm²

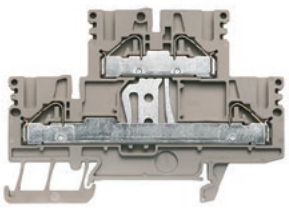
Double-level terminal

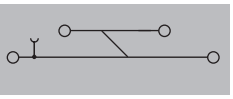




PDK 2.5/4 V — 4 mm²

Vertical cross-connected double-level terminal. Cross-connector for the bottom layer only.





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

PDK 2.5/4	PDK 2.5/4 V
5.1 x 82.5 x 58	5.1 x 82.5 x 58
32 / 6	**32 / 6**
0.13...6	**0.13...6**

Technical data

	PDK 2.5/4	PDK 2.5/4 V
IEC 60947-7-1	Ex e II II 2 G D	Ex e II II 2 G D
IEC	800	800
UL	600	600
CSA	600	600
EN 60079-7	550	550
Rated data		
Rated voltage V	24	24
Rated current A	30	30
for wire cross-section mm²	4 AWG 26...10	4 AWG 26...10
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals	KEMA06ATEX0177U	KEMA06ATEX0177U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	12 / 3.0 x 0.5 mm	12 / 3.0 x 0.5 mm
Note	For 2.5 mm² 24 A	

Ordering data

Version	PDK 2.5/4			PDK 2.5/4 V		
	Type	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	PDK 2.5/4	50	**1918770000**	PDK 2.5/4V	50	**1918730000**
blue	PDK 2.5/4 BL	50	**1918760000**	PDK 2.5/4V BL	50	**1918680000**
green/yellow						
Note	For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).			For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Accessories

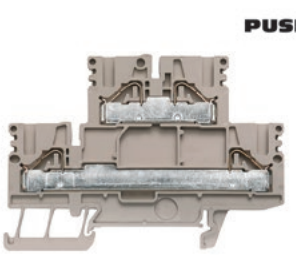
	PDK 2.5/4				PDK 2.5/4 V			
	Type	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
Pluggable cross-connection								
2-pole	ZQV 2.5/2		60	**1608860000**	ZQV 2.5/2		60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate								
dark beige	PAP PDK 2.5/4		20	**1919720000**	PAP PDK 2.5/4		20	**1919720000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter								
Standard	PTA PDU2.5/4		25	**1916180000**	PTA PDU2.5/4		25	**1916180000**
With spigot	PTA ZA PDU2.5/4		25	**1916190000**	PTA ZA PDU2.5/4		25	**1916190000**
Screwdriver								
Standard	SDS 0.5X3.0X80		1	**9008320000**	SDS 0.5X3.0X80		1	**9008320000**
Reducing sleeves								
For conductors < 0.5 mm² / AWG 20	PRH 2.5/4/1		100	**1916410000**	PRH 2.5/4/1		100	**1916410000**
For conductors < 1.0 mm² / AWG 18	PRH 2.5/4/2		100	**1916400000**	PRH 2.5/4/2		100	**1916400000**
Cover								
With lightning flash symbol	PAD 2.5/4/4		80	**1916150000**	PAD 2.5/4/4		80	**1916150000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

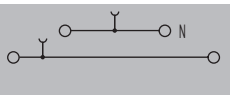
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDK 2.5/4 N-L — 4 mm²



5.1 x 82.5 x 58
32 / 6
0.13...6



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A3 / V-0		

KEMA06ATEX0177U

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

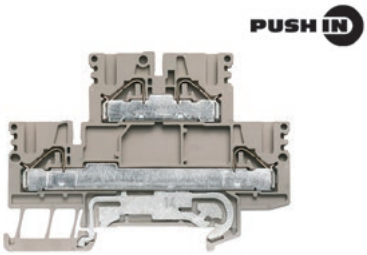
Type	Qty.	Order No.
PDK 2.5/4N-L	50	1918740000

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

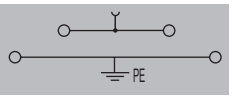
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDK 2.5/4 L-PE — 4 mm²



5.1 x 82.5 x 58
32 / 6
0.13...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A3 / V-0		

KEMA06ATEX0177U

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

For 2.5 mm² 24 A. Cross-connector for top layer only

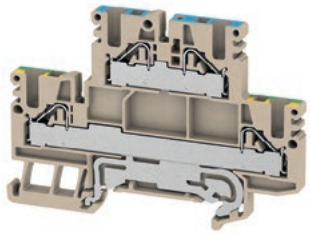
Type	Qty.	Order No.
PDK 2.5/4L-PE	50	1918720000

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

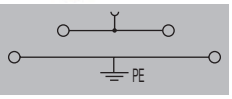
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PDK 2.5/4 N-PE — 4 mm²



5.1 x 82.5 x 58
32 / 6
0.13...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A3 / V-0		

KEMA06ATEX0177U

Rated connection
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

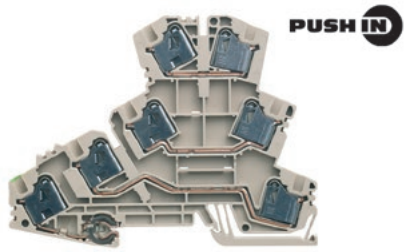
4 mm² conductor should be processed after crimping (according to Euro-Norm EN 60947-1), for example with PZ6/5, order no. 9011460000.

Type	Qty.	Order No.
PDK 2.5/4N-PE	50	1918750000

For use with 4 mm² conductors, with wire-end ferrules and cross-section-optimized plastic collars (order no. 9203630000)

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

	PMAK 4	4 mm²	PMAK 4 800 V	4 mm²
				
Width/Height/Depth mm	5.1 x 103.86 x 78.3		6.1 x 107.5 x 82	
max. current / max. cond. cross-section A/mm²	**30 / 6**		**32 / 6**	
Max. clamping range mm²	**0.5...6**		**0.5...6**	

Technical data

Rated data	PMAK 4	PMAK 4 800 V
Rated voltage V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
400	300			800	600		
30	29			32	29		
4	AWG 26...10			4	AWG 26...10		
		6 kV / 3				8 kV / 3	
		A3 / V-0				A3 / V-0	

Clamped conductors (H05V/H07V)	PMAK 4	PMAK 4 800 V
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		

Rated connection	Rated connection
0.5...6	0.5...6
0.5...4 / 0.5...4	0.5...4 / 0.5...4
12 / 0.4 x 2.5 mm	12 / 0.4 x 2.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	PMAK 4	50	**1221340000**	PMAK 4 800V	50	**1221350000**

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**				
3-pole	ZQV 2.5/3	24 A	60	**1608870000**				
4-pole	ZQV 2.5/4	24 A	60	**1608880000**				
10-pole	ZQV 2.5/10	24 A	20	**1608940000**				
End plate / Partition plate								
dark beige	PAP PMAK 4		20	**1221360000**				
End bracket								
dark beige	ZEW 35/2		20	**8630740000**	ZEW 35/2		20	**8630740000**
Screwdriver								
Standard	SDS 0.4X2.5X75		1	**9009030000**	SDS 0.4X2.5X75		1	**9009030000**
Identification systems								
	DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/6 MM WS		600	**2007120000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

PPE 2.5/4 — 4 mm²

Two connections

PUSH IN

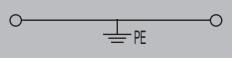
PPE 2.5/4 3AN — 4 mm²

Three connections

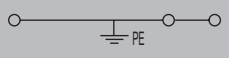
PUSH IN

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

5.1 x 53 x 38	
/ 6	
0.13...6	



5.1 x 67 x 38	
/ 6	
0.13...6	



Technical data

Rated data				
for wire cross-section	mm²			
Rated voltage to adjoining terminal	V			
Rated impulse withstand voltage to adjacent terminal	kV			
Rated short-time current				
Pollution severity				
Gauge to IEC 60947-1 / UL 94 flammability rating				
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Twin wire-end ferrule	mm²
Stripping length / Blade size	mm/-

Note

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
PPE 2.5/4	50	1896170000
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Type	Qty.	Order No.
PPE 2.5/4/3AN	50	1896200000
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Accessories

End plate / Partition plate			
	dark beige		
End bracket			
	dark beige		
Screwdriver			
	Standard		
Reducing sleeves			
	For conductors < 0.5 mm² / AWG 20		
	For conductors < 1.0 mm² / AWG 18		
Cover			
	With lightning flash symbol		
Identification systems			

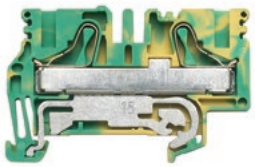
Type	current	Qty.	Order No.
PAP 2.5/4		50	1896300000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
PAP 2.5/4/3AN		50	1896480000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

		PPE 2.5/4 4AN	4 mm²	PPE 6/10	6 mm²
		Four connections		Two connections	
		PUSH IN		PUSH IN	
					
Width/Height/Depth	mm	5.1 x 80 x 38		8.1 x 63.5 x 40.5	
max. current / max. cond. cross-section	-/mm²	/ 6		/ 10	
Max. clamping range	mm²	0.13...6		1.5...10	

Technical data

		IEC 60947-7-2		Ex e II	II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	8			
Rated short-time current		480 A (4 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

		IEC 60947-7-2		Ex e II	II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	6	AWG 14...8	AWG 14...8	6 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	8			
Rated short-time current		1200 A (10 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...6			
Flexible / Flexible with ferrule	mm²	1.5...10 / 1.5...10			
Twin wire-end ferrule	mm²				
Stripping length / Blade size	mm/-	14 / 0.6 x 3.5 mm			
Note					

Ordering data

Version		**Type**	**Qty.**	**Order No.**
	green/yellow	PPE 2.5/4/4AN	50	**1896160000**
Note		For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Type	**Qty.**	**Order No.**
PPE 6/10	25	**1896180000**
For 10 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).		

Accessories

End plate / Partition plate		**Type**	**current**	**Qty.**	**Order No.**
	dark beige	PAP 2.5/4/4AN		50	**1896320000**
End bracket					
	dark beige	ZEW 35		20	**9540000000**
Screwdriver					
	Standard	SDS 0.5X3.0X80		1	**9008320000**
Reducing sleeves					
	For conductors < 0.5 mm² / AWG 20	PRH 2.5/4/1		100	**1916410000**
	For conductors < 1.0 mm² / AWG 18	PRH 2.5/4/2		100	**1916400000**
Cover					
	With lightning flash symbol	PAD 2.5/4/4		80	**1916150000**
Identification systems					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 10/5 MC NE WS		720	**1635000000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**

Type	**current**	**Qty.**	**Order No.**
PAP PDU6/10		20	**1896330000**
ZEW 35		20	**9540000000**
SDS 0.5X3.0X80		1	**9008320000**
PAD 6/10/4		80	**1916160000**
WS 10/8 PLUS MC NE WS		420	**1905950000**
DEK 5/8 MM WS		500	**2007130000**
WS 8/8 MM WS		500	**2007170000**

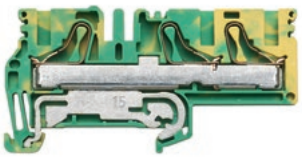
For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

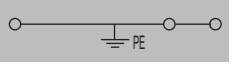
PPE 6/10 3AN — 6 mm²

Three connections

PUSH IN



Width/Height/Depth	8.1 x 81.5 x 40.5 mm
max. current / max. cond. cross-section	/ 10 -/mm²
Max. clamping range	1.5...10 mm²



Technical data

IEC 60947-7-2 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	6	AWG 14...8	AWG 14...8	6 mm²
Rated voltage to adjoining terminal V	800			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current	1200 A (10 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	1.5...6			
Flexible / Flexible with ferrule mm²	1.5...10 / 1.5...10			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	14 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
green/yellow	PPE 6/10/3AN	25	1896190000

Note

For 10 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

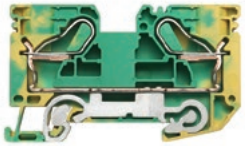
Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	PAP PDU6/10/3AN		20	1896340000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20				
For conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol	PAD 6/10/4		80	1916160000
Identification systems				
	WS 10/8 PLUS MC NE WS		420	1905950000
	DEK 5/8 MM WS		500	2007130000
	WS 8/8 MM WS		500	2007170000

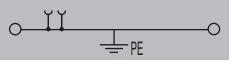
For detailed information on other accessories and application in the online catalogue

PPE 16 — 16 mm²

Two connections



Width/Height/Depth	mm	12.1 x 81 x 47.5
max. current / max. cond. cross-section	-/mm²	/ 16
Max. clamping range	mm²	2.5...16



Technical data

IEC 60947-7-2 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section (mm²)	16	AWG 14...4	AWG 14...4	16 mm²
Rated voltage to adjoining terminal (V)	800			
Rated impulse withstand voltage to adjacent terminal (kV)	8			
Rated short-time current	1920 A (16 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B6 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded (mm²)	2.5...16			
Flexible / Flexible with ferrule (mm²)	2.5...16 / 2.5...16			
Twin wire-end ferrule (-)				
Stripping length / Blade size (mm/-)	18 / 1.0 x 5.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
green/yellow	PPE 16	10	1896210000

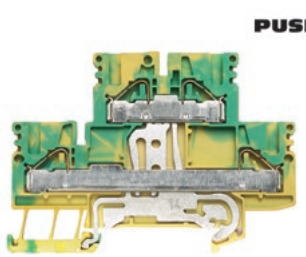
Note

Accessories

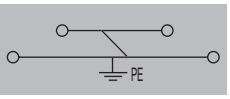
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 16/2	76 A	25	1739690000
End plate / Partition plate				
dark beige	PAP 16		10	1896290000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 1.0X5.5X125		1	1274680000
Cover				
With lightning flash symbol	PAD 16/4		80	1916170000
Identification systems				
	WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

PDK 2.5/4 PE — 4 mm²



Width/Height/Depth	5.1 x 82.5 x 58
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated voltage to adjoining terminal	V	800			
Rated impulse withstand voltage to adjacent terminal	kV	8			
Rated short-time current		480 A (4 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	-/-				

IEC 60947-7-2 — Ex e II — II 2 G D

Note

Ordering data

Version		Type	Qty.	Order No.
	green/yellow	PDK 2.5/4 PE	50	1918710000

Note

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

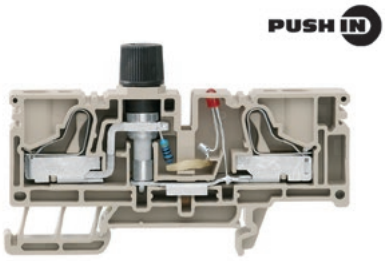
Accessories

		Type	current	Qty.	Order No.
End plate / Partition plate		PAP PDK 2.5/4		20	1919720000
	dark beige				
End bracket		ZEW 35		20	9540000000
	dark beige				
Screwdriver		SDS 0.5X3.0X80		1	9008320000
	Standard				
Reducing sleeves		PRH 2.5/4/1		100	1916410000
	For conductors < 0.5 mm² / AWG 20	PRH 2.5/4/2		100	1916400000
	For conductors < 1.0 mm² / AWG 18				
Cover		PAD 2.5/4/4		80	1916150000
	With lightning flash symbol				
Identification systems		DEK 5/5 MC NE WS		1000	1609801044
		WS 10/5 MC NE WS		720	1635000000
		DEK 5/5 MM WS		800	2007110000
		WS 8/5 MM WS		800	2007150000

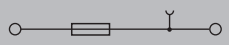
For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PSI 6/10 — 6 mm²



Width/Height/Depth	12.2 x 81 x 39.6 mm
max. current / max. cond. cross-section	**10 / 10** A/mm²
Max. clamping range	**1.5...10** mm²



PSI 6/10

Overload and short-circuit protection

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	250			
Rated current A	6.3			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
UL 94 flammability rating			V-0	
Approvals	CE EAC			

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	1.5...6
Flexible / Flexible with ferrule mm²	1.5...10 / 1.5...10
Blade size	0.6 x 3.5 mm

Note

IEC 60947-7-1

Type	Order No.
PSI 6/10	**1083050000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	35 °C	2.5 W / 6.3 A		
In combination	26 °C	2.5 W / 6.3 A		

Ordering data

Version	Type	Qty.	Order No.
dark beige	PSI 6/10	25	**1083050000**
dark beige	PSI 6/10/LD 10-36V	25	**1231880000**
black	PSI 6/10/LD 10-36V SW	25	**1231870000**
black	PSI 6/10 SW	25	**1165140000**

Note — Short-circuit protection aligned individually: 10 A and 4 W.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
3-pole	ZQV 4/3 GE	32 A	60	**1608960000**
4-pole	ZQV 4/4 GE	32 A	60	**1608970000**
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate				
dark beige	PAP PTL/PSI 6/10		20	**1165320000**
black	PAP PTL/PSI 6/10 SW		20	**1165330000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDS 0.5X3.0X80		1	**9008320000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	WS 10/8 PLUS MC NE WS		420	**1905950000**

For detailed information on other accessories and application in the online catalogue

Every second cross-connection pin must be broken out.

Cartridge fuses and gauge rings for Weidmüller-fuse terminal blocks

Fuse cartridges

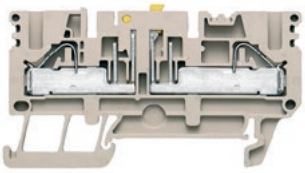
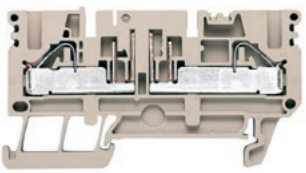
for terminal type:
PSI 6/10
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB

Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	**0430300000**
		0.2	quick-acting	G 20/0.20A/F	10	**0430400000**
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	**0430500000**
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	**0430600000**
		0.63	quick-acting	G 20/0.63A/F	10	**0439000000**
		1	quick-acting	G 20/1.00A/F	10	**0430700000**
		1.6	quick-acting	G 20/1.60A/F	10	**0430800000**
		2	quick-acting	G 20/2.00A/F	10	**0430900000**
		2.5	quick-acting	G 20/2.50A/F	10	**0431000000**
		3.15	quick-acting	G 20/3.15A/F	10	**0431100000**
		4	quick-acting	G 20/4.00A/F	10	**0431200000**
		5	quick-acting	G 20/5.00A/F	10	**0431300000**
		6.3	quick-acting	G 20/6.30A/F	10	**0431400000**

(M) = medium time-lag; (F) = quick-acting

	PTR 2.5/4	PTR 2.5/4 O TNHE
	4 mm²	4 mm²
	With isolator	
		
Width/Height/Depth mm	5.1 x 71 x 39	5.1 x 71 x 39
max. current / max. cond. cross-section A/mm²	23 / 6	23 / 6
Max. clamping range mm²	0.13...6	0.13...6

Technical data

	PTR 2.5/4	PTR 2.5/4 O TNHE
Rated data		
Rated voltage of feed-through terminal V	IEC 60947-7-1	IEC 60947-7-1
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Number of operating cycles		
Approvals		

IEC	UL	CSA	EN 60079-7
500	600	600	
23	24	24	
4	AWG 26...10	AWG 26...10	
	6 kV / 3		
	A3 / V-0		

IEC	UL	CSA	EN 60079-7
500			
23			
4			
	6 kV / 3		
	A3 / V-0		

	PTR 2.5/4	PTR 2.5/4 O TNHE
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Twin wire-end ferrule mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Note	For 2.5mm² 22 A	For 2.5mm² 22 A

Ordering data

Version	Type	Qty.	Order No.
dark beige	PTR 2.5/4	50	1933950000
blue	PTR 2.5/4 BL	50	1933970000
without isolator, dark beige			
Note	For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Type	Qty.	Order No.
PTR 2.5/4 O.TNHE	50	1933910000
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Accessories

Version	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	PAP PTR2.5/4		20	1934680000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

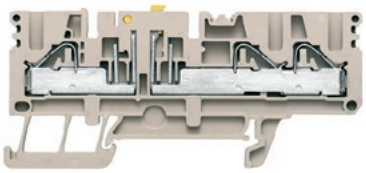
Version	Type	current	Qty.	Order No.
	ZQV 2.5/2		60	1608860000
	ZQV 2.5/3	24 A	60	1608870000
	ZQV 2.5/4	24 A	60	1608880000
	ZQV 2.5/10	24 A	20	1608940000
	PAP PTR2.5/4		20	1934680000
	ZEW 35		20	9540000000
	SDS 0.5X3.0X80		1	9008320000
	PS 2.3 RT		20	0180400000
	SIHA 3/G20		25	7921560000
	SIHA 3/G20/LD 10-36V		25	7921570000
	SIHA 3/G20/LD 140-250V		25	7921600000
	BEST		50	1833100000
	BEST/DRBR		50	1878570000
	BEST/D		50	1878560000
	TNST		50	1833090000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	Detailed information for working with twin ferrules can be found in the P Series Accessories section.	Detailed information for working with twin ferrules can be found in the P Series Accessories section.

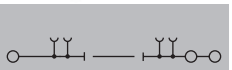
PTR 2.5/4 3AN — 4 mm²

With isolator

PUSH IN



5.1 x 85 x 39
24 / 6
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

For 2.5mm² 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN	50	**1933980000**
PTR 2.5/4/3AN BL	50	**1933930000**

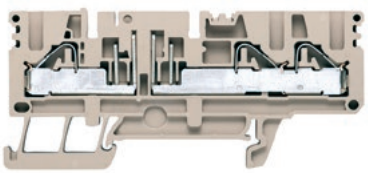
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PTR2.5/4/3AN		20	**1934690000**
ZEW 35		20	**9540000000**
SDS 0.5X3.0X80		1	**9008320000**
PS 2.3 RT		20	**0180400000**
SIHA 3/G20		25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR		50	**1878570000**
BEST/D		50	**1878560000**
TNST		50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PTR 2.5/4 3AN O TNHE — 4 mm²

PUSH IN



5.1 x 85 x 39
24 / 6
0.13...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
24			
4			
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

For 2.5mm² 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN O.TNHE	50	**1933990000**

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

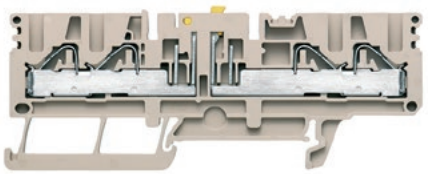
Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PTR2.5/4/3AN		20	**1934690000**
ZEW 35		20	**9540000000**
SDS 0.5X3.0X80		1	**9008320000**
PS 2.3 RT		20	**0180400000**
SIHA 3/G20		25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR		50	**1878570000**
BEST/D		50	**1878560000**
TNST		50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

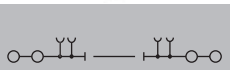
PTR 2.5/4 4AN — 4 mm²

With isolator

PUSH IN



5.1 x 99 x 39
24 / 6
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 0.6 x 3.5 mm

For 2.5mm² 22 A

Type	Qty.	Order No.
PTR 2.5/4/4AN	50	**1933940000**
PTR 2.5/4/4AN BL	50	**1934000000**

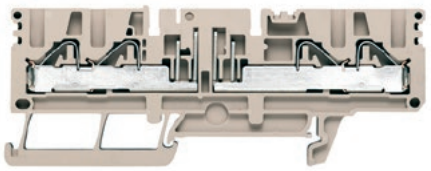
For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PTR2.5/4/4AN		20	**1934700000**
ZEW 35		20	**9540000000**
SDS 0.5X3.0X80		1	**9008320000**
PS 2.3 RT		20	**0180400000**
SIHA 3/G20		25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
BEST		50	**1833100000**
BEST/DRBR		50	**1878570000**
BEST/D		50	**1878560000**
TNST		50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

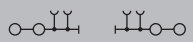
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

PTR 2.5/4 4AN O TNHE — 4 mm²

PUSH IN



Width/Height/Depth	5.1 x 99 x 39 mm
max. current / max. cond. cross-section	24 / 6 A/mm²
Max. clamping range	0.13...6 mm²



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	500			
Rated current (A)	24			
for wire cross-section (mm²)	4			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Number of operating cycles				
Approvals	CE EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded (mm²)	0.5...6			
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...4			
Twin wire-end ferrule (mm²)	0.5...1.5			
Stripping length / Blade size (mm/-)	12 / 0.6 x 3.5 mm			

Note

For 2.5mm² 22 A

Ordering data

Version	Type	Qty.	Order No.
dark beige			
blue			
without isolator, dark beige	PTR 2.5/4/4AN O.TNHE	50	1933890000

Note

For 4 mm² conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	PAP PTR2.5/4/4AN		20	1934700000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Support plates and end plates

PAP 2.5/4

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP 2.5/4	50	1896300000
blue		PAP 2.5/4 BL	50	1049210000
blue				
grey				
black				

Note

PAP 2.5/4/3AN

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP 2.5/4/3AN	50	1896480000
blue		PAP 2.5/4/3AN BL	50	1052300000
blue				
grey				
black				

Note

PAP 2.5/4/4AN

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP 2.5/4/4AN	50	1896320000
blue		PAP 2.5/4/4AN BL	50	1052290000
blue				
grey				
black				

Note

Support plates and end plates

PAP PDU6/10

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP PDU6/10	20	1896330000
blue		PAP PDU6/10 BL	50	1049200000
blue				
grey				
black				

Note

PAP PDU6/10/3AN

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP PDU6/10/3AN	20	1896340000
blue				
blue				
grey				
black				

Note

PAP 16

Technical data		
Width	mm	2.7

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP 16	10	1896290000
blue				
blue				
grey				
black				

Note

Support plates and end plates

PAP PDK 2.5/4

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP PDK 2.5/4	20	1919720000
blue				
blue				
grey				
black				

Note

PAP PMAK 4

Technical data		
Width	mm	1

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP PMAK 4	20	1221360000
blue				
blue				
grey				
black				

Note

PAP PTR2.5/4

Technical data		
Width	mm	2.5

Ordering data			
		Type	Qty.	Order No.
dark beige		PAP PTR2.5/4	20	1934680000
blue				
blue				
grey				
black				

Note

Support plates and end plates

PAP PTR2.5/4/3AN

Technical data		
Width	mm	2.5

Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PTR2.5/4/3AN	20	1934690000
blue			
blue			
grey			
black			

Note

PAP PTR2.5/4/4AN

Technical data		
Width	mm	2.5

Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PTR2.5/4/4AN	20	1934700000
blue			
blue			
grey			
black			

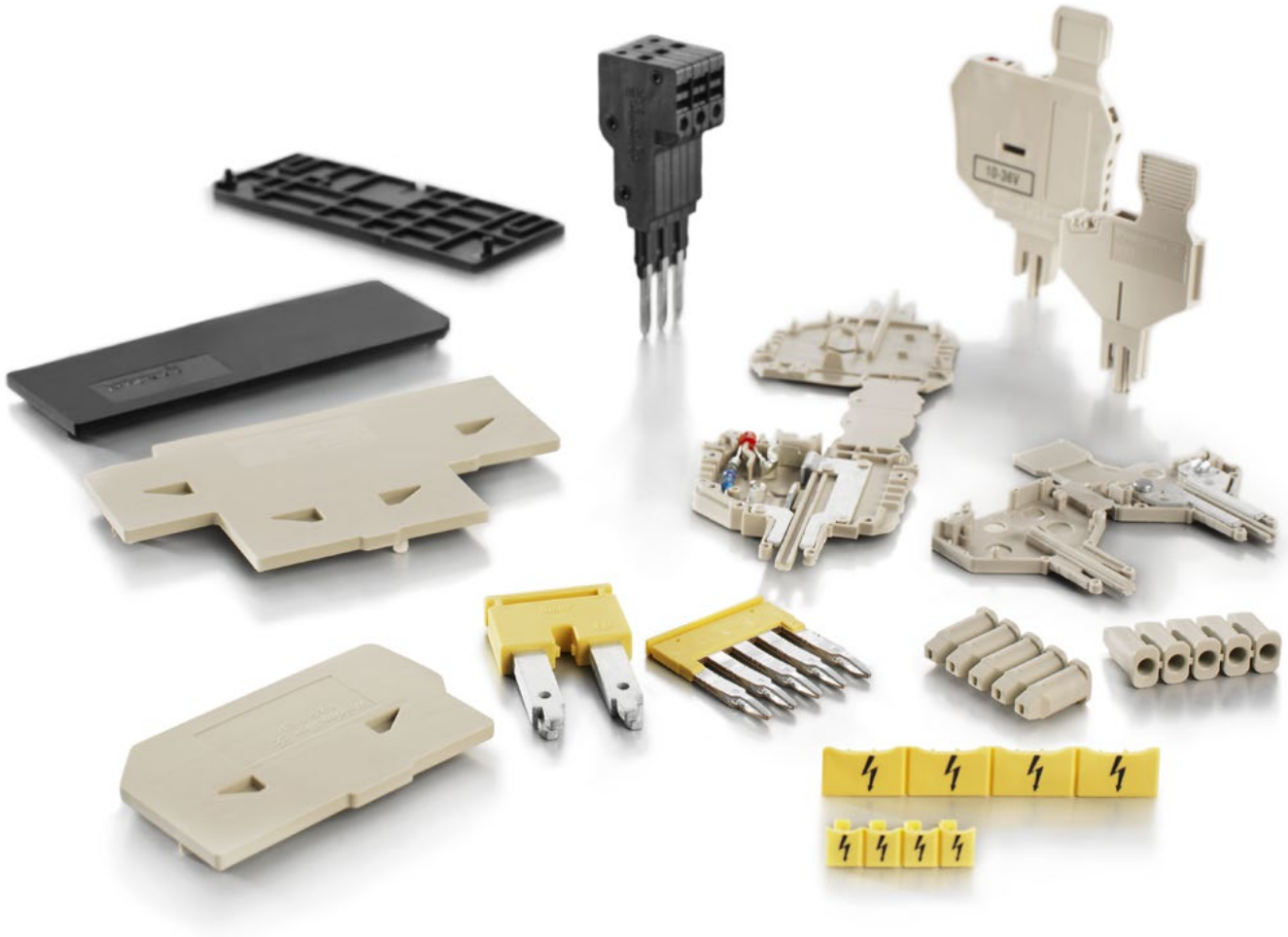
Note

PAP PTL/PSI 6/10

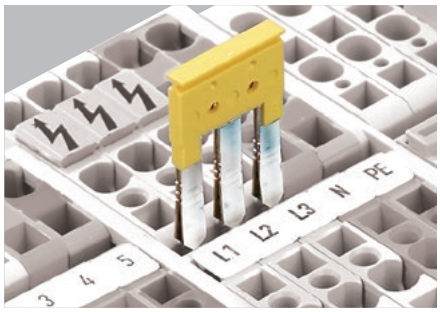
Technical data		
Width	mm	2.5

Ordering data			
	Type	Qty.	Order No.
dark beige	PAP PTL/PSI 6/10	20	1165320000
blue			
blue			
grey			
black	PAP PTL/PSI 6/10 SW	20	1165330000

Note



Plug-in cross-connection ZQV



The time-saving, easy-to-use cross-connection combs for terminals, featuring PUSH IN technology.

- **ZQV 2.5** as 2- to 10-pole combs and
- **ZQV 6/N** as 2- to 4-pole combs and
- **ZQV 16/2** as 2-pole comb (link)

These versions come with complete shock protection.

However, please note that the rated voltage is reduced to 400 V when using cross-connections. This does not apply to terminals with a rated voltage below 400 V. Here the rated voltage of the used terminal is mandatory.

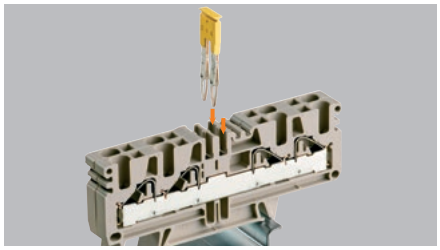
Breaking out contact elements

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

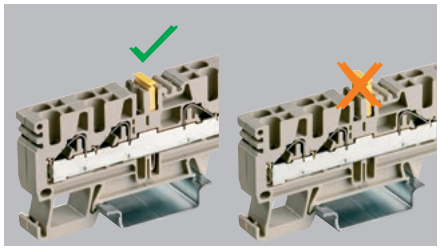
Fitting and changing cross-connections

The fitting and changing of cross-connections is a trouble-free and fast operation:

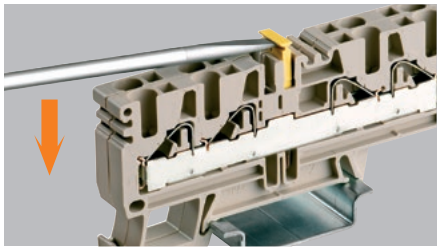
– Insert the cross-connection into the cross-connection channel in the terminal...



... and press it fully home. (The cross-connection may not project from the channel.)

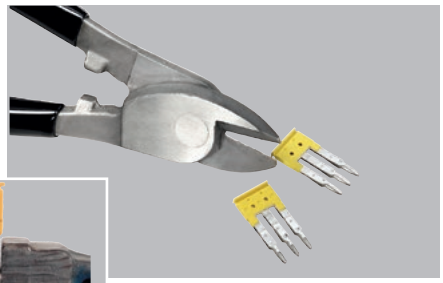


– Remove a cross-connection by simply prising it out with a screwdriver.



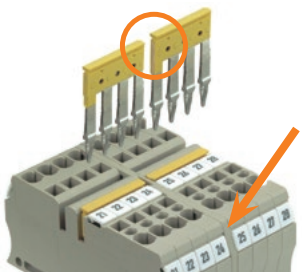
Shortening cross-connections

Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



Caution:
Contact elements must not be deformed!

Note:
In the use of manually cut ZQV cross-connections and cross-connections with bare cut edges (>10 poles), the voltage reduces to 25 V.



Electrical distribution

ZQV 2.5/20 is a cross-connector for interconnecting up to 20 terminals easily, quickly and individually.

Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
Note	

ZQV 2.5

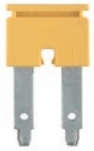
24

Type	Qty.	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	20	1908960000

ZQV 6 N

Type	Qty.	Order No.
ZQV 6N/2	60	1906210000
ZQV 6N/3	60	1906220000
ZQV 6N/4	60	1906230000
ZQV 6N/20	20	1906240000

ZQV 16/2



76

Type	Qty.	Order No.
ZQV 16/2	25	1739690000

Only with use of 2 dummy cables

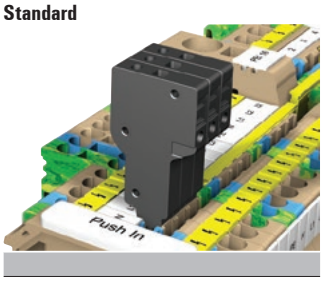
Test adapter

The PTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. Conductors with cross-sections from 0.5 mm² to 1.0 mm² can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Ordering data	
	1-pin
	with snap-in pegs

PTA

Standard



5.1 / / 19.7	
6	
250	
17.5	
1.5	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
PTA PDU2.5/4	25	**1916180000**
PTA ZA PDU2.5/4	25	**1916190000**

Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.
Packaged in sets of 100 x 10-pole strips

Technical data	
Product type	
Ordering data	
	for conductor 0,5 mm², grey
	for conductor 1 mm², dark grey

PRH 2.5/4

Reducing sleeves

Reducing sleeve		
Type	**Qty.**	**Order No.**
PRH 2.5/4/1	100	**1916410000**
PRH 2.5/4/2	100	**1916400000**

Cover

The VDE standards call for power connection terminals to be covered. For this purpose, Weidmüller can supply yellow warning PAD covers with the "lightning flash" symbol. The cover is clipped into the screwdriver slit in the terminal and each one covers a group of four terminals.

Technical data	
Product type	
Ordering data	
	Terminal width, 5,1 mm
	Terminal width, 8 mm
	Terminal width, 12 mm

PAD

Cover		
Type	**Qty.**	**Order No.**
PAD 2.5/4/4	80	**1916150000**
PAD 6/10/4	80	**1916160000**
PAD 16/4	80	**1916170000**

Label

TheBZTmarking tags enable you to label the middle of the marking channel with theWS 10/5tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

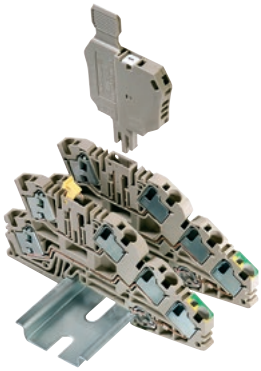
Technical data	
Product type	
Ordering data	
	one-sided, without peg
	one-sided, with peg
	two-sided, without peg

BZT 1/BZT 2

Tag carriers

Marker holder		
Type	**Qty.**	**Order No.**
BZT 1 WS 10/5	100	**1805490000**
BZT 1 ZA WS 10/5	100	**1805520000**
BZT 2 WS 10/5	100	**1805480000**

SIHA fuse holder



For 5 x 20 G-fuse cartridges
The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.

Simply remove the disconnect lever and insert the fuse plug.

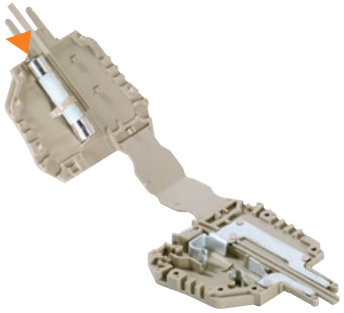
Better: order the PDL 4... OTNHE and insert the SIHA immediately.

- Simple handling without tools
- Housing made of Wemid (V0)
- Rated current 6.3 A
- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Identification position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

1. Open fuse holder with fingers or screwdriver.

2. Press out old fuse.



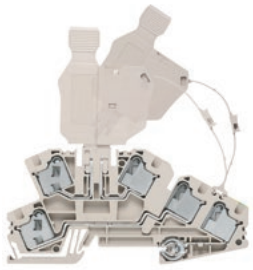
3. Position new fuse.

4. Press fuse holder together again with fingers or screwdriver.

SIHA 3

without LED		Qty.	Order No.
SIHA3/G20	400 V	1	**7921560000**
with LED (red)			
SIHA3/G20	10 - 36 V	1	**7921570000**
	35 - 70 V	1	**7921580000**
	60 - 150 V	1	**7921590000**
	140 - 250 V	1	**7921600000**
For test-disconnect terminals versions			
PTR 2.5/4...			
PDL 4 TR/...			

SIHA STRAP



with strap	Qty.	Order No.
SIHA STRAP	20	**9537680000**

Connector for retro-fit assembly
- Receptacle in the terminal is the identification position
- Integrated identification position on the strap
- Slots into fuse holder either on the left or on the right

Applications with PTR 2.5/4..., PDL 4 TR/... and SIHA 3

		Short-circuit protection		Overload and short-circuit protection	
		Nom. value		Nom. value	
		Power loss	Rated current	Power loss	Rated current
PTR 2.5/4...	Single	4.0 W	6.3 A	1.6 W	6.3 A
	Group	1.6 W	6.3 A		
PDL 4 TR/...	Single	1.6 W	6.3 A	1.6 W	6.3 A
und SIHA 3	Group	1.6 W	6.3 A		

Flexible in wiring, vibration-resistant in operation

Klippon® Connect with proven tension clamp technology

Whether in machine construction, the automotive industry or railway and shipping: wherever there is a requirement for a particularly vibration-resistant contact, tension clamp technology proves extremely reliable. At the same time, our terminal blocks with proven tension clamp technology are perfect for compact yet manageable panel construction. The wide range with numerous additional functions and pluggable terminal blocks (WeiCoS), the wide clamping range and up to two cross-connection channels make the Z-Series perfectly adaptable to all requirements. Pluggable standard cross-connections enable flexible potential distribution.

Our promise

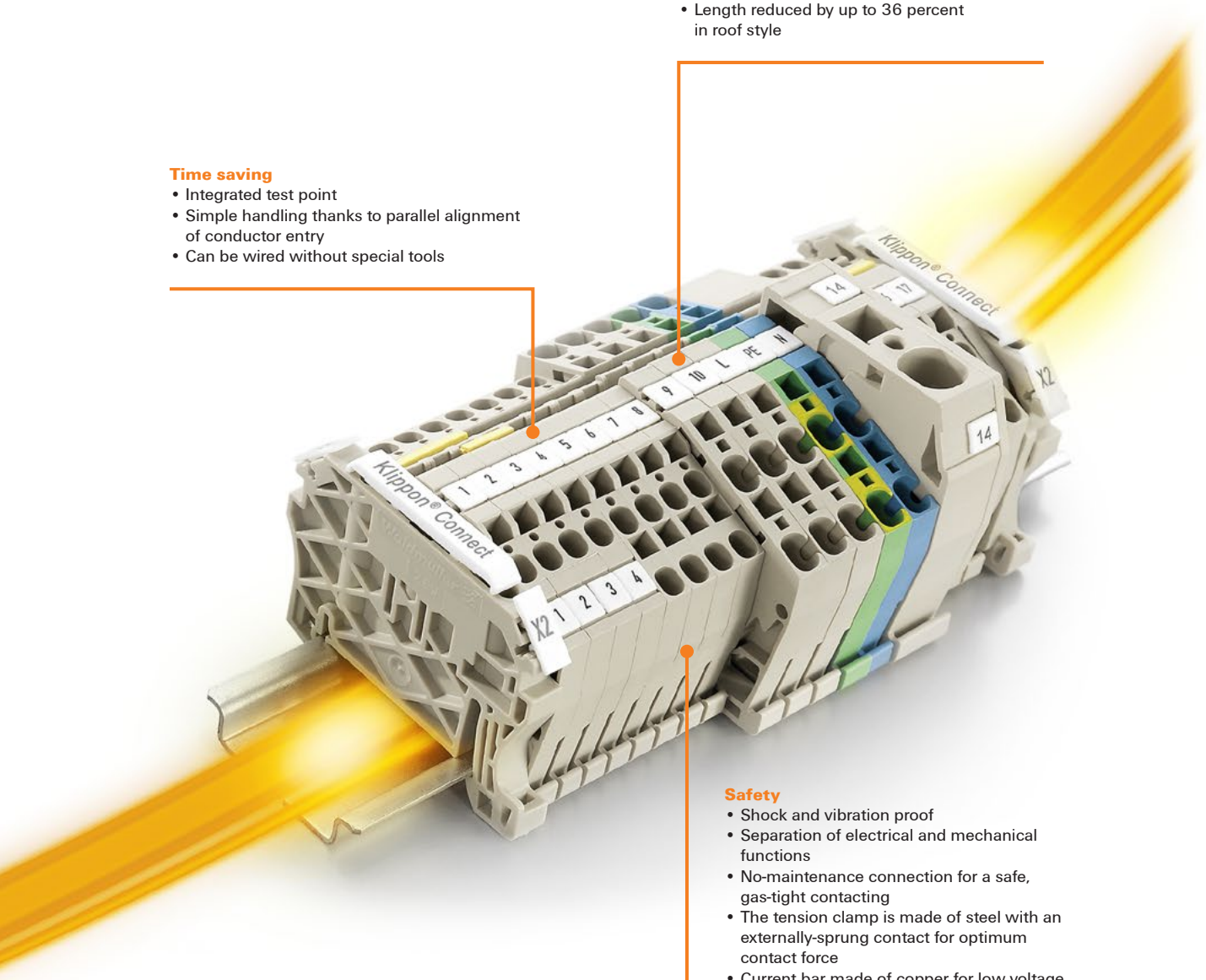
Klippon® Connect helps you reliably achieve a range of applications. Our terminal blocks with tension clamp technology are impressively compact and flexible. They contribute to highly efficient panel construction and improved productivity.

Flexibility

- Pluggable standard cross-connections for flexible potential distribution
- Secure interlocking of all plug-in connectors (WeiCoS)

Space saving
- Compact design
- Length reduced by up to 36 percent in roof style

Time saving
- Integrated test point
- Simple handling thanks to parallel alignment of conductor entry
- Can be wired without special tools



Safety
- Shock and vibration proof
- Separation of electrical and mechanical functions
- No-maintenance connection for a safe, gas-tight contacting
- The tension clamp is made of steel with an externally-sprung contact for optimum contact force
- Current bar made of copper for low voltage drops

Overview

Exceptionally practical:
The Z-Series has an impressive, practical design and comes in two variants: standard and roof. Our standard models cover wire cross-sections from 0.05 to 35 mm². Terminal blocks for wire cross-sections from 0.13 to 16 mm² are available as roof variants. The striking shape of the roof style gives a reduction in length of up to 36 percent compared to standard terminal blocks.

Simple and clear:
Despite their compact width of just 5 mm (2 connections) or 10 mm (4 connections), our block terminals guarantee absolute clarity and ease of handling thanks to the top-entry conductor feeds. This means the wiring is clear even in terminal boxes with restricted space.

	ZDUB 2.5-2/2AN/RC	2.5 mm²	ZDUB 2.5-2/4AN/RC	2.5 mm²
	Two connections		Four connections	
Width/Length/Height of lowest version mm	5.1 x 33.2 x 29		10.2 x 33.5 x 29	
max. current / max. cond. cross-section A/mm²	**30 / 4**		**30 / 4**	
Max. clamping range mm²	**0.13...4**		**0.13...4**	

Technical data

Rated data				
Rated voltage V	IEC 60947-7-1		Ex e II	II 2 G D
Rated current A	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated cross-section mm²	800	600 (C)	600 (C)	550
Rated impulse withstand voltage / Pollution severity	24	20 (C)	25 (C)	21
Gauge to IEC 60947-1 / Flammability class UL94	2.5	AWG 26...12	AWG 26...12	2.5
		8 kV / 3		
		A2 / V-0		
Approvals				KEMA 97ATEX2755 U
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	Snap-on clip			

	IEC 60947-7-1		Ex e II	II 2 G D
	IEC	**UL**	**CSA**	**EN 60079-7**
	800	600 (C)	600 (C)	550
	24	20 (C)	25 (C)	21
	2.5	AWG 26...12	AWG 26...12	2.5
		8 kV / 3		
		A2 / V-0		
				KEMA 97ATEX2755 U
	Rated connection			
	0.5...4			
	0.5...2.5 / 0.5...1.5			
	10 / 0.6 x 3.5 mm			
	Snap-on clip			

Ordering data

Central terminals	Type	Qty.	Order No.
Dark beige Wemid	ZDUB 2.5-2/2AN/RC	100	**1712820000**
Blue Wemid	ZDUB 2.5-2/2AN/RC BL	100	**1712830000**
Yellow Wemid			
Note	Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

Central terminals	Type	Qty.	Order No.
Dark beige Wemid	ZDUB 2.5-2/4AN/RC	100	**1712970000**
Blue Wemid	ZDUB 2.5-2/4AN/RC BL	100	**1712980000**
Yellow Wemid	ZDUB 2.5-2/4AN/RC GE	100	**1713000000**
Note	Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	**1677120000**
End plate / Partition plate		**Width**		
Dark beige Wemid	ZAP ZDUB	5 mm	50	**1704750000**
Blue Wemid	ZAP ZDUB BL	5 mm	50	**1704760000**
Orange PA	ZAP ZDUB OR	5 mm	50	**1704770000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	**1677120000**
End plate / Partition plate		**Width**		
Dark beige Wemid	ZAP ZDUB	5 mm	50	**1704750000**
Blue Wemid	ZAP ZDUB BL	5 mm	50	**1704760000**
Orange PA	ZAP ZDUB OR	5 mm	50	**1704770000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**

Identification systems (see assortment in catalogue 7)			
Marking tags	DEK 5/5 / WS 10/5		DEK 5/5 / WS 10/5
Note	The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).		The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

	ZDUB 2.5-2/2AN/DM	2.5 mm²	ZDUB 2.5-2/4AN/DM	2.5 mm²
	Two connections		Four connections	
Width/Length/Height of lowest version mm	5.1 x 33.5 x 24		10.2 x 33.5 x 24	
max. current / max. cond. cross-section A/mm²	30 / 4		30 / 4	
Max. clamping range mm²	0.13...4		0.13...4	

Technical data

Rated data				
Rated voltage V	IEC 60947-7-1		Ex e II	II 2 G D
Rated current A	IEC	UL	CSA	EN 60079-7
Rated cross-section mm²	800	600 (C)	600 (C)	550
Rated impulse withstand voltage / Pollution severity	24	20 (C)	25 (C)	21
Gauge to IEC 60947-1 / Flammability class UL94	2.5	AWG 26...12	AWG 26...12	2.5...
Approvals	8 kV / 3			
	A2 / V-0			
	KEMA 97ATEX2755 U			
Clamped conductors (H05V/H07V)				
Solid / stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	Direct mounting			

	IEC 60947-7-1		Ex e II	II 2 G D
	IEC	UL	CSA	EN 60079-7
	800	600 (C)	600 (C)	550
	24	20 (C)	25 (C)	21
	2.5	AWG 26...12	AWG 26...12	2.5...
	8 kV / 3			
	A2 / V-0			
	KEMA 97ATEX2755 U			
Rated connection				
	0.5...4			
	0.5...2.5 / 0.5...1.5			
	10 / 0.6 x 3.5 mm			
	Direct mounting			

Ordering data

End terminals	Type	Qty.	Order No.	Type	Qty.	Order No.
Dark beige Wemid	ZDUB 2.5-2/2AN/DB	100	1704500000	ZDUB 2.5-2/4AN/DB	100	1704690000
Blue Wemid	ZDUB 2.5-2/2AN/DB BL	100	1704510000	ZDUB 2.5-2/4AN/DB BL	100	1704700000
Yellow Wemid	ZDUB 2.5-2/2AN/DB GE	100	1704530000	ZDUB 2.5-2/4AN/DB GE	100	1704720000
Central terminals						
Dark beige Wemid	ZDUB 2.5-2/2AN/DM	100	1704350000	ZDUB 2.5-2/4AN/DM	100	1704540000
Blue Wemid	ZDUB 2.5-2/2AN/DM BL	100	1704360000	ZDUB 2.5-2/4AN/DM BL	100	1704550000
Yellow Wemid	ZDUB 2.5-2/2AN/DM GE	100	1704380000	ZDUB 2.5-2/4AN/DM GE	100	1704570000
Orange Wemid	ZDUB 2.5-2/2AN/DM OR	100	1704370000	ZDUB 2.5-2/4AN/DM OR	100	1704560000
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	1677120000	ZQB 2.5-2	24 A	50	1677120000
End plate / Partition plate		Width				Width		
Dark beige Wemid	ZAP ZDUB	5 mm	50	1704750000	ZAP ZDUB	5 mm	50	1704750000
Blue Wemid	ZAP ZDUB BL	5 mm	50	1704760000	ZAP ZDUB BL	5 mm	50	1704760000
Orange PA	ZAP ZDUB OR	5 mm	50	1704770000	ZAP ZDUB OR	5 mm	50	1704770000
Mounting blocks								
Dark beige Wemid	ZBB ZDUB	5.1 mm	50	1704740000	ZBB ZDUB	5.1 mm	50	1704740000
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	1274660000	SDIS SL 0.6X3.5X100		1	1274660000
Mounting foot for TS15 & TS35								
Dark beige Wemid	MOFU 15/35 ZDUB	5 mm	50	1723660000	MOFU 15/35 ZDUB	5 mm	50	1723660000

Identification systems (see assortment in catalogue 7)		
Marking tags	DEK 5/5 / WS 10/5	DEK 5/5 / WS 10/5
Note	The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).	The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUB 2.5-2/2AN/TS15 — 2.5 mm²

Two connections

Width/Height/Depth	5.1 x 33.5 x 31 mm
max. current / max. cond. cross-section	30 / 4 A/mm²
Max. clamping range	0.13...4 mm²

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550 V
Rated current	24	20	25	21 A
for wire cross-section	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals	KEMA97ATEX2755U			

IEC 60947-7-1 — Ex e II — II 2 G D

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

Note

TS 15 - block construction

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDUB 2.5-2/2AN/15	100	1712750000
blue	ZDUB 2.5-2/2AN/15 BL	100	1712760000
orange	ZDUB 2.5-2/2AN/15 OR	100	1712770000

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQB 2.5-2	24 A	50	1677120000
10-pole				
End plate / Partition plate				
dark beige	ZAP ZDUB		50	1704750000
Blue	ZAP ZDUB BL		50	1704760000
orange	ZAP ZDUB OR		50	1704770000
End bracket				
beige	ZEW 15		20	7920340000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUB 2.5-2/4AN/TS15 — 2.5 mm²

Four connections

Width/Height/Depth	10.2 x 33.5 x 31 mm
max. current / max. cond. cross-section	30 / 4 A/mm²
Max. clamping range	0.13...4 mm²

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550 V
Rated current	24	20	25	21 A
for wire cross-section	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals	KEMA97ATEX2755U			

IEC 60947-7-1 — Ex e II — II 2 G D

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

TS 15 - block construction

Ordering data

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/15	100	1712780000
ZDUB 2.5-2/4AN/15 BL	100	1712790000
ZDUB 2.5-2/4AN/15 OR	100	1712800000

Accessories

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUA 2.5-2 — 2.5 mm²

Two connections

5.1 x 35 x 30
30 / 4
0.13...4

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	600	600	275
24	20	20	20
2.5	AWG 26...12	AWG 26...12	2.5 mm²
	6 kV / 3		
	A2 / V-0		
			KEMA97ATEX4678U

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

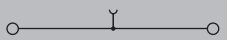
Type	Qty.	Order No.
ZDUA 2.5-2	100	1720920000
ZDUA 2.5-2 BL	100	1720930000
ZDUA 2.5-2 OR	100	1720940000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA		50	1720960000
ZAP/TW ZDUA BL		50	1720970000
ZAP/TW ZDUA OR		50	1720980000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDUA 2.5-2N — 2.5 mm²

Two connections

5.1 x 42.5 x 35
30 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	8 kV / 3		
	A2 / V-0		

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

Type	Qty.	Order No.
ZDUA 2.5-2N	100	1808200000
ZDUA 2.5-2N BL	100	1808180000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA2.5-2N		50	1808170000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Modular design

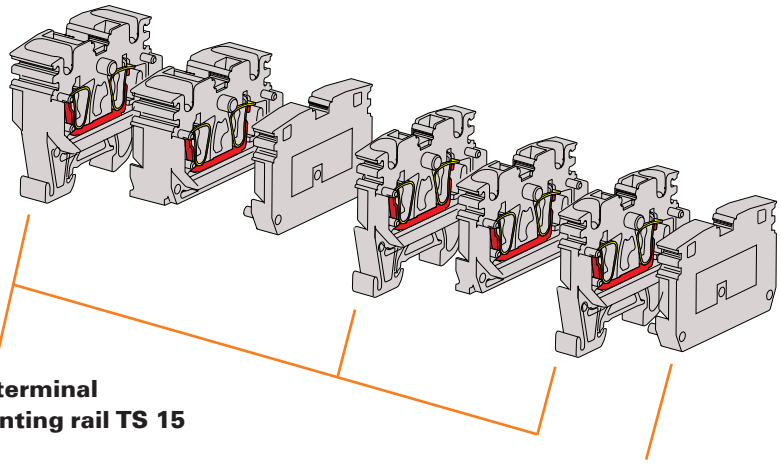
This mini-terminal family in tension clamp technology can be used to assemble individual blocks with 2- and 4-pole terminals.

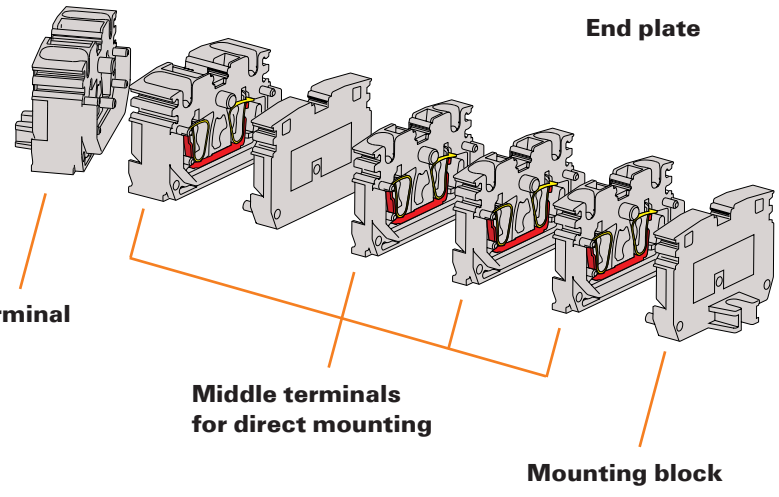
An individual colour scheme for individual connection groups allows visual differentiation between different circuits.

With a structural width of only 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees clearly organised wiring of circuits, even in terminal boxes with restricted space.

There are three different marking options for quick and clear identification of each terminal.

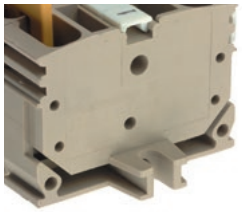
Made of Weidmüller's top quality WEMID insulation, all block terminals comply with requirements for a V0 flammability class to UL94.





Individual blocks are put together from **middle terminals** and an end plate for the open side. Screw fastening involves the first middle terminal and the **end plate** being replaced by end terminals for fastening purposes. With the other fastening variations, **middle terminals with means of fastening** are integrated within the block or a **mounting foot (MOFU)** is used for fitting to the mounting rail.

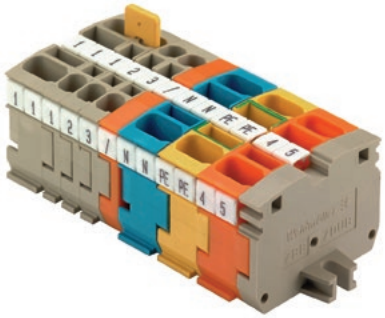
... with 4 different means of fastening



Direct mounting with screw fastening on mounting plate

The fastening terminals on the right and left of the terminal block are mounted using M3 screws. Central fastening is not possible in this case.

ZDUB 2.5-2 DM

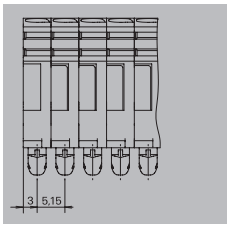


Clip-on fastening on mounting plates

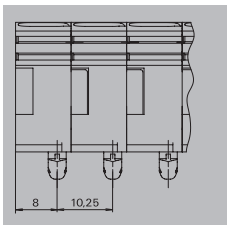
The terminals are simply clipped onto mounting plates 0.6 – 1.2 mm thick with the clips in the 3.5 mm holes. The open side of the terminal is closed by an end plate.

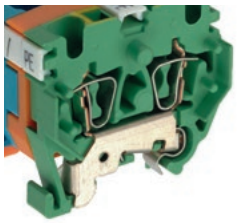
ZDUB 2.5-2 RC

Drilling plan:
ZDUB/2.5-2/2AN



ZDUB 2.5-2/4AN

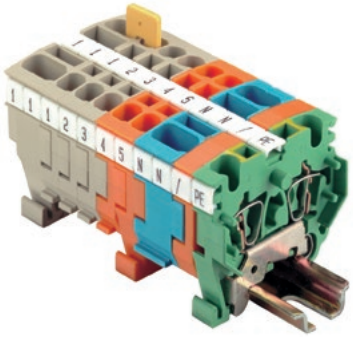


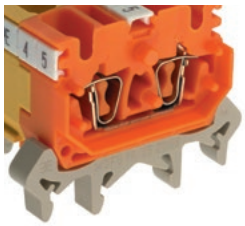


Fitting on mounting rail TS 15

For clipping on mounting rail TS 15. The open side of the terminal is closed by an end plate.

ZPEB 2.5-2 TS 15

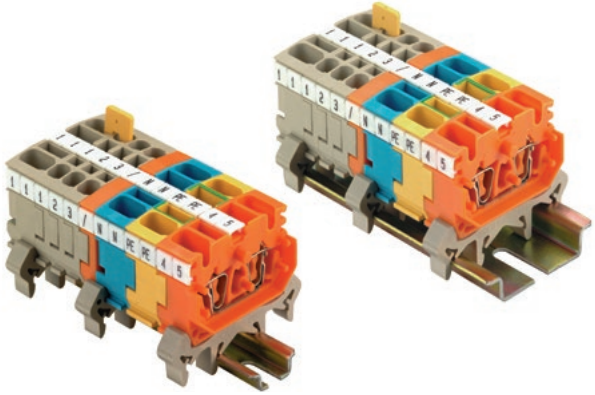


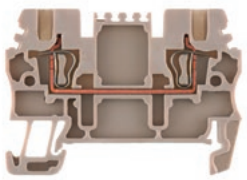
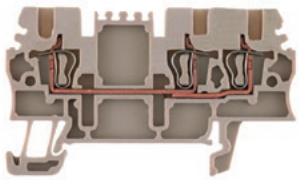


Mounting foot for mounting rail TS 15/35

The mounting foot can be used for clipping terminal blocks consisting only of middle terminals either to TS 15 or TS 35 mounting rails.

MOFU TS 15/35



	ZDU 1.5	ZDU 1.5/3 AN
	1.5 mm²	1.5 mm²
	Two connections	Three connections
		
Width/Height/Depth mm	3.5 x 51.5 x 36.5	3.5 x 63.5 x 36.5
max. current / max. cond. cross-section A/mm²	17.5 / 1.5	17.5 / 1.5
Max. clamping range mm²	0.05...1.5	0.05...1.5

Technical data

	ZDU 1.5	ZDU 1.5/3 AN
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II II 2 G D	Ex e II II 2 G D
for wire cross-section mm²	IEC: 500 / 17.5 / 1.5	IEC: 500 / 17.5 / 1.5
	UL: 300 / 15 / AWG 26...14	UL: 300 / 15 / AWG 26...14
	CSA: 300 / 20 / AWG 26...14	CSA: 300 / 20 / AWG 26...14
	EN 60079-7: 550 / 15 / 1.5 mm²	EN 60079-7: 550 / 15 / 1.5 mm²
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B1 / V-0	B1 / V-0
Approvals	KEMA01ATEX2106U	KEMA01ATEX2106U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Stripping length / Blade size mm/-	10 / 0.4 x 2.0 mm	10 / 0.4 x 2.0 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 1.5	100	1775480000
blue	ZDU 1.5 BL	100	1775490000
Note			

Type	Qty.	Order No.
ZDU 1.5/3AN	100	1775530000
ZDU 1.5/3AN BL	100	1775540000

Accessories

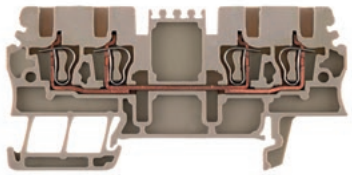
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5/2	17.5 A	60	1776120000
4-pole				
10-pole	ZQV 1.5/10	17.5 A	20	1776200000
End plate / Partition plate				
dark beige	ZAP/TW ZDU1.5/2AN		20	1776030000
Blue	ZAP/TW ZDU1.5/2AN BL		20	1776040000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 5		25	1776210000
With spigot	ZTA 5/ZA		25	1776220000
Screwdriver				
Standard	SDS 0.4X2.0X60		1	9037160000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	1781950000
For conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol	ZAD 7/4		20	1781940000
Identification systems				
	DEK 5/3.5 MC NE WS		500	1755270000
	WS 12/3.5 MC NE WS		600	1778270000
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5/2	17.5 A	60	1776120000
4-pole				
10-pole	ZQV 1.5/10	17.5 A	20	1776200000
End plate / Partition plate				
dark beige	ZAP/TW ZDU1.5/3AN		20	1776060000
Blue	ZAP/TW ZDU1.5/3AN BL		20	1776070000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 5		25	1776210000
With spigot	ZTA 5/ZA		25	1776220000
Screwdriver				
Standard	SDS 0.4X2.0X60		1	9037160000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	1781950000
For conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol	ZAD 7/4		20	1781940000
Identification systems				
	DEK 5/3.5 MC NE WS		500	1755270000
	WS 12/3.5 MC NE WS		600	1778270000
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

ZDU 1.5/4 AN — 1.5 mm²

Four connections



3.5 x 75.5 x 36.5
17.5 / 1.5
0.05...1.5

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm²
	6 kV / 3		
	B1 / V-0		

KEMA01ATEX2106U

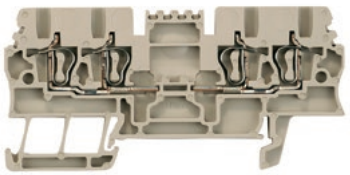
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

ZDU 1.5 2x2AN — 1.5 mm²

2 x 2 connections



3.5 x 75.5 x 36.5
17.5 / 1.5
0.05...1.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	B1 / V-0		

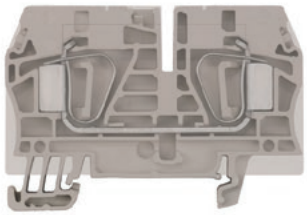
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000

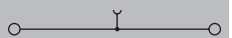
Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

ZEI 6 — 6 mm²

Supply terminal



10 x 65 x 45
57 / 10
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	8 kV / 4		
	A5 / V-0		

Rated connection
0.5...10
0.5...10 / 0.5...6
13 / 1.0 x 5.5 mm

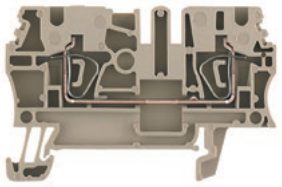
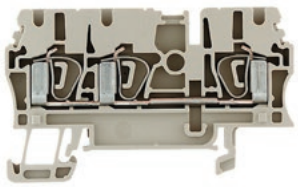
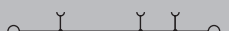
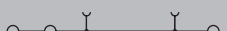
Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 6	20	1791190000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 3/4		20	1609120000
DEK 8 FSZ 1-10		500	1289660001
WS 12/6 MC NE WS		600	1609900000

The plug-in cross-connections ZQV 1.5/... can be used.

	ZDU 2.5	ZDU 2.5/3AN
	2.5 mm²	2.5 mm²
	Two connections	Three connections
		
Width/Height/Depth mm	5.1 x 59.5 x 38.5	5.1 x 64.5 x 38.5
max. current / max. cond. cross-section A/mm²	31 / 4	31 / 4
Max. clamping range mm²	0.05...4	0.05...4
		

Technical data

	ZDU 2.5	ZDU 2.5/3AN
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II	Ex e II
for wire cross-section mm²	II 2 G D	II 2 G D
Rated impulse withstand voltage / Pollution severity	IEC: 800 / UL: 600 / CSA: 600 / EN 60079-7: 550	IEC: 800 / UL: 600 / CSA: 600 / EN 60079-7: 550
Gauge to IEC 60947-1 / UL 94 flammability rating	24 / 25 / 27 / 21	24 / 25 / 27 / 21
Approvals	2.5 / AWG 30...12 / AWG 26...12 / 2.5 mm²	2.5 / AWG 30...12 / AWG 26...12 / 2.5 mm²
	8 kV / 3	8 kV / 3
	A3 / V-0	A3 / V-0
	KEMA97ATEX2521U	KEMA97ATEX2521U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5	100	1608510000
blue	ZDU 2.5 BL	100	1608520000
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5/3AN	100	1608540000
blue	ZDU 2.5/3AN BL	100	1608550000
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Accessories

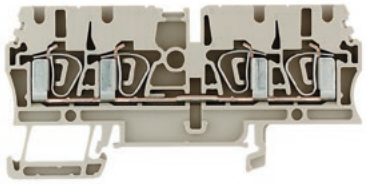
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
4-pole				
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP/TW 1		50	1608740000
Blue	ZAP/TW 1 BL		50	1608750000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 1		25	1609040000
With spigot	ZTA 1/ZA		25	1609050000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS		1000	1614300000
For conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/V0		1000	1614290000
Cover				
With lightning flash symbol	ZAD 1/4		20	1609110000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 2 DB		50	1608770000
ZAP/TW 2 BL		50	1608780000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDU 2.5/4AN — 2.5 mm²

Four connections



5.1 x 79.5 x 38.5
27 / 4
0.05...4

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

KEMA97ATEX2521U

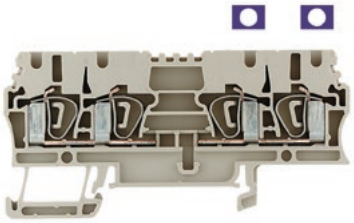
Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

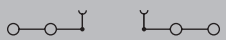
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDU 2.5/2x2AN — 2.5 mm²

Two potentials feasible



5.1 x 79.5 x 38.5
30 / 4
0.05...4



IEC 60947-7-1 — Ex e II — II 2 G D

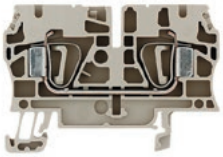
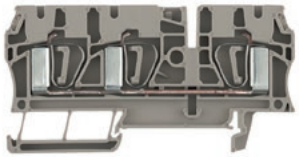
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 26...12	AWG 26...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

KEMA97ATEX2521U

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

	ZDU 4	ZDU 4/3 AN
	4 mm²	4 mm²
	Two connections	Three connections
		
Width/Height/Depth mm	6.1 x 62 x 43	6.1 x 83.5 x 43
max. current / max. cond. cross-section A/mm²	41 / 6	41 / 6
Max. clamping range mm²	0.13...6	0.13...6

Technical data

	ZDU 4	ZDU 4/3 AN
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II II 2 G D	Ex e II II 2 G D
for wire cross-section mm²	IEC: 800 / UL: 600 / CSA: 600 / EN 60079-7: 550	IEC: 800 / UL: 600 / CSA: 600 / EN 60079-7: 550
Rated impulse withstand voltage / Pollution severity	IEC: 32 / UL: 33 / CSA: 35 / EN 60079-7: 28	IEC: 32 / UL: 33 / CSA: 35 / EN 60079-7: 28
Gauge to IEC 60947-1 / UL 94 flammability rating	IEC: 4 / UL: AWG 26...10 / CSA: AWG 26...10 / EN 60079-7: 4 mm²	IEC: 4 / UL: AWG 26...10 / CSA: AWG 26...10 / EN 60079-7: 4 mm²
Approvals	8 kV / 3	8 kV / 3
	A4 / V-0	A4 / V-0
	KEMA97ATEX2521U	KEMA00ATEX2107U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...4	0.5...6 / 0.5...4
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Note	When using twin ferrules, the rated voltage is 690 V.	When using twin ferrules, the rated voltage is 690 V.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZDU 4	100	1632050000	ZDU 4/3AN	50	7904180000
blue	ZDU 4 BL	100	1632060000	ZDU 4/3AN BL	50	7904190000
Note						

Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 4/2 GE	32 A	60	1608950000	ZQV 4/2 GE	32 A	60	1608950000
4-pole								
10-pole	ZQV 4/10 GE	32 A	20	1609030000	ZQV 4/10 GE	32 A	20	1609030000
End plate / Partition plate								
dark beige	ZAP/TW 4		50	1632090000	ZAP/TW 4/3AN		20	7904100000
Blue	ZAP/TW 4 BL		50	1632100000	ZAP/TW 4/3AN BL		20	7904110000
End bracket								
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
Standard	ZTA 2 ZDU4		25	1609060000	ZTA 2 ZDU4		25	1609060000
With spigot	ZTA 2/ZA ZDU4		25	1609070000	ZTA 2/ZA ZDU4		25	1609070000
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	1274660000	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves								
For conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	1636640000	ZRH 4/1 WS		1000	1636640000
For conductors < 1.0 mm² / AWG 18								
Cover								
With lightning flash symbol	ZAD 2/4		20	1609080000	ZAD 2/4		20	1609080000
Identification systems								
	DEK 5/6 MC NE WS		1000	1609820000	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000	WS 12/6 MC NE WS		600	1609900000
	DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

ZDU 4/4 AN — 4 mm²

Four connections

6.1 x 104.5 x 43
41 / 6
0.13...6

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm²
8 kV / 3			
A4 / V-0			

KEMA00ATEX2107U

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

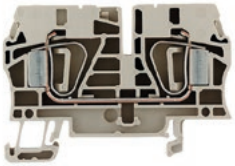
When using twin ferrules, the rated voltage is 690 V.

Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW4/4AN		20	7904210000
ZAP/TW4/4AN BL		20	7904220000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

ZDU 6 — 6 mm²

Two connections



8.1 x 65 x 45
57 / 10
0.22...10

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm²
8 kV / 3			
A5 / V-0			

KEMA97ATEX2521U

Rated connection
0.5...10
0.5...6 / 0.5...6
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

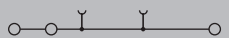
1000 V DC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 5		50	1608830000
ZAP/TW 5 BL		50	1608840000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6/3 AN — 6 mm²

Three connections

8.1 x 90 x 45
57 / 10
0.22...10



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm²
8 kV / 3			
A5 / V-0			

KEMA00ATEX2107U

Rated connection
0.5...10
0.5...6 / 0.5...6
13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

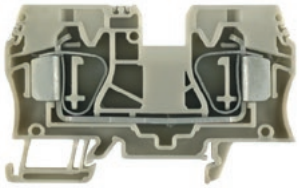
Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW6/3AN		20	7907370000
ZAP/TW6/3AN BL		20	7907380000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 10 — 10 mm²

Two connections



Width/Height/Depth	10 x 73.5 x 49.5
max. current / max. cond. cross-section	**72 / 16**
Max. clamping range	**1.31...16**

Technical data

IEC 60947-7-1 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	600	600	550
Rated current	57	60	55	50
for wire cross-section	10	AWG 16...6	AWG 16...6	10 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0	
Approvals				KEMA99ATEX5514U

Rated connection	
	1.5...16 / 1.5...16
	1.5...10 / 1.5...10
	18 / 1.0 x 5.5 mm

Note

Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 10	25	**1746750000**
blue	ZDU 10 BL	25	**1746760000**

Note

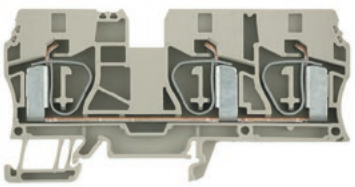
1000 VDC rated voltage tested.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 10/2	57 A	25	**1739680000**
4-pole				
End plate / Partition plate				
dark beige	ZAP/TW ZDU10		20	**1748660000**
Blue	ZAP/TW ZDU10 BL		20	**1764110000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
	PS 2.3 RT		20	**0180400000**
Screwdriver				
Standard	SDIS SL 1.0X5.5X125		1	**1274680000**
Cover				
With lightning flash symbol	ZAD 4/5		20	**1746730000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**

ZDU 10/3AN — 10 mm²

Three connections



Width/Height/Depth	10 x 99 x 49.5
max. current / max. cond. cross-section	**57 / 16**
Max. clamping range	**1.31...16**

Technical data

IEC 60947-7-1 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550
Rated current	57	60	55	50
for wire cross-section	10	AWG 16...6	AWG 16...6	10 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0	
Approvals				KEMA00ATEX2107U

Rated connection	
	1.5...16 / 1.5...16
	1.5...10 / 1.5...10
	18 / 1.0 x 5.5 mm

Note

Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10.

Ordering data

Type	Qty.	Order No.
ZDU 10/3AN	20	**1767690000**
ZDU 10/3AN BL	20	**1767700000**

1000 VDC rated voltage tested.

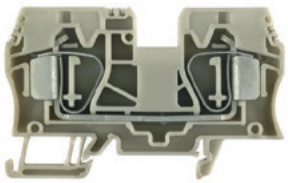
Accessories

Type	current	Qty.	Order No.
ZQV 10/2	57 A	25	**1739680000**
ZAP/TW 10/16		20	**1749580000**
ZAP/TW 10/16 BL		20	**1768520000**
ZEW 35		20	**9540000000**
PS 2.3 RT		20	**0180400000**
SDIS SL 1.0X5.5X125		1	**1274680000**
ZAD 4/5		20	**1746730000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

ZDU 16 — 16 mm²

Two connections



12.1 x 82.5 x 50.5
98 / 25
1.5...25

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm²
8 kV / 3			
A7 / V-0			

KEMA99ATEX5514U

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

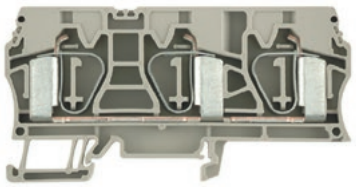
Cross-connection of ZDU 16 and ZDU 35 is possible using the ZQV 35-16. Cross-connection of ZDU 10 and ZDU 16 is possible using the ZQV 16-10.

Type	Qty.	Order No.
ZDU 16	25	1745230000
ZDU 16 BL	25	1745240000
1000 VDC rated voltage tested.		

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP/TW ZDU16		20	1745150000
ZAP/TW ZDU16 BL		20	1764100000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

ZDU 16/3 AN — 16 mm²

Three connections



12.1 x 99 x 50.5
76 / 25
1.5...25

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm²
8 kV / 3			
A7 / V-0			

KEMA00ATEX2107U

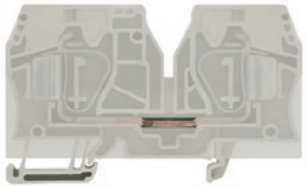
Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZDU 16/3AN	20	1768320000
ZDU 16/3AN BL	20	1768330000
1000 VDC rated voltage tested.		

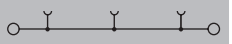
Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP/TW 10/16		20	1749580000
ZAP/TW 10/16 BL		20	1768520000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

ZEI 16 — 16 mm²

Supply terminal



14.7 x 82.5 x 50.5
76 / 25
1.5...25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
8 kV / 3			
A7 / V-0			

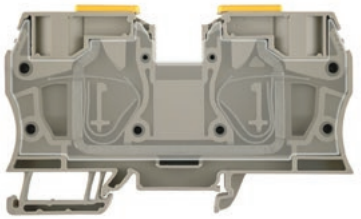
Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZEI 16	20	1745350000
ZEI 16 BL	20	1766240000
Integrated end plate.		

Type	current	Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 6/4 GE	41 A	60	1627870000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

ZDU 35 — 35 mm²

Two connections



Width/Height/Depth	mm	16 x 100.5 x 58.5
max. current / max. cond. cross-section	A/mm²	**125 / 35**
Max. clamping range	mm²	**2.5...35**

Technical data

Rated data				
Rated voltage	V	800	600	690
Rated current	A	125	120	109
for wire cross-section	mm²	35	AWG 12...2	AWG 12...2	35 mm²
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A8 / V-0		
Approvals				KEMA00ATEX2107U
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²	2.5...16 / 2.5...35		
Flexible / Flexible with ferrule	mm²	2.5...35 / 2.5...35		
Stripping length / Blade size	mm/-	25 / 1.0 x 5.5 mm		

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7

Rated connection

Note

Cross-connection of ZDU 10 and ZDU 35 is possible using the ZQV 35-10. Cross-connection of ZDU 16 and ZDU 35 is possible using the ZQV 35-16.

Ordering data

Version		Type	Qty.	Order No.
	dark beige	ZDU 35	10	**1739620000**
	blue	ZDU 35 BL	10	**1739630000**

Note

End plate is integrated.1000 VDC rated voltage tested.

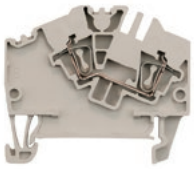
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 35/2	105 A	10	**1739700000**
4-pole				
End plate / Partition plate				
dark beige				
Blue				
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SL 1.0X5.5X125		1	**1274680000**
Cover				
With lightning flash symbol	ZAD 6/5		20	**1752620000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 15/5 MC NE WS		480	**1609880000**

For detailed information on other accessories and application in the online catalogue

ZDU 2.5-2 — 2.5 mm²

Two connections



Width/Height/Depth	5.1 x 50.5 x 43 mm
max. current / max. cond. cross-section	24 / 4 A/mm²
Max. clamping range	0.13...4 mm²

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Note

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	24	24	21
2.5	AWG 26...12	AWG 26...12	2.5 mm²
	8 kV / 3		
	A2 / V-0		
			KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	dark beige
	blue

Note

Type	Qty.	Order No.
ZDU 2.5-2	100	1772060000
ZDU 2.5-2 BL	100	1772070000

Rated voltage is reduced to 400 V when using the cross-connector.

Accessories

Pluggable cross-connection			
	2-pole		
	10-pole		
End plate / Partition plate			
	dark beige		
	Blue		
End bracket			
	dark beige		
Test adapter			
	With spigot		
Screwdriver			
	Standard		
Reducing sleeves			
	For conductors < 0.5 mm² / AWG 20		
	For conductors < 1.0 mm² / AWG 18		
Cover			
	With lightning flash symbol		
Identification systems			

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 2.5-2/3AN — 2.5 mm²

Three connections

Width/Height/Depth	5.1 x 50.5 x 43 mm
max. current / max. cond. cross-section	24 / 4 A/mm²
Max. clamping range	0.13...4 mm²

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm²
	8 kV / 3		
	A2 / V-0		
			KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/3AN	100	1706010000
ZDU 2.5-2/3AN BL	100	1706040000

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 2.5-2/4AN — 2.5 mm²

Four connections

5.1 x 50.5 x 43
24 / 4
0.13...4

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm²
8 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/4AN	100	1706060000
ZDU 2.5-2/4AN BL	100	1706070000

The wire cross section is decreased to 1.5 mm² when using the ZQB 2.5 for single core and finely stranded wires.

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 4-2 — 4 mm²

Two connections

6.1 x 61.5 x 45.5
32 / 6
0.13...6

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm²
8 kV / 3			
A3 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/2AN	100	1770370000
ZDU 4-2/2AN BL	100	1770840000

Rated voltage is reduced to 400 V when using the cross-connector.

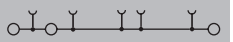
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP ZDU4-2		50	1770400000
ZAP ZDU4-2 BL		50	1770880000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZAD 1/4		20	1609110000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

ZDU 4-2/3AN — 4 mm²

Three connections

6.1 x 61.5 x 45.5
38 / 6
0.13...6



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm²
8 kV / 3			
A3 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/3AN	100	1770360000
ZDU 4-2/3AN BL	100	1770860000

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP ZDU4-2		50	1770400000
ZAP ZDU4-2 BL		50	1770880000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZAD 1/4		20	1609110000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

	ZDU 4-2/3AN LSC	4 mm²	ZDU 4-2/4AN	4 mm²
	Three connections		Four connections	
Width/Height/Depth mm	6.1 x 61.5 x 45.5		6.1 x 75.1 x 45.5	
max. current / max. cond. cross-section A/mm²	**38 / 6**		**32 / 6**	
Max. clamping range mm²	**0.13...6**		**0.13...6**	

Technical data

Rated data				
	IEC 60947-7-1			
	IEC	UL	CSA	EN 60079-7
Rated voltage V	800			
Rated current A	32			
for wire cross-section mm²	4			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...6			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note	The ZDU 4-2/3AN LSC version can be mounted on a 40 mm Lütze frame.			

Rated data				
	IEC 60947-7-1		Ex e II	II 2 G D
	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	550
Rated current A	32	33	35	28
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			KEMA97ATEX4677U
Rated connection				
	0.5...6			
	0.5...4 / 0.5...4			
	10 / 0.6 x 3.5 mm			

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 4-2/3AN LSC	100	**1790520000**
blue	ZDU 4-2/3AN LSC BL	100	**1804880000**
Note	Rated voltage is reduced to 400 V when using the cross-connector.		

Type	Qty.	Order No.
ZDU 4-2/4AN	100	**1806980000**
ZDU 4-2/4AN BL	100	**1806990000**
Rated voltage is reduced to 400 V when using the cross-connector.		

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
4-pole				
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate				
dark beige	ZAP ZDU4-2		50	**1770400000**
Blue	ZAP ZDU4-2 BL		50	**1770880000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 6/ZA		25	**1780660000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Cover				
With lightning flash symbol	ZAD 1/4		20	**1609110000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP ZDU4-2/4AN		50	**1807010000**
ZAP ZDU4-2/4AN BL		50	**1807020000**
ZEW 35		20	**9540000000**
ZTA 6/ZA		25	**1780660000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZAD 1/4		20	**1609110000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

ZDU 6-2/2AN — 6 mm²

Two connections

8.1 x 68 x 49.5
41 / 10
0.22...10

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm²
	8 kV / 3		
	A5 / V-0		

KEMA97ATEX4677U

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/2AN	50	1771380000
ZDU 6-2/2AN BL	50	1771390000

Rated voltage is reduced to 400 V when using the cross-connector.1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6-2/3AN — 6 mm²

Three connections

8.1 x 68 x 49.5
41 / 10
0.22...10

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm²
	8 kV / 3		
	A5 / V-0		

KEMA97ATEX4677U

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/3AN	50	1771410000
ZDU 6-2/3AN BL	50	1771420000

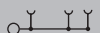
Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZEI 16-2 /1 AN — 16 mm²

Supply terminal

14 x 61.5 x 50.5
76 / 25
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

Rated connection
1.5...10 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 16-2/1AN	20	1772940000
ZEI 16-2/1AN BL	20	1772950000

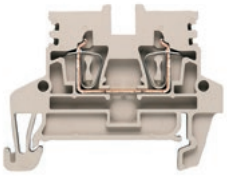
End plate is integrated.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 2/4		20	1609080000
DEK 8 FSZ 1-10		500	1289660001

The plug-in cross-connections ZQV 2.5/..., ZQV 4/... and ZQV 6/... can be used.

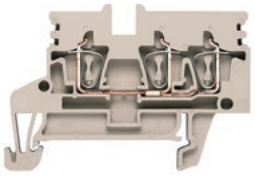
ZDU 2.5N — 2.5 mm²

Two connections

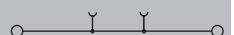


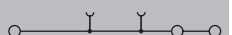
ZDU 2.5N/3AN — 2.5 mm²

Three connections



		ZDU 2.5N	ZDU 2.5N/3AN
Width/Height/Depth	mm	5.1 x 50.5 x 38.5	5.1 x 56.5 x 38.5
max. current / max. cond. cross-section	A/mm²	24 / 4	24 / 4
Max. clamping range	mm²	0.05...4	0.05...4





Technical data

Rated data		ZDU 2.5N	ZDU 2.5N/3AN
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	II 2 G D	II 2 G D
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	300	300	550	800	300	300	550
24	20	24	20.5	24	20	24	21.5
2.5	AWG 30...12	AWG 30...12	2.5 mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²
	6 kV / 3				6 kV / 3		
	A2 / V-0				A2 / V-0		
			KEMA06ATEX0271U				KEMA06ATEX0271U

Rated connection	ZDU 2.5N	ZDU 2.5N/3AN
	0.5...4 / 1.5...2.5	0.5...4 / 1.5...2.5
	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version

dark beige
blue

Note

Type	Qty.	Order No.
ZDU 2.5N	50	1933700000
ZDU 2.5N BL	50	1933710000

Type	Qty.	Order No.
ZDU 2.5N/3AN	50	1933720000
ZDU 2.5N/3AN BL	50	1933730000

Accessories

Pluggable cross-connection

2-pole
10-pole

End plate / Partition plate

dark beige

End bracket

dark beige

Test adapter

Standard
With spigot

Screwdriver

Standard

Reducing sleeves

For conductors < 0.5 mm² / AWG 20
For conductors < 1.0 mm² / AWG 18

Cover

With lightning flash symbol

Identification systems

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N		20	1933790000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

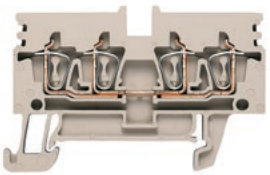
For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

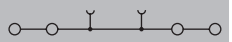
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDU 2.5N/4AN — 2.5 mm²

Four connections



5.1 x 60 x 38.5
24 / 4
0.05...4



IEC 60947-7-1 — II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm²
	6 kV / 3		
	A2 / V-0		
			KEMA06ATEX0271U

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

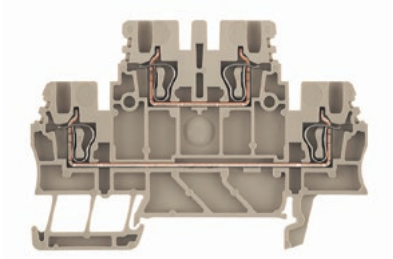
Type	Qty.	Order No.
ZDU 2.5N/4AN	50	**1933740000**
ZDU 2.5N/4AN BL	50	**1933750000**

Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/10	24 A	20	**1608940000**
ZAP/TW ZDU/ZPE 2.5N/4AN		50	**1933810000**
ZEW 35		20	**9540000000**
ZTA ZT2.5		25	**1827080000**
ZTA ZT2.5/ZA		25	**1847600000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
ZAD 9/4		20	**1934160000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 M MC NE WS		720	**1792000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

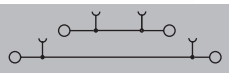
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 1.5 — 1.5 mm²

Double-level terminal

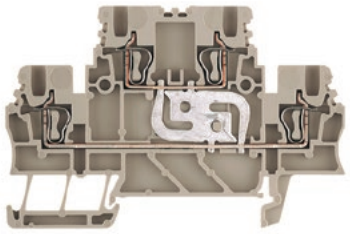


Width/Height/Depth	3.5 x 75.5 x 49.5
max. current / max. cond. cross-section	**17.5 / 1.5**
Max. clamping range	**0.05...1.5**



ZDK 1.5V — 1.5 mm²

Vertically cross-connected double-level terminal



Width/Height/Depth	3.5 x 75.5 x 49.5
max. current / max. cond. cross-section	**17.5 / 1.5**
Max. clamping range	**0.05...1.5**

Technical data

Rated data		ZDK 1.5	ZDK 1.5V
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Stripping length / Blade size	mm/-		
Note			

IEC	UL	CSA	EN 60079-7
500	300	600	
17.5	10	10	
1.5	AWG 28...16	AWG 28...16	
	6 kV / 3		
	B1 / V-0		

CE, cULus, EAC

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

IEC	UL	CSA	EN 60079-7
500	300	600	
17.5	10	10	
1.5	AWG 28...16	AWG 28...16	
	6 kV / 3		
	B1 / V-0		

CE, cULus, EAC

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

Ordering data

Version	ZDK 1.5			ZDK 1.5V		
	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZDK 1.5	100	**1791100000**	ZDK 1.5V	100	**1791130000**
blue	ZDK 1.5 BL	100	**1791110000**	ZDK 1.5V BL	100	**1791140000**
Note						

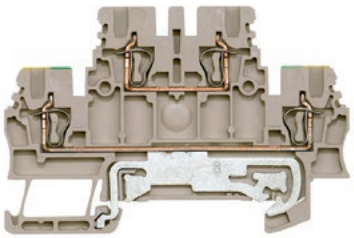
Accessories

	ZDK 1.5				ZDK 1.5V			
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 1.5/2	17.5 A	60	**1776120000**	ZQV 1.5/2	17.5 A	60	**1776120000**
10-pole	ZQV 1.5/10	17.5 A	20	**1776200000**	ZQV 1.5/10	17.5 A	20	**1776200000**
End plate / Partition plate								
dark beige	ZAP/TW ZDK1.5		20	**1791160000**	ZAP/TW ZDK1.5		20	**1791160000**
Blue	ZAP/TW ZDK1.5 BL		20	**1791170000**	ZAP/TW ZDK1.5 BL		20	**1791170000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter								
Standard	ZTA 5		25	**1776210000**	ZTA 5		25	**1776210000**
With spigot	ZTA 5/ZA		25	**1776220000**	ZTA 5/ZA		25	**1776220000**
Screwdriver								
Standard	SDS 0.4X2.0X60		1	**9037160000**	SDS 0.4X2.0X60		1	**9037160000**
Reducing sleeves								
For conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	**1781950000**	ZRH 1.5S/1		500	**1781950000**
For conductors < 1.0 mm² / AWG 18								
Identification systems								
	DEK 5/3.5 MC NE WS		500	**1755270000**	DEK 5/3.5 MC NE WS		500	**1755270000**
	DEK 5/3.5 MM WS		1000	**2007100000**	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**	WS 8/3.5 MM WS		1000	**2007140000**
Cover								
With lightning flash symbol	ZAD 7/4		20	**1781940000**	ZAD 7/4		20	**1781940000**

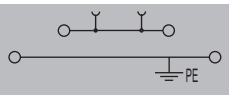
For detailed information on other accessories and application in the online catalogue

ZDK 1.5 DU-PE — 1.5 mm²

Double-level terminal (DU-PE)



3.5 x 75.5 x 49.5
17.5 / 1.5
0.05...1.5



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300		
17.5	10		
1.5	AWG 28...16	AWG 28...16	
	6 kV / 3		
	B1 / V-0		

CE GL cULus EAC

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
10 / 0.4 x 2.0 mm

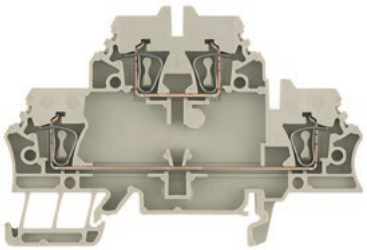
Type	Qty.	Order No.
ZDK 1.5DU-PE	100	**1791120000**

Upper level: feed-through terminal
Lower level: PE terminal

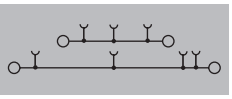
Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	**1776120000**
ZQV 1.5/10	17.5 A	20	**1776200000**
ZAP/TW ZDK1.5		20	**1791160000**
ZAP/TW ZDK1.5 BL		20	**1791170000**
ZEW 35		20	**9540000000**
ZTA 5		25	**1776210000**
ZTA 5/ZA		25	**1776220000**
SDS 0.4X2.0X60		1	**9037160000**
ZRH 1.5S/1		500	**1781950000**
DEK 5/3.5 MC NE WS		500	**1755270000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
ZAD 7/4		20	**1781940000**

ZDK 2.5 — 2.5 mm²

Double-level terminal



Width/Height/Depth	5.1 x 79.5 x 53 mm
max. current / max. cond. cross-section	20 / 2.5 A/mm²
Max. clamping range	0.05...2.5 mm²



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			
KEMA97ATEX4677U			

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version

Type	Qty.	Order No.
ZDK 2.5 (dark beige)	50	1674300000
ZDK 2.5 BL (blue)	50	1678630000

Note

ZBS 1 component plug ZBS 1 can be used for LED (1764550000).

Accessories

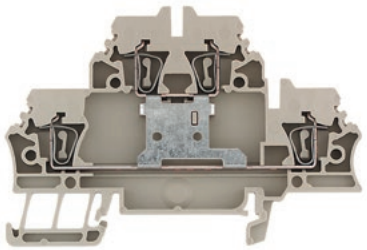
Type	current	Qty.	Order No.
Pluggable cross-connection			
ZQV 2.5/2 (2-pole)		60	1608860000
ZQV 2.5/10 (10-pole)	24 A	20	1608940000
End plate / Partition plate			
ZAP/TW ZDK2.5 (dark beige)		20	1674730000
ZAP/TW ZDK2.5 BL (Blue)		20	1748800000
End bracket			
ZEW 35 (dark beige)		20	9540000000
Test adapter			
ZTA ZDK 2.5 (Standard)		5	1052660000
ZTA ZDK 2.5/ZA (With spigot)		5	1052680000
Screwdriver			
SDIS SL 0.6X3.5X100 (Standard)		1	1274660000
Reducing sleeves			
ZRH 1.5H/1 (For conductors < 0.5 mm² / AWG 20)		1000	1678810000
ZRH 1.5H/2 (For conductors < 1.0 mm² / AWG 18)		1000	1678800000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Cover			
With lightning flash symbol			

For detailed information on other accessories and application in the online catalogue

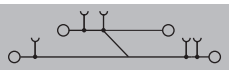
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5 V — 2.5 mm²

Vertically cross-connected double-level terminal



Width/Height/Depth	5.1 x 79.5 x 53 mm
max. current / max. cond. cross-section	20 / 2.5 A/mm²
Max. clamping range	0.05...2.5 mm²



Technical data

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			
KEMA97ATEX4677U			

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

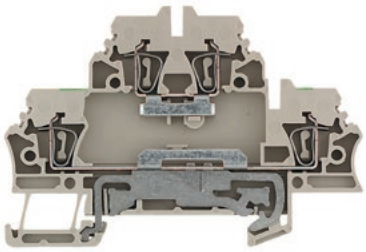
Type	Qty.	Order No.
ZDK 2.5V	50	1689990000
ZDK 2.5V BL	50	1745880000

Accessories

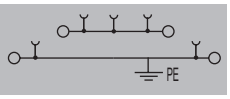
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5 DU-PE — 2.5 mm²

Phase - PE conductor



5.1 x 79.5 x 53
24 / 2.5
0.05...2.5



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

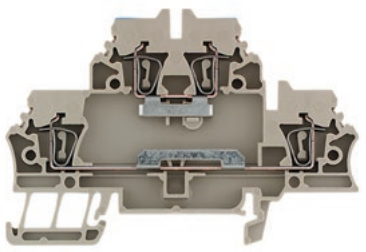
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5DU-PE	50	1689970000

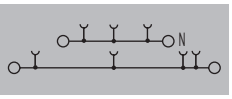
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5 N-DU — 2.5 mm²

Neutral conductor - phase



5.1 x 79.5 x 53
23 / 2.5
0.05...2.5



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

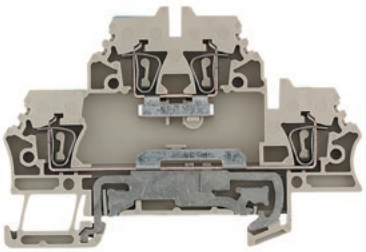
Type	Qty.	Order No.
ZDK 2.5N-DU	50	1689960000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

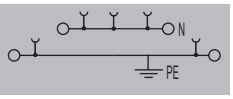
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5 N-PE — 2.5 mm²

Neutral & PE conductor



5.1 x 79.5 x 53
24 / 2.5
0.05...2.5



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm²
6 kV / 3			
A2 / V-0			

KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

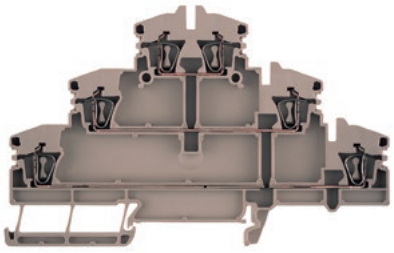
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-PE	50	1689980000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

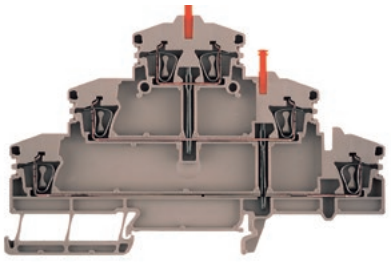
ZDLD 2.5-2 N — 2.5 mm²

Three levels

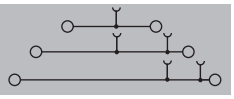


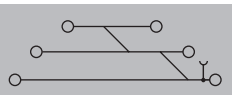
ZDLD 2.5-2 VN — 2.5 mm²

Vertically cross-connected multi-level terminal



		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Width/Height/Depth	mm	5.1 x 110.5 x 69	5.1 x 110.5 x 69
max. current / max. cond. cross-section	A/mm²	20 / 2.5	20 / 2.5
Max. clamping range	mm²	0.08...2.5	0.08...2.5





Technical data

Rated data		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			

IEC	UL	CSA	EN 60079-7
500	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

IEC	UL	CSA	EN 60079-7
400	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Clamped conductors (H05V/H07V)		ZDLD 2.5-2 N	ZDLD 2.5-2 VN
Solid / Stranded	mm²	0.5...2.5	0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note	ZDLD 2.5-2 N	ZDLD 2.5-2 VN
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDLD 2.5-2N	50	1782300000
blue	ZDLD 2.5-2N BL	50	1782310000

Version	Type	Qty.	Order No.
dark beige	ZDLD 2.5-2VN	25	1782320000
blue	ZDLD 2.5-2VN BL	25	1782330000

Accessories

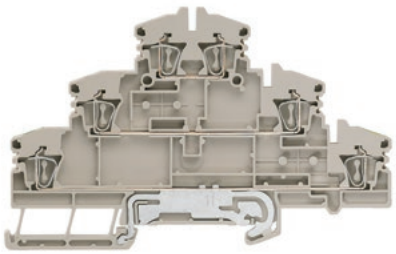
	Type	current	Qty.	Order No.
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	23 A	50	1720700000
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP/TW ZDLD2.5-2N		20	1782340000
Blue	ZAP/TW ZDLD2.5-2N BL		20	1782350000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 4		25	1688110000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
With "swifty set" cutting device	SWIFTY SET		1	9006060000
Reducing sleeves				
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type	current	Qty.	Order No.
	ZQV 2.5/2		60	1608860000
	ZQV 2.5/10	24 A	20	1608940000
	ZAP/TW ZDLD2.5-2N		20	1782340000
	ZAP/TW ZDLD2.5-2N BL		20	1782350000
	ZEW 35		20	9540000000
	ZTA 4		25	1688110000
	SDIS SL 0.6X3.5X100		1	1274660000
	SWIFTY SET		1	9006060000
	ZRH 1.5H/2		1000	1678800000
	ZRH 1.5H/1		1000	1678810000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

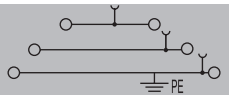
For detailed information on other accessories and application in the online catalogue

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDLD 2.5-2 N PE/L/L — 2.5 mm²



5.1 x 110.5 x 69
/ 2.5
0.08...2.5



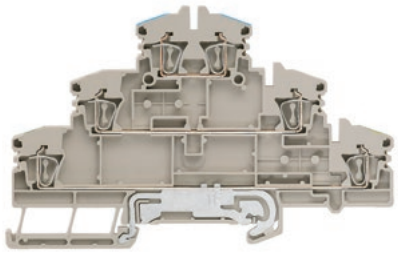
IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

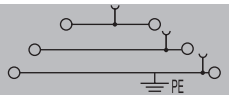
Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/L	50	1131750000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE/L/N — 2.5 mm²



5.1 x 110.5 x 69
/ 2.5
0.08...2.5



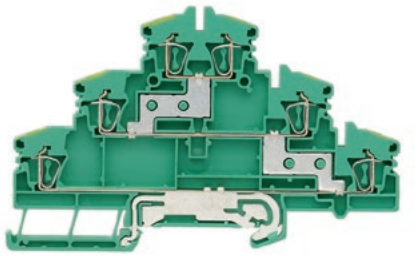
IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

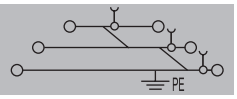
Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/N	50	1131760000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDLD 2.5-2 N PE — 2.5 mm²



5.1 x 110.5 x 69



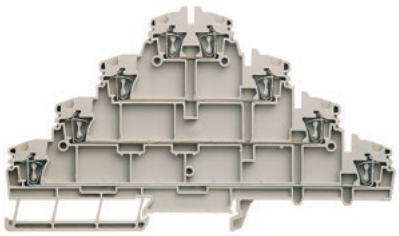
IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	
	/ V-0		

Rated connection

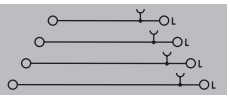
Type	Qty.	Order No.
ZDLD 2.5-2N PE	50	1131740000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZVLD 2.5 — 2.5 mm²



Width/Height/Depth	5.1 x 148 x 85
max. current / max. cond. cross-section	/ 2.5
Max. clamping range	0.14...2.5



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	250			
Rated current (A)	20			
for wire cross-section (mm²)	2.5			
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule (mm²)	0.5...2.5 / 0.5...2.5
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZVLD 2.5	50	1208920000

Note

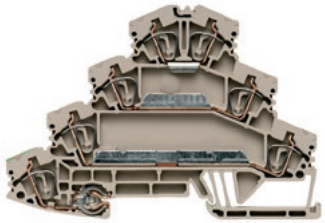
Accessories

	Type	current	Qty.	Order No.
Vertical jumpers				
1-pole	ZVQ 2.5/1.5	23 A	50	1720700000
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP ZVLD 2.5		10	1210410000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Test adapter				
Standard	ZTA ZVLD		10	1210390000
With spigot	ZTA ZVLD/ZA		50	1271870000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

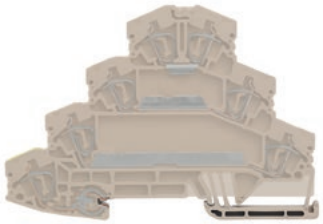
ZMAK 2.5 — 2.5 mm²

Motor-supply terminal

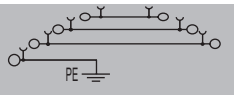


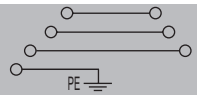
ZMAK 2.5 690 V — 2.5 mm²

Motor-supply terminal



		ZMAK 2.5	ZMAK 2.5 690 V
Width/Height/Depth	mm	5.1 x 102 x 69.5	6.1 x 102 x 69.5
max. current / max. cond. cross-section	A/mm²	**31 / 4**	**31 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**





Technical data

Rated data		ZMAK 2.5	ZMAK 2.5 690 V
Rated voltage	V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			

IEC	UL	CSA	EN 60079-7
400	300	300	
24	25	25	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

IEC	UL	CSA	EN 60079-7
690	300		
24	25		
2.5	AWG 26...12		
	6 kV / 3		
	A3 / V-0		

Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Stripping length / Blade size	mm/-		

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note

Ordering data

Version		ZMAK 2.5	ZMAK 2.5 690 V
	dark beige		

Type	Qty.	Order No.
ZMAK 2.5	25	**1768000000**

Type	Qty.	Order No.
ZMAK 2.5 690V	25	**1027550000**

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!

Note

Accessories

End plate / Partition plate		ZMAK 2.5	ZMAK 2.5 690 V
	dark beige		
End bracket			
	dark beige		
Screwdriver			
	Standard		
Reducing sleeves			
	For conductors < 0.5 mm² / AWG 20		
	For conductors < 1.0 mm² / AWG 18		
Test adapter			
	Standard		
Identification systems			

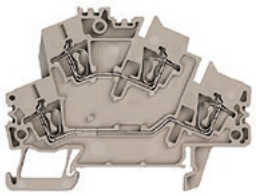
Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	**1768010000**
ZEW 35		20	**9540000000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
ZTA 1		25	**1609040000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	**1768010000**
ZEW 35		20	**9540000000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

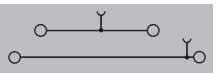
For detailed information on other accessories and application in the online catalogue

ZDK 2.5-2 — 2.5 mm²

Double-level terminal



Width/Height/Depth	5.1 x 72.5 x 54.5 mm
max. current / max. cond. cross-section	24 / 4 A/mm²
Max. clamping range	0.05...4 mm²



Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	550
Rated current	24	20	25	20
for wire cross-section	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals	IEC 60947-1			II 2 G D
	KEMA97ATEX4677U			

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Rated connection
0.5...4
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	dark beige
	blue

Type	Qty.	Order No.
ZDK 2.5-2	50	1790990000
ZDK 2.5-2 BL	50	1791000000

Note

Rated voltage is reduced to 400 V when using the cross-connector.

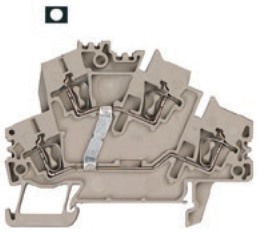
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	ZAP/TW ZDK2.5-2		20	1791050000
Blue	ZAP/TW ZDK2.5-2 BL		20	1791060000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 4		25	1688110000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Cover				
With lightning flash symbol	ZAD 1/4-2 GE		20	1764560000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

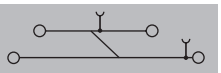
For detailed information on other accessories and application in the online catalogue

ZDK 2.5-2V — 2.5 mm²

Vertical cross-connected double-level terminal



Width/Height/Depth	5.1 x 72.5 x 54.5 mm
max. current / max. cond. cross-section	24 / 4 A/mm²
Max. clamping range	0.05...4 mm²



Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	300	550
Rated current	24	20	25	22
for wire cross-section	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals	IEC 60947-1			II 2 G D
	KEMA97ATEX4677U			

Rated connection
0.5...4
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Type	Qty.	Order No.
ZDK 2.5-2V	50	1791030000
ZDK 2.5-2V BL	50	1791040000

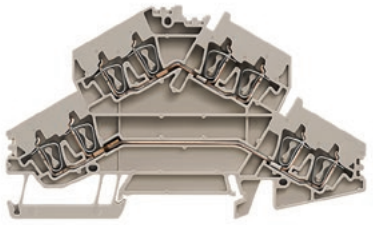
Rated voltage is reduced to 400 V when using the cross-connector.

Accessories

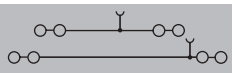
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2		20	1791050000
ZAP/TW ZDK2.5-2 BL		20	1791060000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5-2/4 — 2.5 mm²

Double-level terminal



Width/Height/Depth	mm	5.1 x 104 x 62
max. current / max. cond. cross-section	A/mm²	**26 / 4**
Max. clamping range	mm²	**0.05...4**



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	600	600	
Rated current	A	22	20	20	
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	
Rated impulse withstand voltage / Pollution severity			8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Note	
	2.5 mm² conductor with wire-end ferrules and plastic collar, with the collar optimised for diameter only (Order No. 1333100000 + 9004080000).

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5-2/4AN	50	**1394040000**
blue	ZDK 2.5-2/4AN BL	50	**1480270000**

Note	

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK2.5-2/4AN		20	**1394050000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA ZT2.5/ZA		25	**1847600000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 1/4-2 GE		20	**1764560000**
Identification systems				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

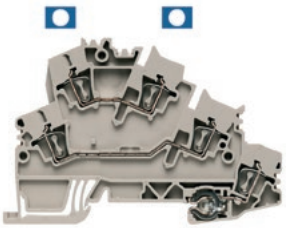
For detailed information on other accessories and application in the online catalogue	

ZDKPE 2.5-2 — 2.5 mm²

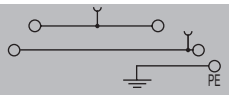
Double-tier terminal with one-sided PE connection

ZDKPE 2.5-2/N/L/PE — 2.5 mm²

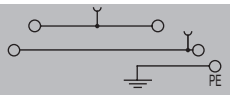
Double-tier terminal with one-sided PE connection



Width/Height/Depth	mm	5.1 x 89.5 x 59.5
max. current / max. cond. cross-section	A/mm²	24 / 4
Max. clamping range	mm²	0.05...4



Width/Height/Depth	mm	5.1 x 89.5 x 59.5
max. current / max. cond. cross-section	A/mm²	24 / 4
Max. clamping range	mm²	0.05...4



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Note

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	300	
24	20	25	
2.5	AWG 26...12	AWG 30...12	
	8 kV / 3		
	A2 / V-0		

Rated connection
0.5...4
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 26...12		
	8 kV / 3		
	A2 / V-0		

Rated connection
0.5...4
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	dark beige

Note

Type	Qty.	Order No.
ZDKPE 2.5-2	50	1805940000

Rated voltage is reduced to 400 V when using the cross-connector.

Type	Qty.	Order No.
ZDKPE 2.5-2/N/L/PE	50	1895700000

Rated voltage is reduced to 400 V when using the cross-connector.

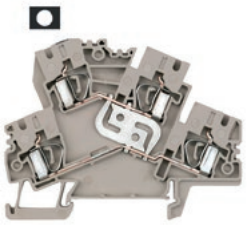
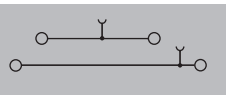
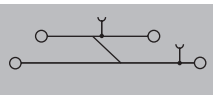
Accessories

Pluggable cross-connection			
2-pole			
10-pole			
End plate / Partition plate			
dark beige			
End bracket			
dark beige			
Test adapter			
With spigot			
Screwdriver			
Standard			
With "swifty set" cutting device			
Reducing sleeves			
For conductors < 0.5 mm² / AWG 20			
For conductors < 1.0 mm² / AWG 18			
Cover			
With lightning flash symbol			
Identification systems			

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDKPE2.5-2		25	1805960000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDKPE2.5-2		25	1805960000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

	ZDK 4 -2	ZDK 4-2 V
	4 mm²	4 mm²
	Double-level terminal	Vertical cross-connected double-level terminal
		
Width/Height/Depth mm	6.1 x 77.6 x 60	6.1 x 77.6 x 60
max. current / max. cond. cross-section A/mm²	**32 / 6**	**32 / 6**
Max. clamping range mm²	**0.13...6** 	**0.13...6** 

Technical data

	ZDK 4 -2	ZDK 4-2 V
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	800	800
Rated current A	32	32
for wire cross-section mm²	4	4
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals	CE GS EAC UL	CE GS EAC UL
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Rated data	IEC	UL	CSA	EN 60079-7
ZDK 4-2	800	600	600	
	32	25	30	
	4	AWG 26...10	AWG 26...10	

Rated data	IEC	UL	CSA	EN 60079-7
ZDK 4-2 V	800	600	600	
	32	25	30	
	4	AWG 26...10	AWG 26...10	

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 4-2	50	**8670750000**
blue	ZDK 4-2 BL	50	**8670850000**

Type	Qty.	Order No.
ZDK 4-2 V	50	**8671080000**

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK4-2		50	**8670760000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 6/ZA		25	**1780660000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Cover				
With lightning flash symbol	ZAD 1/4		20	**1609110000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZQV 4/10 GE	32 A	20	**1609030000**
ZAP/TW ZDK4-2		50	**8670760000**
ZEW 35		20	**9540000000**
ZTA 6/ZA		25	**1780660000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZAD 1/4		20	**1609110000**
DEK 5/6 MC NE WS		1000	**1609820000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

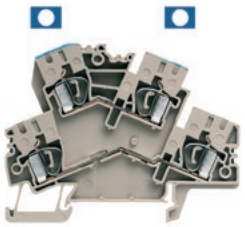
For detailed information on other accessories and application in the online catalogue

ZDK 4-2 DU/PE — 4 mm²

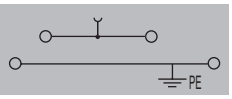
Phase - PE conductor

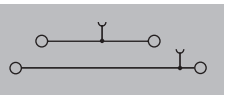
ZDK 4-2/N/L — 4 mm²

Double-level terminal



		ZDK 4-2 DU/PE	ZDK 4-2/N/L
Width/Height/Depth	mm	6.1 x 77.6 x 60	6.1 x 77.6 x 60
max. current / max. cond. cross-section	A/mm²	**32 / 6**	**32 / 6**
Max. clamping range	mm²	**0.13...6**	**0.13...6**





Technical data

Rated data		ZDK 4-2 DU/PE	ZDK 4-2/N/L
		IEC 60947-7-1 (-7-2)	IEC 60947-7-1
IEC		800	800
UL		600	600
CSA		600	
EN 60079-7			
Rated voltage	V	32	32
Rated current	A	25	25
for wire cross-section	mm²	30	
		4	4
		AWG 26...10	AWG 26...10
Rated impulse withstand voltage / Pollution severity		8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0	A3 / V-0
Approvals		CE EAC	CE EAC
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...6	0.5...6
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	ZDK 4-2/DU-PE	50	**8671120000**	ZDK 4-2/N/L	50	**1905170000**
	blue						
Note					Upper level printed blue		

Accessories

Pluggable cross-connection		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
	2-pole	ZQV 4/2 GE	32 A	60	**1608950000**	ZQV 4/2 GE	32 A	60	**1608950000**
	10-pole	ZQV 4/10 GE	32 A	20	**1609030000**	ZQV 4/10 GE	32 A	20	**1609030000**
End plate / Partition plate									
	dark beige	ZAP/TW ZDK4-2		50	**8670760000**	ZAP/TW ZDK4-2		50	**8670760000**
End bracket									
	dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Test adapter									
	With spigot	ZTA 6/ZA		25	**1780660000**	ZTA 6/ZA		25	**1780660000**
Screwdriver									
	Standard	SDIS SL 0.6X3.5X100		1	**1274660000**	SDIS SL 0.6X3.5X100		1	**1274660000**
Cover									
	With lightning flash symbol	ZAD 1/4		20	**1609110000**	ZAD 1/4		20	**1609110000**
Identification systems									
		DEK 5/6 MC NE WS		1000	**1609820000**	DEK 5/6 MC NE WS		1000	**1609820000**
		DEK 5/6 MM WS		600	**2007120000**	DEK 5/6 MM WS		600	**2007120000**
		WS 8/6 MM WS		600	**2007160000**	WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

ZDK 4-2/2AN — 4 mm²

Double-level terminal

Width/Height/Depth	mm	8.1 x 78 x 60
max. current / max. cond. cross-section	-/mm²	**/ 6**
Max. clamping range	mm²	**0.13...6**

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800			
Rated current	A	32			
for wire cross-section	mm²	4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity			/ 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 4-2/2AN	50	**1119700000**

Note

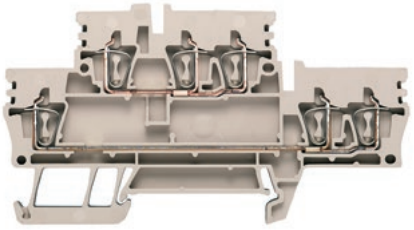
Accessories

	Type	current	Qty.	Order No.
Cover				
With lightning flash symbol	ZAD 1/4		20	**1609110000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 6/ZA		25	**1780660000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**

For detailed information on other accessories and application in the online catalogue

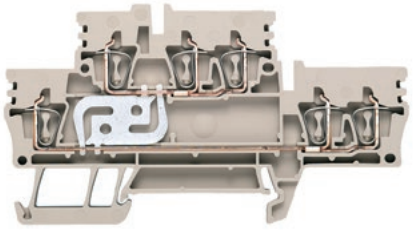
ZDK 2.5/3AN — 2.5 mm²

Double-level terminal

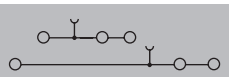


ZDK 2.5/3AN V — 2.5 mm²

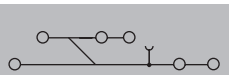
Vertical cross-connected double-level terminal



Width/Height/Depth	mm	5.1 x 93 x 50.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**
Max. clamping range	mm²	**0.05...4**



Width/Height/Depth	mm	5.1 x 93 x 50.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**
Max. clamping range	mm²	**0.05...4**



Technical data

Rated data		IEC 60947-7-1			II 2 G D
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	300	300	550
Rated current	A	24	20	24	21
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Approvals					KEMA06ATEX0271U
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Stripping length / Blade size	mm/-				

Rated connection
0.5...4 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Rated data		IEC 60947-7-1			II 2 G D
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	800	300	300	550
Rated current	A	24	20	24	21
for wire cross-section	mm²	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Approvals					KEMA06ATEX0271U
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Stripping length / Blade size	mm/-				

Rated connection
0.5...4 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5/3AN	50	**1924510000**
blue	ZDK 2.5/3AN BL	50	**1924500000**

Note

Version	Type	Qty.	Order No.
dark beige	ZDK 2.5/3AN V	50	**1924490000**
blue	ZDK 2.5/3AN V BL	50	**1924480000**

Note

Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	**1924910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA ZT2.5		25	**1827080000**
With spigot	ZTA ZT2.5/ZA		25	**1847600000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 9/4		20	**1934160000**
Identification systems				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	**1924910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA ZT2.5		25	**1827080000**
With spigot	ZTA ZT2.5/ZA		25	**1847600000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 9/4		20	**1934160000**
Identification systems				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

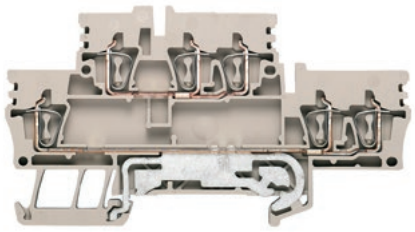
For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

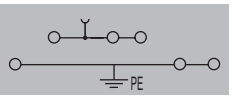
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 2.5/3AN DU-PE — 2.5 mm²

Double-level terminal (DU-PE)



Width/Height/Depth	mm	5.1 x 93 x 50.5
max. current / max. cond. cross-section	A/mm²	**31 / 4**
Max. clamping range	mm²	**0.05...4**



Technical data

IEC 60947-7-1 (-7-2) — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	300	300	550
Rated current	24	20	24	21
for wire cross-section	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Approvals				KEMA06ATEX0271U
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²			
Flexible / Flexible with ferrule	mm²			
Stripping length / Blade size	mm/-			

Rated connection
0.5...4 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZDK 2.5/3AN DU-PE	50	**1924460000**

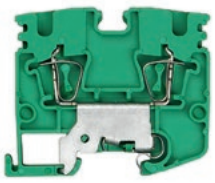
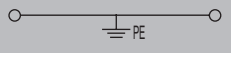
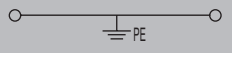
Note

Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	**1608860000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW ZDK 2.5/3AN		20	**1924910000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
Standard	ZTA ZT2.5		25	**1827080000**
With spigot	ZTA ZT2.5/ZA		25	**1847600000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol	ZAD 9/4		20	**1934160000**
Identification systems				
	SNAPMARK I		50	**1805880000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

	ZPEA 2.5-2	2.5 mm²	ZPEA 2.5-2N	2.5 mm²
	Two connections		Two connections	
				
Width/Height/Depth mm	5.1 x 35 x 30		5.1 x 42.5 x 35	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.13...4		0.13...4	

Technical data

	ZPEA 2.5-2	ZPEA 2.5-2N
Rated data		
for wire cross-section mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal V	Ex e II II 2 G D	
Rated impulse withstand voltage to adjacent terminal kV		
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Twin wire-end ferrule -		
Stripping length / Blade size mm/-		

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
500			
6			
	300 A (2.5 mm²)		
	3		
	A2 / V-0		

Rated connection	
0.5...4	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	
800			
8			
	300 A (2.5 mm²)		
	3		
	A2 / V-0		

Rated connection	
0.5...4	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

Note	ZPEA 2.5-2	ZPEA 2.5-2N
	TS 15 - sliced construction	TS 15 - sliced construction

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPEA 2.5-2	100	1720950000
Note			

Version	Type	Qty.	Order No.
green/yellow	ZPEA 2.5-2N	100	1808210000
Note			

Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP/TW ZDUA		50	1720960000
End bracket				
dark beige				
beige	ZEW 15		20	7920340000
Test adapter				
Standard				
With spigot				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

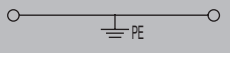
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP/TW ZDUA2.5-2N		50	1808170000
End bracket				
dark beige				
beige	ZEW 15		20	7920340000
Test adapter				
Standard				
With spigot				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZPEB 2.5-2 — 2.5 mm²

Two connections

5.1 x 33.5 x 31
/ 4
0.13...4



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection
0.5...4
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

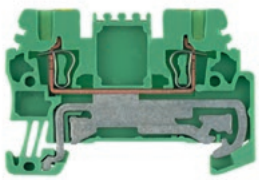
TS 15 - block construction

Type	Qty.	Order No.
ZPEB 2.5-2	100	1712810000

Type	current	Qty.	Order No.
ZAP ZDUB		50	1704750000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 1.5 — 1.5 mm²

Two connections



3.5 x 54.5 x 36.5
/ 1.5
0.05...1.5

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			
6			
180 A (1.5 mm²)			
3			
B1 / V-0			

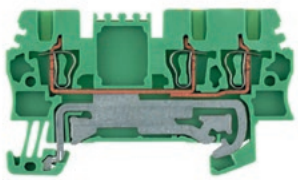
Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5	100	1775510000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/2AN		20	1776030000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

ZPE 1.5/3AN — 1.5 mm²

Three connections



3.5 x 63 x 36.5
/ 1.5
0.05...1.5

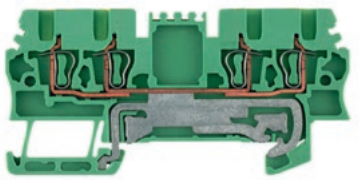
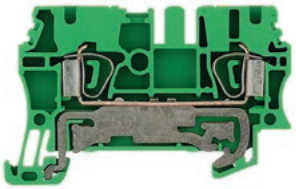
IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm²
500			
6			
180 A (1.5 mm²)			
3			
B1 / V-0			

Rated connection
0.5...1.5
0.5...1.5 / 0.5...1.5
0.5...0.75
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5/3AN	100	1775560000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/3AN		20	1776060000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

	ZPE 1.5/4AN	ZPE 2.5
	1.5 mm²	2.5 mm²
	Four connections	Two connections
		
Width/Height/Depth mm	3.5 x 75.5 x 36.5	5.1 x 63 x 38.5
max. current / max. cond. cross-section -/mm²	/ 1.5	/ 4
Max. clamping range mm²	0.05...1.5	0.05...4

Technical data

	ZPE 1.5/4AN	ZPE 2.5
Rated data		
for wire cross-section mm²	IEC 60947-7-2 / Ex e II / II 2 G D	IEC 60947-7-2 / Ex e II / II 2 G D
Rated voltage to adjoining terminal V	IEC: 1.5 / UL: AWG 26...14 / CSA: AWG 26...12 / EN 60079-7: 1.5 mm²	IEC: 2.5 / UL: AWG 30...12 / CSA: AWG 26...12 / EN 60079-7: 2.5 mm²
Rated impulse withstand voltage to adjacent terminal kV	500	800
Rated short-time current	6	8
Pollution severity	180 A (1.5 mm²)	300 A (2.5 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating	3	3
Approvals	B1 / V-0	A3 / V-0
	CE SEV EAC EAC KEMA ASEFA UL	CE SEV EAC GL EAC KEMA ASEFA UL
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...1.5	0.5...4
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5	0.5...4 / 0.5...2.5
Twin wire-end ferrule mm²	0.5...0.75	
Stripping length / Blade size mm/-	10 / 0.4 x 2.0 mm	10 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 1.5/4AN	100	1775620000
Note			
green/yellow	ZPE 2.5	100	1608640000

Accessories

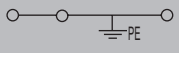
	ZPE 1.5/4AN			ZPE 2.5		
End plate / Partition plate	**Type**	**current**	**Order No.**	**Type**	**current**	**Order No.**
dark beige	ZAP/TW ZDU1.5/4AN	20	1776090000	ZAP/TW 1	50	1608740000
End bracket						
dark beige	ZEW 35	20	9540000000	ZEW 35	20	9540000000
Test adapter						
Standard	ZTA 5	25	1776210000	ZTA 1	25	1609040000
With spigot	ZTA 5/ZA	25	1776220000	ZTA 1/ZA	25	1609050000
Screwdriver						
Standard	SDS 0.4X2.0X60	1	9037160000	SDIS SL 0.6X3.5X100	1	1274660000
Reducing sleeves						
For conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1	500	1781950000	ZRH 2.5/1 WS	1000	1614300000
For conductors < 1.0 mm² / AWG 18				ZRH 2.5/2 GR/VO	1000	1614290000
Identification systems						
	DEK 5/3.5 MC NE WS	500	1755270000	DEK 5/5 MC NE WS	1000	1609801044
	WS 12/3.5 MC NE WS	600	1778270000	WS 10/5 MC NE WS	720	1635000000
	DEK 5/3.5 MM WS	1000	2007100000	DEK 5/5 MM WS	800	2007110000
	WS 8/3.5 MM WS	1000	2007140000	WS 8/5 MM WS	800	2007150000

For detailed information on other accessories and application in the online catalogue

ZPE 2.5/3AN — 2.5 mm²

Three connections

5.1 x 64.5 x 38.5
/ 4
0.05...4



IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

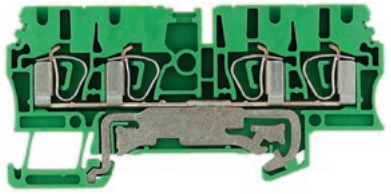
Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 2.5/3AN	100	1608650000

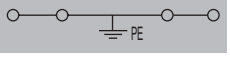
Type	current	Qty.	Order No.
ZAP/TW 2 DB		50	1608770000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 2.5/4AN — 2.5 mm²

Four connections



5.1 x 79.5 x 38.5
/ 4
0.05...4



IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 2.5/4AN	100	1608660000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 4 — 4 mm²

Two connections

6.1 x 64 x 43
/ 6
0.13...6

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

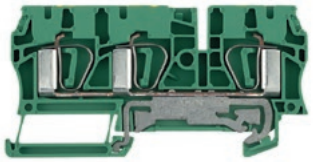
Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4	100	1632080000

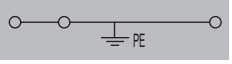
Type	current	Qty.	Order No.
ZAP/TW 4		50	1632090000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

ZPE 4/3 AN — 4 mm²

Three connections



Width/Height/Depth	6.1 x 85.5 x 43
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated data	
for wire cross-section	mm²
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 4/3AN	50	7904170000

Note

Accessories

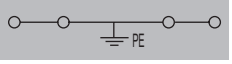
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP/TW 4/3AN		20	7904100000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA 2 ZDU4		25	1609060000
With spigot	ZTA 2/ZA ZDU4		25	1609070000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	1636640000
For conductors < 1.0 mm² / AWG 18				
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 12/6 MC NE WS		600	1609900000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

ZPE 4/4 AN — 4 mm²

Four connections

Width/Height/Depth	6.1 x 104.5 x 43
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
12 / 0.6 x 3.5 mm

Ordering data

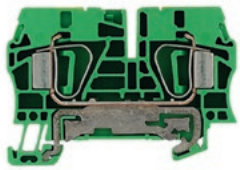
Type	Qty.	Order No.
ZPE 4/4AN	50	7904280000

Accessories

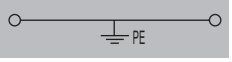
Type	current	Qty.	Order No.
ZAP/TW4/4AN		20	7904210000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

ZPE 6 — 6 mm²

Two connections



8.1 x 65 x 45
/ 10
0.22...10



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
13 / 0.6 x 3.5 mm

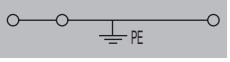
Type	Qty.	Order No.
ZPE 6	50	1608670000

Type	current	Qty.	Order No.
ZAP/TW 5		50	1608830000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZPE 6/3 AN — 6 mm²

Three connections

8.1 x 90 x 45
/ 10
0.22...10



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6/3AN	50	7907400000

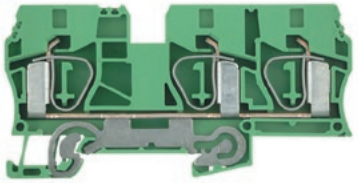
Type	current	Qty.	Order No.
ZAP/TW6/3AN		20	7907370000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZPE 10 — 10 mm²

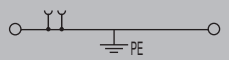
Two connections

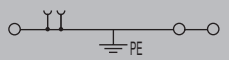
ZPE 10/3 AN — 10 mm²

Three connections



		ZPE 10	ZPE 10/3 AN
Width/Height/Depth	mm	10.1 x 73.5 x 49.5	10.1 x 99 x 49.5
max. current / max. cond. cross-section	-/mm²	/ 16	/ 16
Max. clamping range	mm²	1.31...16	1.31...16





Technical data

Rated data		ZPE 10	ZPE 10/3 AN
for wire cross-section	mm²	IEC 60947-7-2 / Ex e II / II 2 G D	IEC 60947-7-2 / Ex e II / II 2 G D
Rated voltage to adjoining terminal	V	IEC: 10 / UL: AWG 16...6 / CSA: AWG 16...6 / EN 60079-7: 10 mm²	IEC: 10 / UL: AWG 16...6 / CSA: AWG 16...6 / EN 60079-7: 10 mm²
Rated impulse withstand voltage to adjacent terminal	kV	800	800
Rated short-time current		8	8
Pollution severity		1200 A (10 mm²)	1200 A (10 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating		3	3
Approvals		A6 / V-0	A6 / V-0
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	1.5...16 / 1.5...16	1.5...16 / 1.5...16
Flexible / Flexible with ferrule	mm²	1.5...10 / 1.5...10	1.5...10 / 1.5...10
Twin wire-end ferrule	-		
Stripping length / Blade size	mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note			

Ordering data

Version	ZPE 10	ZPE 10/3 AN
	green/yellow	
Type	ZPE 10	ZPE 10/3AN
Qty.	25	20
Order No.	1746770000	1767670000
Note		

Accessories

End plate / Partition plate	ZPE 10	ZPE 10/3 AN
	dark beige	
End bracket		
	dark beige	
Screwdriver		
	Standard	
Identification systems		

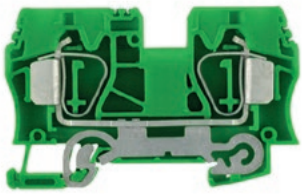
Type	current	Qty.	Order No.	ZPE 10	ZPE 10/3 AN
ZAP/TW ZDU10		20	1748660000		
ZEW 35		20	9540000000		
SDIS SL 1.0X5.5X125		1	1274680000		
DEK 5/5 MC NE WS		1000	1609801044		
WS 12/6 MC NE WS		600	1609900000		

Type	current	Qty.	Order No.	ZPE 10	ZPE 10/3 AN
ZAP/TW 10/16		20	1749580000		
ZEW 35		20	9540000000		
SDIS SL 1.0X5.5X125		1	1274680000		
DEK 5/5 MC NE WS		1000	1609801044		
WS 12/6 MC NE WS		600	1609900000		

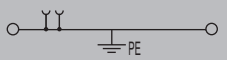
For detailed information on other accessories and application in the online catalogue

ZPE 16 — 16 mm²

Two connections



12.1 x 82.5 x 50.5
/ 25
1.5...25



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...4	16 mm²
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

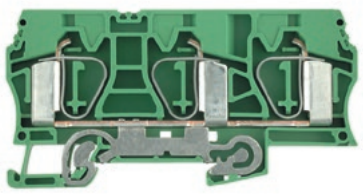
Type	Qty.	Order No.
ZPE 16	25	1745250000

Type	current	Qty.	Order No.
ZAP/TW ZDU16		20	1745150000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

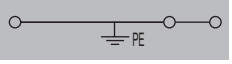
The plug-in cross-connections ZQV 16/2 (1739690000) can be used.

ZPE 16/3AN — 16 mm²

Three connections



12.1 x 99 x 50.5
/ 25
1.5...25



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm²
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

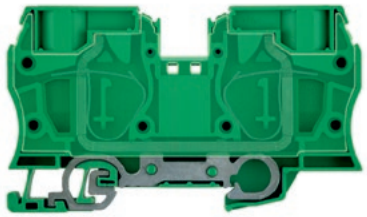
To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16/3AN	20	1768310000

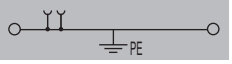
Type	current	Qty.	Order No.
ZAP/TW 10/16		20	1749580000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

ZPE 35 — 35 mm²

Two connections



16 x 100.5 x 58.5
/ 35
2.5...35



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm²
800			
8			
4200 A (35 mm²)			
3			
A8 / V-0			

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
25 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 35	10	1739650000
Integrated end plate.		

Type	current	Qty.	Order No.
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 15/5 MC NE WS		480	1609880000

The plug-in cross-connections ZQV 35/2 (1739700000) can be used.

ZPE 2.5-2 — 2.5 mm²

Two connections

ZPE 2.5-2/3AN — 2.5 mm²

Three connections

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

ZPE 2.5-2	ZPE 2.5-2/3AN
5.1 x 50.5 x 43.5	5.1 x 50.5 x 43.5
/ 4	/ 4
0.13...4	0.13...4

Technical data

Rated data				
for wire cross-section	mm²	IEC 60947-7-2		Ex e II II 2 G D
Rated voltage to adjoining terminal	V	IEC	UL	CSA	EN 60079-7
Rated impulse withstand voltage to adjacent terminal	kV	2.5	AWG 26...12	AWG 26...12	2.5 mm²
Rated short-time current		800			
Pollution severity		8			
Gauge to IEC 60947-1 / UL 94 flammability rating		300 A (2.5 mm²)			
Approvals		3			
Clamped conductors (H05V/H07V)		A2 / V-0			
Solid / Stranded	mm²	**Rated connection**			
Flexible / Flexible with ferrule	mm²	0.5...4			
Twin wire-end ferrule	-	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-				
		10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Rated data				
for wire cross-section	mm²	IEC 60947-7-2		Ex e II II 2 G D
Rated voltage to adjoining terminal	V	IEC	UL	CSA	EN 60079-7
Rated impulse withstand voltage to adjacent terminal	kV	2.5	AWG 26...12	AWG 26...14	2.5 mm²
Rated short-time current		800			
Pollution severity		8			
Gauge to IEC 60947-1 / UL 94 flammability rating		300 A (2.5 mm²)			
Approvals		3			
Clamped conductors (H05V/H07V)		A2 / V-0			
Solid / Stranded	mm²	**Rated connection**			
Flexible / Flexible with ferrule	mm²	0.5...4			
Twin wire-end ferrule	-	0.5...2.5 / 0.5...2.5			
Stripping length / Blade size	mm/-				
		10 / 0.6 x 3.5 mm			
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5-2	100	1772090000
Note			

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5-2/3AN	100	1706090000
Note			

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW7		50	1706110000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 4		25	1688110000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

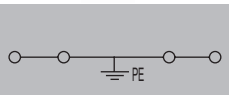
	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW7		50	1706110000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 4		25	1688110000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC SDR		200	1609810000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZPE 2.5-2/4AN — 2.5 mm²

Four connections

5.1 x 50.5 x 43.5
/ 4
0.13...4



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...14	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection
0.5...4
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

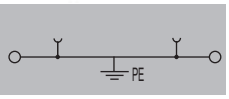
Type	Qty.	Order No.
ZPE 2.5-2/4AN	100	1706100000

Type	current	Qty.	Order No.
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 4-2/2AN — 4 mm²

Two connections

6.1 x 61.5 x 45.5
/ 6
0.13...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

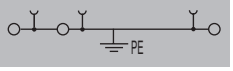
Type	Qty.	Order No.
ZPE 4-2/2AN	100	1770380000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

ZPE 4-2/3AN — 4 mm²

Three connections

6.1 x 61.5 x 45.5
/ 6
0.13...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6
0.5...4 / 0.5...4
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/3AN	100	1770390000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

	ZPE 4-2/4 AN	ZPE 6-2/2AN
	4 mm²	6 mm²
	Four connections	Two connections
Width/Height/Depth mm	6.1 x 75 x 45.5	8.1 x 68 x 49.19
max. current / max. cond. cross-section -/mm²	/ 6	/ 10
Max. clamping range mm²	0.13...6	0.22...10

Technical data

	ZPE 4-2/4 AN	ZPE 6-2/2AN
Rated data		
for wire cross-section mm²	IEC 60947-7-2 / Ex e II / II 2 G D	IEC 60947-7-2 / Ex e II / II 2 G D
Rated voltage to adjoining terminal V	IEC: 4 / UL: AWG 26...10 / CSA: AWG 26...10 / EN 60079-7: 4 mm²	IEC: 6 / UL: AWG 22...8 / CSA: AWG 20...8 / EN 60079-7: 6 mm²
Rated impulse withstand voltage to adjacent terminal kV	800	800
Rated short-time current	8	8
Pollution severity	480 A (4 mm²)	720 A (6 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating	3	3
Approvals	A3 / V-0	A5 / V-0
	CE SEV cULus EAC GL EAC KCC	CE SEV EAC GL EAC KCC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6	0.5...10
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...10 / 0.5...6
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	12 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 4-2/4AN	100	1807090000
Note			

Type	Qty.	Order No.
ZPE 6-2/2AN	50	1771370000

Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP ZDU4-2/4AN		50	1807010000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 6/ZA		25	1780660000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 4/1 WS		1000	1636640000
For conductors < 1.0 mm² / AWG 18				
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 12/6 MC NE WS		600	1609900000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

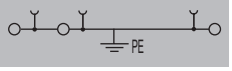
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP ZDU6-2		50	1771440000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 7/ZA		25	1780670000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20				
For conductors < 1.0 mm² / AWG 18				
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000
	DEK 5/8 MM WS		500	2007130000
	WS 8/8 MM WS		500	2007170000

For detailed information on other accessories and application in the online catalogue

ZPE 6-2/3AN — 6 mm²

Three connections

8.1 x 68 x 49.19
/ 10
0.22...10



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

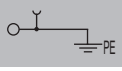
Type	Qty.	Order No.
ZPE 6-2/3AN	50	1771360000

Type	current	Qty.	Order No.
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZPE 16-2/1AN — 16 mm²

Supply terminal - PE

12 x 65 x 50.5
/ 25
1.5...25



In accordance with IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 26...14	
800			
8			
1920 A (16 mm²)			
3			
A7 / V-0			

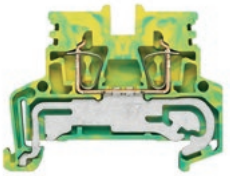
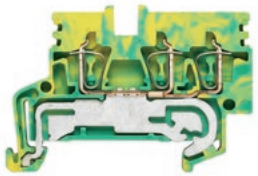
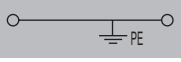
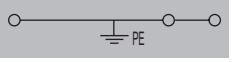
Rated connection
1.5...10 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	current	Qty.	Order No.
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000

The plug-in cross-connections ZQV 2.5/.. , ZQV 4/... and ZQV 6/... can be used.

	ZPE 2.5N	ZPE 2.5N/3AN
	2.5 mm²	2.5 mm²
	Two connections	Three connections
		
Width/Height/Depth mm	5.1 x 50.5 x 38.5	5.1 x 56.5 x 38.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 4
Max. clamping range mm²	0.05...4 	0.05...4 

Technical data

	ZPE 2.5N	ZPE 2.5N/3AN
Rated data	IEC 60947-7-2 II 2 G D	IEC 60947-7-2 II 2 G D
	IEC: 2.5 / UL: AWG 30...12 / CSA: AWG 30...12 / EN 60079-7: 2.5 mm²	IEC: 2.5 / UL: AWG 30...12 / CSA: AWG 30...12 / EN 60079-7: 2.5 mm²
for wire cross-section mm²	2.5	2.5
Rated voltage to adjoining terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	6	6
Rated short-time current	300 A (2.5 mm²)	300 A (2.5 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A2 / V-0
Approvals	CE SEV cULus EAC GL Ex	CE SEV cULus EAC GL Ex
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...2.5	0.5...4 / 1.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5N	50	1933760000
Note			

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5N/3AN	50	1933770000
Note			

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZDU/ZPE 2.5N		20	1933790000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
Standard	ZTA ZT2.5		25	1827080000
With spigot	ZTA ZT2.5/ZA		25	1847600000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 M MC NE WS		720	1792000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type	current	Qty.	Order No.
	ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
	ZEW 35		20	9540000000
	ZTA ZT2.5		25	1827080000
	ZTA ZT2.5/ZA		25	1847600000
	SDIS SL 0.6X3.5X100		1	1274660000
	ZRH 1.5H/1		1000	1678810000
	ZRH 1.5H/2		1000	1678800000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 M MC NE WS		720	1792000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

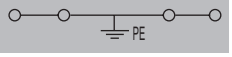
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZPE 2.5N/4AN — 2.5 mm²

Four connections

5.1 x 60 x 38.5
/ 4
0.05...4



IEC 60947-7-2 — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm²
800			
6			
300 A (2.5 mm²)			
3			
A2 / V-0			

Rated connection

0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

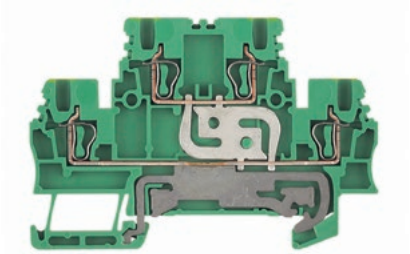
Type	Qty.	Order No.
ZPE 2.5N/4AN	50	**1933780000**

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/4AN		50	**1933810000**
ZEW 35		20	**9540000000**
ZTA ZT2.5		25	**1827080000**
ZTA ZT2.5/ZA		25	**1847600000**
SDIS SL 0.6X3.5X100		1	**1274660000**
ZRH 1.5H/1		1000	**1678810000**
ZRH 1.5H/2		1000	**1678800000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 M MC NE WS		720	**1792000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

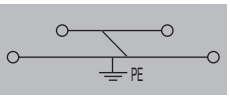
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 1.5 PE — 1.5 mm²

Double-level terminal

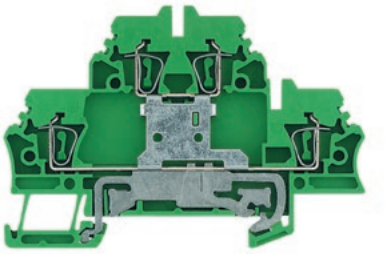


Width/Height/Depth	3.5 x 75.5 x 49.5
max. current / max. cond. cross-section	/ 1.5
Max. clamping range	0.05...1.5

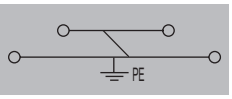


ZDK 2.5 PE — 2.5 mm²

Vertically cross-connected



Width/Height/Depth	5.1 x 79.5 x 53
max. current / max. cond. cross-section	/ 2.5
Max. clamping range	0.05...2.5



Technical data

Rated data		ZDK 1.5 PE	ZDK 2.5 PE
for wire cross-section	mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal	V	1.5	2.5
Rated impulse withstand voltage to adjacent terminal	kV	500	500
Rated short-time current		6	6
Pollution severity		180 A (1.5 mm²)	300 A (2.5 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating		3	3
Approvals		B1 / V-0	A2 / V-0
		CE SEV cULus EAC	CE SEV EAC KCRS cULus
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...1.5	0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...2.5 / 0.5...2.5
Twin wire-end ferrule	mm²	0.5...0.75	
Stripping length / Blade size	mm/-	10 / 0.4 x 2.0 mm	10 / 0.6 x 3.5 mm

	IEC	UL	CSA	EN 60079-7
ZDK 1.5 PE	1.5	AWG 28...16	AWG 28...16	
ZDK 2.5 PE	2.5	AWG 26...14	AWG 26...12	2.5 mm²

Ex e II — II 2 G D

Note	
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

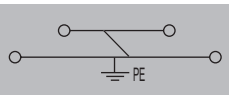
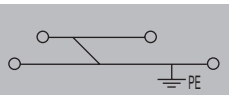
Version	Type	Qty.	Order No.
green/yellow	ZDK 1.5PE	100	1791150000
green/yellow	ZDK 2.5PE	50	1690000000

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZDK1.5		20	1791160000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot	ZTA 5/ZA		25	1776220000
Standard	ZTA 5		25	1776210000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5S/1		500	1781950000
For conductors < 1.0 mm² / AWG 18				
Cover				
With lightning flash symbol				
Screwdriver				
Standard	SDS 0.4X2.0X60		1	9037160000
Identification systems				
	DEK 5/3.5 MC NE WS		500	1755270000
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000

	Type	current	Qty.	Order No.
	ZAP/TW ZDK2.5		20	1674730000
	ZEW 35		20	9540000000
	ZTA 4		25	1688110000
	ZRH 1.5H/1		1000	1678810000
	ZRH 1.5H/2		1000	1678800000
	ZAD 9/4		20	1934160000
	SDIS SL 0.6X3.5X100		1	1274660000
	DEK 5/5 PLUS MC NE GE		1000	1907520000
	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

	ZDK 2.5-2PE	ZDK 4-2 PE
	2.5 mm²	**4 mm²**
	Four connections	**Four connections**
Width/Height/Depth mm	5.1 x 72.5 x 54.5	6.1 x 77.6 x
max. current / max. cond. cross-section -/mm²	**/ 4**	**/ 6**
Max. clamping range mm²	**0.05...4**	**0.13...6**
		

Technical data

	ZDK 2.5-2PE	ZDK 4-2 PE
Rated data	IEC 60947-7-2 II 2 G D	IEC 60947-7-2
for wire cross-section mm²	IEC: 2.5 / UL: AWG 26...12 / CSA: AWG 30...12 / EN 60079-7: 2.5 mm²	IEC: 4 / UL: AWG 26...10 / CSA: AWG 26...10 / EN 60079-7:
Rated voltage to adjoining terminal V	800	800
Rated impulse withstand voltage to adjacent terminal kV	8	8
Rated short-time current	300 A (2.5 mm²)	480 A (4 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A3 /
Approvals	CE, cULus, EAC, Ex	CE, EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZDK 2.5-2PE	50	**1791010000**
Note			

Version	Type	Qty.	Order No.
green/yellow	ZDK 4-2 PE	50	**8671050000**
Note			

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZDK2.5-2		20	**1791050000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 4		25	**1688110000**
Standard				
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	**1678810000**
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	**1678800000**
Cover				
With lightning flash symbol				
Screwdriver				
Standard	SDS 0.5X3.0X80		1	**9008320000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

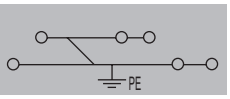
	Type	current	Qty.	Order No.
	ZAP/TW ZDK4-2		50	**8670760000**
	ZEW 35		20	**9540000000**
	ZTA 6/ZA		25	**1780660000**
	SDIS SL 0.6X3.5X100		1	**1274660000**
	DEK 5/6 MC NE WS		1000	**1609820000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

ZDK 2.5/3AN PE — 2.5 mm²

Double-level terminal

Width/Height/Depth	mm	5.1 x 93 x 50.5
max. current / max. cond. cross-section	-/mm²	/ 4
Max. clamping range	mm²	0.05...4



Technical data

IEC 60947-7-2 — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	2.5	AWG 30...12	AWG 30...12	2.5 mm²
Rated voltage to adjoining terminal	800			
Rated impulse withstand voltage to adjacent terminal	8			
Rated short-time current	300 A (2.5 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0			
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	0.5...4 / 0.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...2.5			
Twin wire-end ferrule				
Stripping length / Blade size	10 / 0.6 x 3.5 mm			

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZDK 2.5/3AN PE	50	1924470000

Note

Accessories

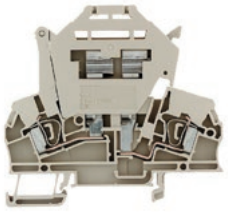
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP/TW ZDK 2.5/3AN		20	1924910000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Test adapter				
Standard	ZTA ZT2.5		25	1827080000
With spigot	ZTA ZT2.5/ZA		25	1847600000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	SNAPMARK I		50	1805880000
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

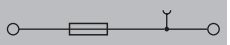
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZSI 2.5 — 2.5 mm²

For metric fuses 5 x 20 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 79.5 x 73	
6.3 / 4	
0.13...4	

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	600 (C)	
6.3	10	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	
	500 V AC/DC, without LED

Note

Type	Qty.	Order No.
ZSI 2.5	50	**1616400000**

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Pluggable cross-connection			
	2-pole		
	4-pole		
End plate / Partition plate			
	dark beige		
	dark beige		
Screwdriver			
	Standard		
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)			
	0.25 A fast		
	0.50 A fast		
	1.00 A fast		
	2.00 A fast		
Identification systems			

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZAP/TW 3		50	**1608800000**
ZAP TNHE/ZSI2.5		25	**1610840000**
SDIS SL 0.6X3.5X100		1	**1274660000**
G 20/0.25A/F		10	**0430500000**
G 20/0.50A/F		10	**0430600000**
G 20/1.00A/F		10	**0430700000**
G 20/2.00A/F		10	**0430900000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.

ZSI 2.5

Overload and short-circuit protection

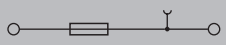
Type	Order No.
ZSI 2.5	**1616400000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 6.3 A	27 °C	2.5 W / 2.5 A
In combination	55 °C	2.5 W / 6.3 A	41 °C	1.6 W / 6.3 A

ZSI 2.5/QV — 2.5 mm²

For metric fuses 5 x 20

Width/Height/Depth	mm	7.9 x 79.5 x 73
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**
Max. clamping range	mm²	**0.13...4**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	400			
Rated current A	6.3			
for wire cross-section mm²	2.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals	CE EAC			

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note	
	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZSI 2.5/QV	50	**1799470000**

Note	
	For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
dark beige	ZAP/TW 3		50	**1608800000**
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue	
	Status display using a bi-directional LED.

ZSI 2.5 LED — 2.5 mm²

For metric fuses 5 x 20 mm

ZSI 2.5/5x25 — 2.5 mm²

For metric fuses 5 x 25 mm

		ZSI 2.5 LED	ZSI 2.5/5x25
Width/Height/Depth	mm	7.9 x 79.5 x 73	7.9 x 79.5 x 73
max. current / max. cond. cross-section	A/mm²	**6.3 / 4**	**6.3 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**

Technical data

Rated data		ZSI 2.5 LED	ZSI 2.5/5x25
Rated voltage to adjoining terminal	V	IEC 60947-7-3	IEC 60947-7-3
Rated current	A	IEC	IEC
for wire cross-section	mm²	500	500
Rated impulse withstand voltage / Pollution severity		6.3	6.3
UL 94 flammability rating		2.5	2.5
Approvals		UL: AWG 26...12	UL: AWG 26...12
Clamped conductors (H05V/H07V)		CSA: AWG 26...12	CSA: AWG 26...12
Solid / Stranded	mm²	EN 60079-7: 6 kV / 3	EN 60079-7: 6 kV / 3
Flexible / Flexible with ferrule	mm²	V-0	V-0
Blade size			

Rated connection	ZSI 2.5 LED	ZSI 2.5/5x25
	0.5...4	0.5...4
	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
	0.6 x 3.5 mm	0.6 x 3.5 mm

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	ZSI 2.5 LED Type	Qty.	Order No.	ZSI 2.5/5x25 Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5/LD 28AC	50	**1616440000**	ZSI 2.5/5X25	50	**1730900000**
10-36 V AC/DC, with LED	ZSI 2.5/LD 60AC	50	**1616430000**			
30–70 V AC/DC, with LED	ZSI 2.5/LD 120AC	50	**1616420000**			
60-150 V AC/DC, with LED	ZSI 2.5/LD 250AC	50	**1616410000**			
140-250 V AC/DC, with LED						

Note

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

	ZSI 2.5 LED Type	current	Qty.	Order No.	ZSI 2.5/5x25 Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate								
dark beige	ZAP/TW 3		50	**1608800000**	ZAP/TW 3		50	**1608800000**
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**	SDIS SL 0.6X3.5X100		1	**1274660000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)								
0.25 A fast	G 20/0.25A/F		10	**0430500000**				
0.50 A fast	G 20/0.50A/F		10	**0430600000**				
1.00 A fast	G 20/1.00A/F		10	**0430700000**				
2.00 A fast	G 20/2.00A/F		10	**0430900000**				
G25 with indicator / imperial (inch) fuse								
0.50 A medium slow / 2 A					G 25/0.50A/M WS		10	**0510300000**
1.00 A medium slow / 3 A					G 25/1.00A/M RT		10	**0265800000**
2.00 A fast / 5 A					G 25/2.00A/F BL		10	**0192700000**
4.00 A fast / 10 A					G 25/4.00A/F BR		10	**0192800000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/5 MC NE WS		720	**1635000000**

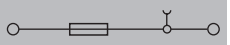
For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.

ZSI 2.5/2 — 2.5 mm²

For imperial fuses

Width/Height/Depth	11.9 x 79.5 x 73 mm
max. current / max. cond. cross-section	12 / 4 A/mm²
Max. clamping range	0.13...4 mm²



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
12	16	15	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	
	500 V AC/DC, without LED

Note

Type	Qty.	Order No.
ZSI 2.5/2 500AC	10	1616460000

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
Screwdriver	
	Standard
G25 with indicator / imperial (inch) fuse	
	4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
ZQS 2.5/2	10 A	20	1633200000
ZQS 2.5/4	10 A	20	1633220000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
GZ 10.0A/F		10	1460640000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.

ZSI 2.5/2

Overload and short-circuit protection

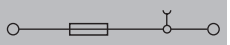
Type	Order No.
ZSI 2.5/2 500AC	1616460000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	46 °C	4.0 W / 10.0 A	40 °C	2.5 W / 2.5 A
In combination	72 °C	2.5 W / 2.5 A	29 °C	2.5 W / 2.5 A

ZSI 2.5/2 LED — 2.5 mm²

For imperial fuses

Width/Height/Depth	11.9 x 79.5 x 73
max. current / max. cond. cross-section	**12 / 4**
Max. clamping range	**0.13...4**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500			
Rated current (A)	12			
for wire cross-section (mm²)	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	Type	Qty.	Order No.
10-36 V AC/DC, with LED	ZSI 2.5/2/LD 28AC	10	**1616470000**
30–70 V AC/DC, with LED	ZSI 2.5/2/LD 60AC	10	**1616480000**
60-150 V AC/DC, with LED	ZSI 2.5/2/LD 120AC	10	**1616490000**
140-250 V AC/DC, with LED	ZSI 2.5/2/LD 250AC	10	**1616500000**

Note

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

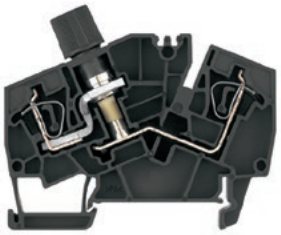
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQS 2.5/2	10 A	20	**1633200000**
4-pole	ZQS 2.5/4	10 A	20	**1633220000**
End plate / Partition plate				
dark beige	ZAP TNHE/ZSI2.5		25	**1610840000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
G25 with indicator / imperial (inch) fuse				
4.00 A fast / 10 A	GZ 10.0A		10	**0293900000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.

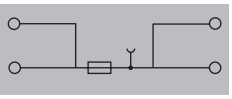
ZSI 2.5 2x2 AN — 2.5 mm²

For metric fuses 5 x 20



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

12.2 x 68 x 55
10 / 4
0.13...4



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500	300 (C)	300 (C)	
Rated current (A)	10	10	10	
for wire cross-section (mm²)	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5-2/2X2AN/G20	20	1826050000

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

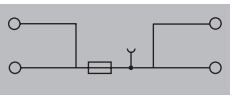
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	1608950000
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	1814710000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	0430500000
0.50 A fast	G 20/0.50A/F		10	0430600000
1.00 A fast	G 20/1.00A/F		10	0430700000
2.00 A fast	G 20/2.00A/F		10	0430900000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A				
1.00 A medium slow / 3 A				
2.00 A fast / 5 A				
4.00 A fast / 10 A				

For detailed information on other accessories and application in the online catalogue

ZSI 2.5 2x2 AN — 2.5 mm²

For metric fuses 5 x 25

12.2 x 68 x 55
10 / 4
0.13...4



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	500	300 (C)	300 (C)	
Rated current (A)	10	10	10	
for wire cross-section (mm²)	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Blade size	0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. UL & CSA D = 600 V / 5 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 2.5-2/2X2AN/G25	20	1826200000

Note

G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25
G25 LED types on request

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	1608950000
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	1814710000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast				
0.50 A fast				
1.00 A fast				
2.00 A fast				
Identification systems				
	WS 10/5 MC NE WS		720	1635000000
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	G 25/0.50A/M WS		10	0510300000
1.00 A medium slow / 3 A	G 25/1.00A/M RT		10	0265800000
2.00 A fast / 5 A	G 25/2.00A/F BL		10	0192700000
4.00 A fast / 10 A	G 25/4.00A/F BR		10	0192800000

ZSI 2.5-2

Overload and short-circuit protection

ZSI 2.5-2 / G20

Type	Order No.
ZSI 2.5-2/2X2AN/G20	1826050000
ZSI 2.5-2/2X2AN/G20/GL	1826030000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual			39 °C	2.5 W / 6.3 A
In combination			41 °C	1.6 W / 6.3 A

ZSI 2.5-2 / G25

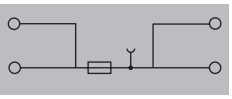
Type	Order No.
ZSI 2.5-2/2X2AN/G25	1826200000
ZSI 2.5-2/2X2AN/G25/GL	1826090000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	60 °C			
In combination	47 °C			

ZSI 2.5 2x2 AN LED — 2.5 mm²

For metric fuses 5 x 20

Width/Height/Depth	12.2 x 68 x 55
max. current / max. cond. cross-section	**10 / 4**
Max. clamping range	**0.13...4**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	500	300 (C)		
Rated current	10	10		
for wire cross-section	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals				

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Rated connection
0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Note

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

Ordering data

Version	Type	Qty.	Order No.
10-36 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD1	20	**1867440000**
60-150 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD3	20	**1867420000**
140-250 V AC/DC, with LED	ZSI 2.5-2/2X2AN/G20/LD4	20	**1879730000**

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

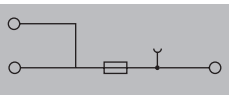
For detailed information on other accessories and application in the online catalogue

ZSI 6-2 — 6 mm²

For metric fuses 5 x 20

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

12.2 x 68 x 55	
10 / 10	
0.13...10	



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
	4 kV / 3		
	V-0		

Rated connection		
0.5...10	0.5...4	
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5	
0.6 x 3.5 mm		

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2 2X2.5/G20	20	**1820930000**
10-36 V AC/DC, with LED			
140-250 V AC/DC, with LED			

Note

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SL 0.8X4.0X100		1	**1274670000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
0.25 A fast	G 20/0.25A/F		10	**0430500000**
G25 with indicator / imperial (inch) fuse				
2.00 A fast / 5 A				
4.00 A fast / 10 A				
1.00 A medium slow / 3 A				
0.50 A medium slow / 2 A				
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

ZSI 6-2

Overload and short-circuit protection

ZSI 6-2 2x2.5 / G20

Type	Order No.
ZSI 6-2 2X2.5/G20	**1820930000**
ZSI 6-2 2X2.5/G20/GL	**1820860000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual			37 °C	2.5 W / 6.3 A
In combination			40 °C	1.6 W / 6.3 A

ZSI 6 2x2.5 / G25

Type	Order No.
ZSI 6-2 2X2.5/G25	**1820950000**
ZSI 6-2 2X2.5/G25/GL	**1820940000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	60 °C			
In combination	47 °C			

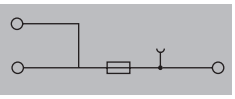
ZSI 6-2 2x2.5 — 6 mm²

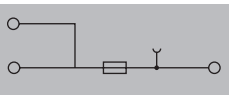
For metric fuses 5 x 20 / 5 x 25

ZSI 6-2 LED — 6 mm²

For metric fuses 5 x 20

Width/Height/Depth	mm	12.2 x 68 x 55	12.2 x 68 x 55
max. current / max. cond. cross-section	A/mm²	**10 / 10**	**10 / 10**
Max. clamping range	mm²	**0.13...10**	**0.13...10**





Technical data

Rated data		ZSI 6-2 2x2.5	ZSI 6-2 LED
		IEC 60947-7-3	IEC 60947-7-3
Rated voltage to adjoining terminal	V	500	500
Rated current	A	10	10
for wire cross-section	mm²	6	6
Rated impulse withstand voltage / Pollution severity		4 kV / 3	4 kV / 3
UL 94 flammability rating		V-0	V-0
Approvals		CE, CSA, cULus, EAC, GL, KTL	CE, CSA, cULus, EAC, KTL
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...10	0.5...10
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6	0.5...10 / 0.5...6
Blade size		0.6 x 3.5 mm	0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	

IEC	UL	CSA	EN 60079-7
500	300 (C)		
10	10		
6	AWG 26...12	AWG 20...8	

Rated connection	
0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5

Rated connection	
0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5

Note

The rated voltage of the fuse must not be exceeded. Acc. to UL 600 V / 5 A. A3 terminal points AWG 26-12, A5 terminal points AWG 20-8

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2 2X2.5/G25	20	**1820950000**
10-36 V AC/DC, with LED			
140-250 V AC/DC, with LED			

Note

G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25
G25 LED types on request

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G20/LD1	20	**1867500000**
ZSI 6-2 2X2.5/G20/LD4	20	**1879750000**

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25
G 25 LED versions on request

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDS 0.8X4.0X100		1	**9008340000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
0.25 A fast	G 20/0.25A/F		10	**0430500000**
G25 with indicator / imperial (inch) fuse				
2.00 A fast / 5 A	G 25/2.00A/F BL		10	**0192700000**
4.00 A fast / 10 A	G 25/4.00A/F BR		10	**0192800000**
1.00 A medium slow / 3 A	G 25/1.00A/M RT		10	**0265800000**
0.50 A medium slow / 2 A	G 25/0.50A/M WS		10	**0510300000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

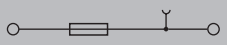
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	**1608950000**
ZAP ZDU6-2 SW		50	**1814710000**
SDIS SL 0.8X4.0X100		1	**1274670000**
G 20/0.50A/F		10	**0430600000**
G 20/1.00A/F		10	**0430700000**
G 20/2.00A/F		10	**0430900000**
G 20/0.25A/F		10	**0430500000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

ZSI 6-2/FC — 6 mm²

For car fuses

Width/Height/Depth	8.1 x 70 x 50 mm
max. current / max. cond. cross-section	**30 / 10** A/mm²
Max. clamping range	**0.33...10** mm²



Technical data

DIN 72581-3, IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal (V)	250	300 (C)	300 (C)	
Rated current (A)	30		25	
for wire cross-section (mm²)	6	AWG 22...10	AWG 22...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...10
Flexible / Flexible with ferrule (mm²)	0.5...10 / 0.5...6
Blade size	4.0 x 0.8 mm

Note

Fuse continuous current max. 80 % IN.

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	ZSI 6-2/FC	25	**1814690000**
10-36 V AC/DC, with LED	ZSI 6-2/FC LD	25	**1814700000**

Note

Automotive fuses are not available from Weidmüller.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate, Wemid	ZAP ZDU6-2 SW		50	**1814710000**
Screwdriver				
Standard	SDIS SL 0.8X4.0X100		1	**1274670000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of Pudenz fuses.

ZSI 6-2/FC

Overload and short-circuit protection

Type	Order No.
ZSI 6-2/FC	**1814690000**

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	24 °C	3,0 W / 30 A	*	*
In combination	28 °C	1.90 W / 24 A (30 A)**	*	*

*) Values not available
**) According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒ The 30 A fuse can be loaded to a maximum 24 A

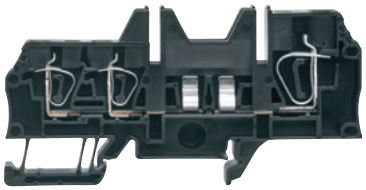
Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1170) or alternatively car fuses

ZSI 2x6/4x2.5 FC

6/2.5 mm²

Circuit breaker ETA 1170
28 V DC

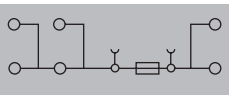


ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

16 / 93 / 47.5
10



Technical data

Rated data	IEC	UL	CSA
Rated voltage to adjoining terminal V	500		
Rated current A	57		
Rated cross-section mm²	2.5	AWG 26...12	AWG 26...12
	6	AWG 20...8	AWG 20...8
Approvals		in work	in work
Other technical data	**Output**	**Input**	
Clamped conductors			
solid H07V-U mm²	0.5...4	0.5...10	
stranded H07V-K mm²	0.5...4	0.5...10	
„f" with ferrule acc. DIN 46 228/1 mm²	0.5...2.5	0.5...6	
„f" ferrules with plastic collar mm²	0.5...2.5	0.5...6	
max. clamping range in mm²			
gauge acc. to IEC 60 947-1 Size	0.08...4	0.21...10	

Note

The maximum load of the single circuit breakers shouldn´t be exceeded.

Type	Order No.
ZSI 2X6/4X2.5 FC	1058520000

Arrangement	Applications			
	ETA fuse		Automotive fuse	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*	45 °C	1.9 W / 24 A (30 A)**
In combination	24 °C	1.68 W / 20 A (25 A)*	35 °C	1.9 W / 24 A (30 A)**

*) ETA circuit breakers 1170
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 25 A fuse can be loaded to a maximum 20 A
**) Automotive fuses in accordance with DIN 41576
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 30 A fuse can be loaded to a maximum 24 A

Ordering data

Note

Type	Qty.	Order No.
ZSI 2x6/4x2.5 FC	10	1058520000

Accessories

Pluggable cross-connection	Type	Current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole				
4-pole				
End plate / partition				
ZAP black Wemid	ZAP ZSI2x6/4x2.5		50	1059310000
Screwdriver				
SD acc. to DIN 5264-A	SD 0.6x3.5		1	9008330000
	SD 0.8x4		1	9008340000

Circuit breaker ETA and car fuses*	Circuit breaker 1170
Rated voltage	28 V DC
Rated current A	3...25
Switching capacity A	400
Protection IP	40

Rated current circuit breaker A	Circuit breaker 1170 Colour	Order No.
3	violet	1278730000
4	pink	1278740000
5	orange	1278750000
6	green	1278760000
7.5	brown	1278770000
8	yellow	1278780000
10	red	1278790000
15	blue	1278810000
20	yellow	1278820000
25	white	1278830000

ETA 1180

ETA 1170

Marking systems (see assortment in catalogue 7)	DEK 5/5 MC
Marking tags	

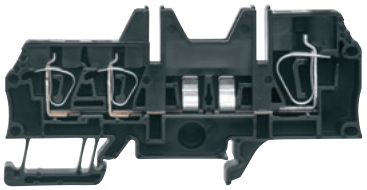
*) **Note:**
not possible to order from Weidmüller

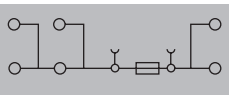
Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1180)

ZSI 2x6/4x2.5 — 6/2.5 mm²

Circuit breaker ETA 1180
65 V DC / 250 V AC





ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

Technical data

Rated data		IEC	UL	CSA
Rated voltage to adjoining terminal	V	500		
Rated current	A	57		
Rated cross-section	mm²	2.5	AWG 26...12	AWG 26...12
		6	AWG 20...8	AWG 20...8
Approvals			in work	in work
Other technical data		**Output**	**Input**	
Clamped conductors				
solid H07V-U	mm²	0.5...4	0.5...10	
stranded H07V-K	mm²	0.5...4	0.5...10	
„f" with ferrule acc. DIN 46 228/1	mm²	0.5...2.5	0.5...6	
„f" ferrules with plastic collar	mm²	0.5...2.5	0.5...6	
max. clamping range in mm²				
gauge acc. to IEC 60 947-1	Size	0.08...4	0.21...10	

Note

The maximum load of the single circuit breakers shouldn´t be exceeded.

Type	Order No.
ZSI 2X6/4X2.5	1265990000

Arrangement	Applications			
	ETA fuse		Automotive fuse	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*	45 °C	1.9 W / 24 A (30 A)**
In combination	24 °C	1.68 W / 20 A (25 A)*	35 °C	1.9 W / 24 A (30 A)**

*) ETA circuit breakers 1170
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 25 A fuse can be loaded to a maximum 20 A

**) Automotive fuses in accordance with DIN 41576
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.
⇒The 30 A fuse can be loaded to a maximum 24 A

Ordering data

Note

Type	Qty.	Order No.
ZSI 2x6/4x2.5	10	1265990000

Accessories

Pluggable cross-connection		Type	Strom	Qty.	Order No.
	2-pole	ZQV 6/2 GE	41 A	60	1627850000
	3-pole				
	4-pole				
End plate / partition					
	ZAP black Wemid	ZAP ZSI2x6/4x2.5		50	1059310000
Screwdriver					
	SD acc. to DIN 5264-A	SD 0.6x3.5		1	9008330000
		SD 0.8x4		1	9008340000

Circuit breaker ETA and car fuses*		Circuit breaker 1180	
Rated voltage		65 V DC / 250 V AC	
Rated current	A	0.1...10	
Switching capacity	A	400	
Protection	IP	40	

Rated current circuit breaker	A	Circuit breaker 1180 Order No.		Order No.
		0.1	1278840000	2	1278970000
		0.2	1278850000	2.5	1278980000
		0.25	1278860000	3	1278990000
		0.3	1278870000	3.5	1279010000
		0.4	1278880000	4	1279020000
		0.5	1278910000	5	1279030000
		0.6	1278920000	6	1279040000
		0.7	1278930000	7	1279050000
		0.8	1278940000	8	1279060000
		1	1278950000	10	1279070000
		1.5	1278960000		

ETA 1180

ETA 1170

Marking systems	(see assortment in catalogue 7)
	Marking tags
	DEK 5/5 MC

*) **Note:**
not possible to order from Weidmüller

Fuse cartridges and gauge rings for Weidmüller fuse terminal blocks

Fuse cartridges

for terminal type:
PSI 6/10
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB

Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	0430300000
		0.2	quick-acting	G 20/0.20A/F	10	0430400000
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
		0.63	quick-acting	G 20/0.63A/F	10	0439000000
		1	quick-acting	G 20/1.00A/F	10	0430700000
		1.6	quick-acting	G 20/1.60A/F	10	0430800000
		2	quick-acting	G 20/2.00A/F	10	0430900000
		2.5	quick-acting	G 20/2.50A/F	10	0431000000
		3.15	quick-acting	G 20/3.15A/F	10	0431100000
		4	quick-acting	G 20/4.00A/F	10	0431200000
		5	quick-acting	G 20/5.00A/F	10	0431300000
		6.3	quick-acting	G 20/6.30A/F	10	0431400000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

for terminal type:
WSI 6

Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000
		0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
		2	quick-acting	G 25/2.00A/F BL	10	0192700000
		4	quick-acting	G 25/4.00A/F BR	10	0192800000
		6.3	quick-acting	G 25/6.30A/F GN	10	0192900000
		10	medium time-lag	G 25/10.0A/M RT	10	0193100000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

for terminal type:
WSI 4/2
WSI 6/2 GZ/DEF63

Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88

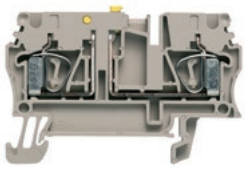
Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.5	quick-acting	GZ 0.5A/F	10	1460580000
		1	quick-acting	GZ 1.0A/F	10	1460590000
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
		5	quick-acting	GZ 5.0A/F	10	1460620000
		7	quick-acting	GZ 7.0A/F	10	1460630000
		10	quick-acting	GZ 10.0A/F	10	1460640000
		12.5	quick-acting	GZ 12.5A/F	10	1460650000

(M) = medium time-lag; (F) = quick-acting

Note: 1) The company SIBA supplies G-type cartridge fuses, 5 x 25 with indicator, also in marine engineering version for 450 V~.

ZTR 2.5 — 2.5 mm²

Two connections



Width/Height/Depth	5.1 x 59.5 x 38.5 mm
max. current / max. cond. cross-section	**20 / 4** A/mm²
Max. clamping range	**0.05...4** mm²

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	500	600	600	
Rated current (A)	20	20	20	
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 30...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Twin wire-end ferrule (-)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZTR 2.5	100	**1831280000**
blue	ZTR 2.5 BL	100	**8731710000**

Note

Accessories

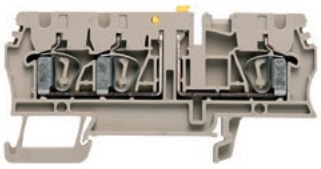
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	**1608860000**
4-pole				
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW 1		50	**1608740000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR		50	**1878570000**
With 1N4007 diode	BEST/D		50	**1878560000**
Test adapter				
Standard	ZTA 1		25	**1609040000**
With spigot	ZTA 1/ZA		25	**1609050000**
Disconnect plug				
removable, as replacement for release lever	TNST		50	**1833090000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5/3AN — 2.5 mm²

Three connections



Width/Height/Depth	5.1 x 79.5 x 38.5 mm
max. current / max. cond. cross-section	**20 / 4** A/mm²
Max. clamping range	**0.05...4** mm²

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal (V)	500	600	300	
Rated current (A)	20	20	10	
for wire cross-section (mm²)	2.5	AWG 30...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded (mm²)	0.5...4
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5
Twin wire-end ferrule (-)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Version	Type	Qty.	Order No.
dark beige	ZTR 2.5/3AN	100	**8731720000**
blue	ZTR 2.5/3AN BL	100	**8731730000**

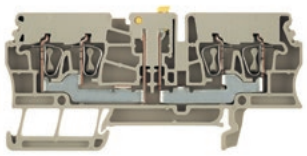
Note

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	**1608860000**
4-pole				
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	ZAP/TW 3		50	**1608800000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR		50	**1878570000**
With 1N4007 diode	BEST/D		50	**1878560000**
Test adapter				
Standard	ZTA 1		25	**1609040000**
With spigot	ZTA 1/ZA		25	**1609050000**
Disconnect plug				
removable, as replacement for release lever	TNST		50	**1833090000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

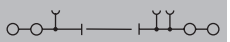
If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5/4AN — 2.5 mm²

Four connections



5.1 x 82.5 x 38.5
16 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 30...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5/4AN	100	7920900000
ZTR 2.5/4AN BL	100	7920930000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5-2 — 2.5 mm²

Two connections

5.1 x 50.5 x 43.5
21 / 2.5
0.13...2.5

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5-2	100	1779010000
ZTR 2.5-2 BL	100	1779120000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.

ZTR 6-2 — 6 mm²

Two connections

8.1 x 70 x 50
32 / 10
0.05...10

IEC	UL	CSA	EN 60079-7
690	300		
32	25		
6	AWG 22...8		
	8 kV / 3		
	A5 / V-0		

Rated connection
0.5...10 / 0.5...6
0.5...6 / 0.5...6
12 / 0.6 x 3.5 mm

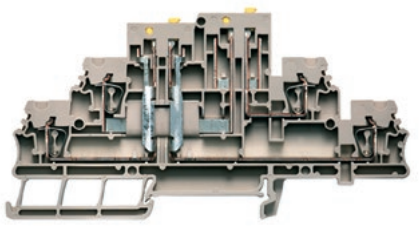
With plugged ZQV, 500 V and 6 kV.If the disconnect lever is replaced by an SIHA 3, the result is a fuse terminal.

Type	Qty.	Order No.
ZTR 6-2	50	1023830000

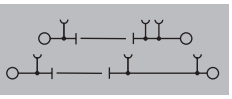
Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDTR 2.5 — 2.5 mm²

Four connections



Width/Height/Depth	mm	5.1 x 117 x 67
max. current / max. cond. cross-section	A/mm²	**16 / 4**
Max. clamping range	mm²	**0.13...4**



Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE SEV EAC cULus

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note	
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	**Type**	**Qty.**	**Order No.**
dark beige	ZDTR 2.5	20	**1745400000**
blue	ZDTR 2.5 BL	20	**1798330000**
Note			

Accessories

Pluggable cross-connection	**Type**	**current**	**Qty.**	**Order No.**
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP ZDTR2.5		20	**1745420000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Holder for cartridge fuse 5 x 20 mm				
10 - 36 V AC/DC, red LED	SIHA 2/G20 10-36V		25	**9543070000**
140 - 250 V AC/DC, red LED	SIHA 2/G20 140-250V		25	**9537640000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue	If the disconnect lever is replaced by the SIHA 2 (only on the top level), a fused terminal is created.

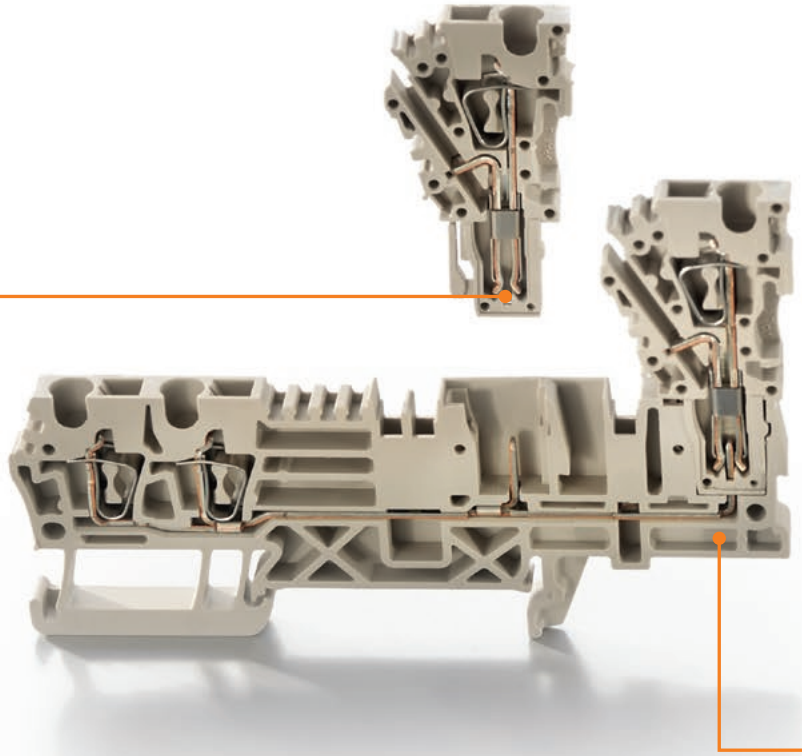
WeiCoS pluggable terminal block system

Connecting prefabricated functional units with speed and versatility

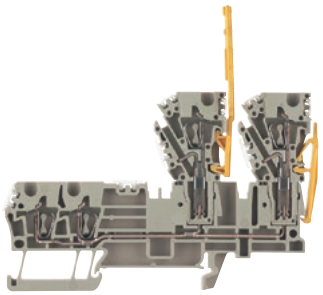
Our pluggable terminal rails with tension-clamp connections enable you to change functional units in the electrical cabinet quickly and simply.

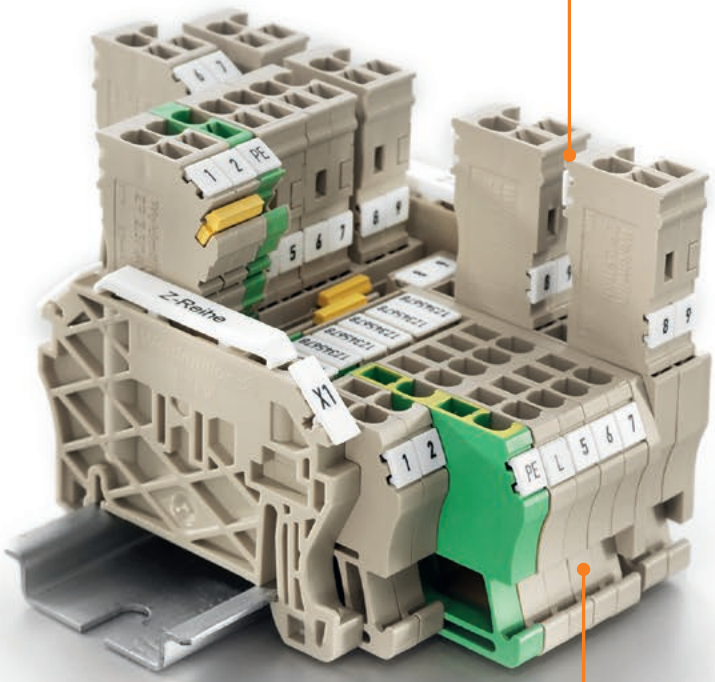
Modular and flexible connection systems are especially in demand where complete functional units have to be prefabricated or replaced.
Here WeiCoS (Weidmüller Connection System) – pluggable terminal blocks – show their full strengths. Quickly mounted, fully factory testable functional units which are faster and easier to replace.

Reliable connection
Terminal rails and plugs have tension-clamp connections that separate the electrical and mechanical functions from each other. The steel tension clamps as well as the external plug contacts ensure optimum contact forces; the copper busbars, lower voltage drops.

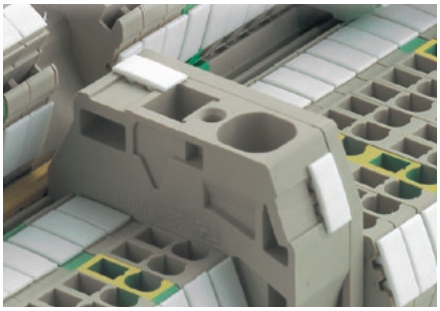


Solid interlock
All the connectors can be locked securely to the base terminals using locking elements.

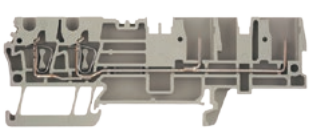




Power supply
Power is supplied using standard Z-series terminal blocks or with power supply terminals.

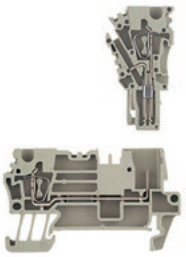


Simple operation
The parallel direction of wire entries and screwdriver operating direction means that you have a practical connection with the TOP connection system for which no special tools are needed. Test points are integrated.



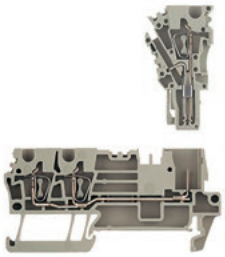
ZT 2.5/2AN/1 — 2.5 mm²

1 tension clamp connection / 1 pluggable connection



ZT 2.5/3AN/1 — 2.5 mm²

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	mm	5.1 x 58 x 34.5
max. current / max. cond. cross-section	A/mm²	24 / 4
Max. clamping range	mm²	0.13...4

Width/Height/Depth	mm	5.1 x 71.5 x 34.5
max. current / max. cond. cross-section	A/mm²	24 / 4
Max. clamping range	mm²	0.13...4

Technical data

Rated data		ZT 2.5/2AN/1	ZT 2.5/3AN/1
Rated voltage	V	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1
Max. voltage of clamp support & pluggable system	V		
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Clamped conductors (H05V/H07V)		ZT 2.5/2AN/1	ZT 2.5/3AN/1
Solid / Stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Rated connection	Plug-in connection

Note	ZT 2.5/2AN/1	ZT 2.5/3AN/1
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Ordering data

	Type	Qty.	Order No.
dark beige	ZT 2.5/2AN/1	50	1815070000
blue	ZT 2.5/2AN/1 BL	50	1295550000

Plug-in connector

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Qty.	Order No.
ZT 2.5/3AN/1	50	1815090000
ZT 2.5/3AN/1 BL	50	1304720000

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Note

Accessories

Pluggable cross-connection

Type	current	Qty.	Order No.
2-pole ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole ZQV 2.5N/10 GE	24 A	20	1693880000

End plate / Partition plate

dark beige ZAP/TW ZT2.5/2AN		50	1816030000
Orange ZAP/TW ZT2.5/2AN OR		50	1816040000

Test adapter

Standard ZTA ZT2.5		25	1827080000
With spigot ZTA ZT2.5/ZA		25	1847600000

Miscellaneous accessories WeiCoS

Locking element ZVR ZP2.5		25	1816130000
Coding element KOSF ZT2.5		50	1816150000
Strain relief ZZE ZP2.5		25	1816140000

Screwdriver

Standard SDIS SL 0.6X3.5X100		1	1274660000

Identification systems

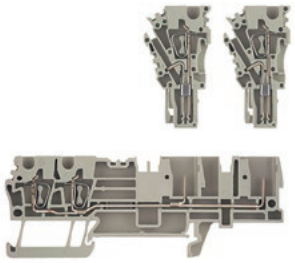
DEK 5/6 MC NE WS		1000	1609820000
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/3AN		50	1816050000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZT 2.5/4AN/2 — 2.5 mm²

2 tension clamp connections / 2 pluggable connections



5.1 x 93 x 34.5
24 / 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

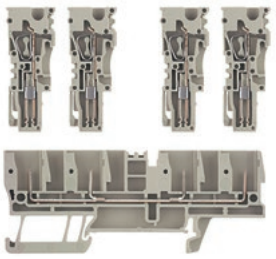
Type	Qty.	Order No.
ZT 2.5/4AN/2	50	1815110000

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

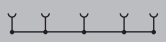
Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/4AN/2		50	1816070000
ZAP/TW ZT2.5/4AN/2 OR		50	1816080000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZT 2.5/4AN/4 — 2.5 mm²

4 pluggable connections



5.1 x 85.5 x 34.5
24 /



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	/ V-0		

Rated connection	Plug-in connection

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/4	50	1815130000

Type	Qty.	Order No.
ZP 2.5/1AN/1	50	1815430000
ZP 2.5/1AN/2	25	1815440000
ZP 2.5/1AN/3	25	1815450000
ZP 2.5/1AN/4	25	1815500000
ZP 2.5/1AN/5	25	1815510000
ZP 2.5/1AN/6	25	1815520000
ZP 2.5/1AN/7	25	1815530000
ZP 2.5/1AN/8	20	1815540000
ZP 2.5/1AN/9	20	1815550000
ZP 2.5/1AN/10	20	1815560000

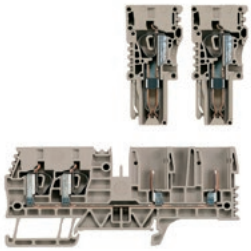
Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/4AN/4		50	1816090000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZT 4/2AN/1 — 4 mm²

1 tension clamp connection / 1 pluggable connection

ZT 4/4AN/2 — 4 mm²

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

ZT 4/2AN/1	ZT 4/4AN/2
6.5 x 58 x 43	6.5 x 100.5 x 43
32 / 6	**32 / 6**
0.13...6	**0.13...6**

Technical data

Rated data	ZT 4/2AN/1	ZT 4/4AN/2
Rated voltage (V)	800	800
Max. voltage of clamp support & pluggable system (V)	800	800
Rated current (A)	32	32
for wire cross-section (mm²)	4	4
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
800			
32	28	28	
4	AWG 26...10	AWG 26...10	

CE cULus EAC

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...6	
Flexible / Flexible with ferrule (mm²)	0.5...6 / 0.5...4	
Stripping length / Blade size (mm/-)	12 / 0.6 x 3.5 mm	

Note	
	CSA current and voltage, acc. to Gr. C

Ordering data

	Type	Qty.	Order No.
	ZT 4/2AN/1	50	1854960000
dark beige	ZT 4/2AN/1 BL	50	1312830000
Plug-in connector			
	ZP 4/1AN/1	50	1848340000
	ZP 4/1AN/2	25	1854990000
	ZP 4/1AN/3	25	1855000000
	ZP 4/1AN/4	25	1855010000
	ZP 4/1AN/5	20	1855020000
	ZP 4/1AN/6	20	1855030000
	ZP 4/1AN/7	20	1855040000
	ZP 4/1AN/8	20	1855050000
	ZP 4/1AN/9	10	1855060000
	ZP 4/1AN/10	10	1855070000

Note

	Type	Qty.	Order No.
	ZT 4/4AN/2	50	1848350000
	ZP 4/1AN/1	50	1848340000
	ZP 4/1AN/2	25	1854990000
	ZP 4/1AN/3	25	1855000000
	ZP 4/1AN/4	25	1855010000
	ZP 4/1AN/5	20	1855020000
	ZP 4/1AN/6	20	1855030000
	ZP 4/1AN/7	20	1855040000
	ZP 4/1AN/8	20	1855050000
	ZP 4/1AN/9	10	1855060000
	ZP 4/1AN/10	10	1855070000

Accessories

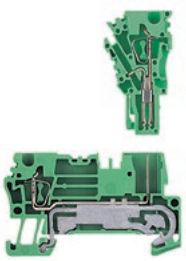
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 4/2 GE	32 A	60	1608950000
End plate / Partition plate				
dark beige	ZAP/TW ZT4/2AN		50	1855220000
Orange	ZAP/TW ZT4/2AN OR		50	1855230000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

	Type	current	Qty.	Order No.
	ZQV 4/2 GE	32 A	60	1608950000
	ZAP/TW ZT4/4AN/2		50	1848360000
	ZVR ZP4		25	1855250000
	KOSF ZT4		50	1856860000
	ZZE ZP4		25	1855260000
	SDIS SL 0.6X3.5X100		1	1274660000
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

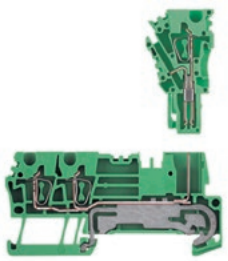
ZTPE 2.5/2AN/1 — 2.5 mm²

1 tension clamp connection / 1 pluggable connection



ZTPE 2.5/3AN/1 — 2.5 mm²

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

5.1 x 58 x 34.5	
/ 4	
0.13...4	

5.1 x 71.5 x 34.5	
/ 4	
0.13...4	

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

Note	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm²)			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm²)			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
ZTPE 2.5/2AN/1	50	**1815080000**

Type	Qty.	Order No.
ZTPE 2.5/3AN/1	50	**1815100000**

Accessories

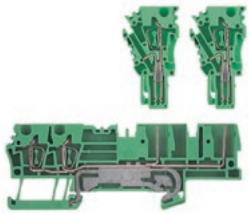
End plate / Partition plate			
dark beige	ZAP/TW ZT2.5/2AN	50	**1816030000**
Orange	ZAP/TW ZT2.5/2AN OR	50	**1816040000**
Test adapter			
Standard	ZTA ZT2.5	25	**1827080000**
With spigot	ZTA ZT2.5/ZA	25	**1847600000**
Miscellaneous accessories WeiCoS			
Locking element	ZVR ZP2.5	25	**1816130000**
Coding element	KOSF ZT2.5	50	**1816150000**
Strain relief	ZZE ZP2.5	25	**1816140000**
Screwdriver			
Standard	SDIS SL 0.6X3.5X100	1	**1274660000**
Identification systems			
	DEK 5/5 MC NE WS	1000	**1609801044**
	WS 10/5 MC NE WS	720	**1635000000**
	DEK 5/5 MM WS	800	**2007110000**
	WS 8/5 MM WS	800	**2007150000**

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/3AN		50	**1816050000**
ZTA ZT2.5		25	**1827080000**
ZTA ZT2.5/ZA		25	**1847600000**
ZVR ZP2.5		25	**1816130000**
KOSF ZT2.5		50	**1816150000**
ZZE ZP2.5		25	**1816140000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

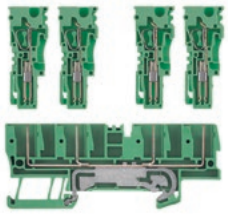
ZTPE 2.5/4AN/2 — 2.5 mm²

2 tension clamp connections / 2 pluggable connections

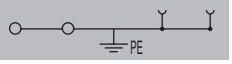


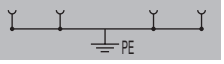
ZTPE 2.5/4AN/4 — 2.5 mm²

4 pluggable connections



		ZTPE 2.5/4AN/2	ZTPE 2.5/4AN/4
Width/Height/Depth	mm	5.1 x 93 x 34.5	5.1 x 85.5 x 34.5
max. current / max. cond. cross-section	-/mm²	/ 4	/ 4
Max. clamping range	mm²	0.13...4	0.13...4





Technical data

Rated data		ZTPE 2.5/4AN/2	ZTPE 2.5/4AN/4
		IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	500 / 300	500 / 300
Max. voltage of clamp support & pluggable system	V	690	690
Rated short-time current		300 (2.5 mm²)	300 (2.5 mm²)
for wire cross-section	mm²	2.5 / AWG 26...12	2.5 / AWG 26...12
Rated impulse withstand voltage / Pollution severity		/ 3	/ 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A2 / V-0	A2 / V-0
Approvals			
Clamped conductors (H05V/H07V)		**Rated connection / Plug-in connection**	**Rated connection / Plug-in connection**
Solid / Stranded	mm²	0.5...4	0.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

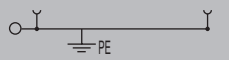
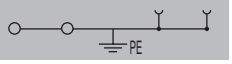
Version		Type	Qty.	Order No.
	green/yellow	ZTPE 2.5/4AN/2	50	1815120000
		ZTPE 2.5/4AN/4	50	1815140000

Accessories

		Type	current	Qty.	Order No.
End plate / Partition plate					
	dark beige	ZAP/TW ZT2.5/4AN/2		50	1816070000
	Orange	ZAP/TW ZT2.5/4AN/2 OR		50	1816080000
Test adapter					
	Standard	ZTA ZT2.5		25	1827080000
	With spigot	ZTA ZT2.5/ZA		25	1847600000
Miscellaneous accessories WeiCoS					
	Locking element	ZVR ZP2.5		25	1816130000
	Coding element	KOSF ZT2.5		50	1816150000
	Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver					
	Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems					
		DEK 5/5 MC NE WS		1000	1609801044
		WS 10/5 MC NE WS		720	1635000000
		DEK 5/5 MM WS		800	2007110000
		WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/4AN/4		50	1816090000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

	ZTPE 4/2AN/1	4 mm²	ZTPE 4/4AN/2	4 mm²
	1 tension clamp connection / 1 pluggable connection		2 tension clamp connections / 2 pluggable connections	
Width/Height/Depth mm	6.5 x 58 x 43		6.5 x 100.5 x 43	
max. current / max. cond. cross-section -/mm²	/ 6		/ 6	
Max. clamping range mm²	0.13...6 		0.13...6 	

Technical data

Rated data						
Rated voltage	V	IEC 61984, In accordance with IEC 60947-7-1				
Max. voltage of clamp support & pluggable system	V	IEC	UL	CSA	EN 60079-7	
Rated short-time current		500				
for wire cross-section	mm²	800				
Rated impulse withstand voltage / Pollution severity		480 (4 mm²)				
Gauge to IEC 60947-1 / UL 94 flammability rating		4	AWG 26...10	AWG 26...10		
Approvals		/ 3				
		A3 / V-0				
		CE SR cULus EAC				
Clamped conductors (H05V/H07V)		**Rated connection**		**Plug-in connection**		
Solid / Stranded	mm²	0.5...6				
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...4				
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm				
Note		2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.				

		IEC 61984, In accordance with IEC 60947-7-1				
		IEC	UL	CSA	EN 60079-7	
		500				
		800				
		480 (4 mm²)				
		4	AWG 26...10	AWG 26...10		
		/ 3				
		A3 / V-0				
		CE SR cULus EAC				
		Rated connection		**Plug-in connection**		
		0.5...6				
		0.5...6 / 0.5...4				
		12 / 0.6 x 3.5 mm				

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZTPE 4/2AN/1	50	1854970000
Note			

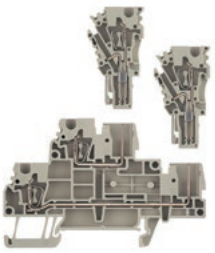
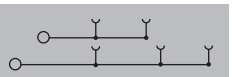
Type	Qty.	Order No.
ZTPE 4/4AN/2	50	1848330000

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW ZT4/2AN		50	1855220000
Orange	ZAP/TW ZT4/2AN OR		50	1855230000
Test adapter				
Standard	ZTA ZT2.5		25	1827080000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000
DIN A4 sheets				
Paper	ESO 7 DIN A4 WS		10	1607720000
Protective strip				
	STR 7 F.SCHT 7		20	0515300000

Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ESO 7 DIN A4 WS		10	1607720000
STR 7 F.SCHT 7		20	0515300000

For detailed information on other accessories and application in the online catalogue

	ZDT 2.5/2	2.5 mm²	ZDT 2.5/2 V	2.5 mm²
	Two potentials feasible			
				
Width/Height/Depth mm	5.1 x 80.5 x 52		5.1 x 80.5 x 52	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
Max. clamping range mm²	**0.13...4**		**0.13...4**	

Technical data

	ZDT 2.5/2	ZDT 2.5/2 V
Rated data		
Rated voltage V	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1
Max. voltage of clamp support & pluggable system V		
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

	ZDT 2.5/2	ZDT 2.5/2 V
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Stripping length / Blade size mm/-		
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

	Type	Qty.	Order No.
dark beige	ZDT 2.5/2	50	1815150000
blue	ZDT 2.5/2 BL	50	1348970000
Plug-in connector	**Type**	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000
Note			

	Type	Qty.	Order No.
	ZDT 2.5/2 V	50	1084770000
	ZDT 2.5/2 V BL	50	1348950000
	Type	**Qty.**	**Order No.**
	ZP 2.5/1AN/QV/1	50	1815190000
	ZP 2.5/1AN/QV/2	25	1815200000
	ZP 2.5/1AN/QV/3	25	1815210000
	ZP 2.5/1AN/QV/4	25	1815220000
	ZP 2.5/1AN/QV/5	25	1815230000
	ZP 2.5/1AN/QV/6	25	1815240000
	ZP 2.5/1AN/QV/7	25	1815250000
	ZP 2.5/1AN/QV/8	20	1815260000
	ZP 2.5/1AN/QV/9	20	1815270000
	ZP 2.5/1AN/QV/10	20	1815280000

Accessories

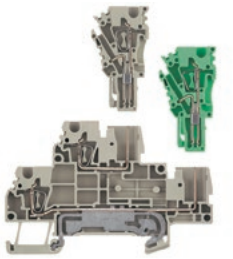
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	ZAP/TW ZDT2.5/2		50	1816110000
Test adapter				
Standard	ZTA ZT2.5		25	1827080000
With spigot	ZTA ZT2.5/ZA		25	1847600000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type	current	Qty.	Order No.
	ZQV 2.5N/2 GE	24 A	60	1693800000
	ZQV 2.5N/10 GE	24 A	20	1693880000
	ZAP/TW ZDT2.5/2		50	1816110000
	ZTA ZT2.5		25	1827080000
	ZTA ZT2.5/ZA		25	1847600000
	ZVR ZP2.5		25	1816130000
	KOSF ZT2.5		50	1816150000
	ZZE ZP2.5		25	1816140000
	SDS 0.6X3.5X100		1	9008330000
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

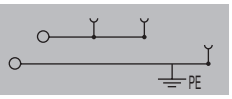
For detailed information on other accessories and application in the online catalogue	ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.	

ZDT 2.5/2 DU-PE — 2.5 mm²

Phase - PE conductor



5.1 x 80.5 x 52
24 / 4
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDT 2.5/2 DU-PE	50	**1815160000**

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	**1815190000**
ZP 2.5/1AN/QV/2	25	**1815200000**
ZP 2.5/1AN/QV/3	25	**1815210000**
ZP 2.5/1AN/QV/4	25	**1815220000**
ZP 2.5/1AN/QV/5	25	**1815230000**
ZP 2.5/1AN/QV/6	25	**1815240000**
ZP 2.5/1AN/QV/7	25	**1815250000**
ZP 2.5/1AN/QV/8	20	**1815260000**
ZP 2.5/1AN/QV/9	20	**1815270000**
ZP 2.5/1AN/QV/10	20	**1815280000**

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
ZAP/TW ZDT2.5/2		50	**1816110000**
ZTA ZT2.5		25	**1827080000**
ZTA ZT2.5/ZA		25	**1847600000**
ZVR ZP2.5		25	**1816130000**
KOSF ZT2.5		50	**1816150000**
ZZE ZP2.5		25	**1816140000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/5 MC NE WS		1000	**1609801044**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

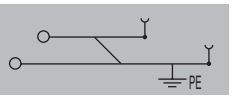
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDT 2.5/2 PE — 2.5 mm²

2 tension clamp connections / 2 pluggable connections

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

5.1 x 80.5 x 52	
/ 4	
0.13...4	



IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500		300	
Max. voltage of clamp support & pluggable system V	690			
Rated short-time current	300 (2.5 mm²)			
for wire cross-section mm²	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity			/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...4	
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZDT 2.5/2 PE	50	1815170000

Note

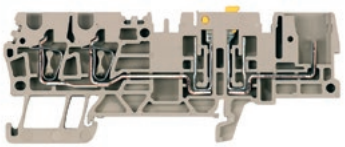
Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	ZAP/TW ZDT2.5/2		50	1816110000
Test adapter				
Standard	ZTA ZT2.5		25	1827080000
With spigot	ZTA ZT2.5/ZA		25	1847600000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP2.5		25	1816130000
Coding element	KOSF ZT2.5		50	1816150000
Strain relief	ZZE ZP2.5		25	1816140000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

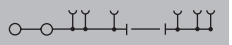
For detailed information on other accessories and application in the online catalogue

ZTTR 2.5 — 2.5 mm²

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.1 x 87 x 36	
18 / 4	
0.13...4	

IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	600	300	
Max. voltage of clamp support & pluggable system	-				
Rated current	A	16	16	16	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	Plug-in connection
Solid / Stranded	mm²	0.5...4	
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	

Note	
	CSA current and voltage, acc. to Gr. B

Ordering data

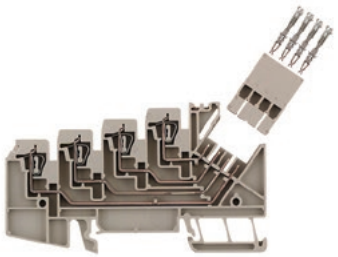
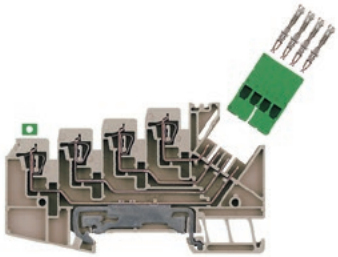
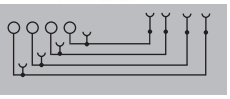
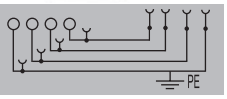
Version	Type	Qty.	Order No.
dark beige	ZTTR 2.5	50	1865510000
without isolator, dark beige	ZTTR 2.5 O.TNHE	50	1905470000

Note	
	Please contact customer support when planning your installation with SIHA.

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	ZAP/TW ZTTR2.5		50	1865520000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	
	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

	ZRV 1.5	1.5 mm²	ZRV 1,5/PE	1.5 mm²
	Base terminal - plug		Base terminal - plug	
				
Width/Height/Depth mm	5.1 x 89.5 x 52		5.1 x 89.5 x 52	
max. current / max. cond. cross-section -/mm²	/ 2.5		/ 2.5	
Max. clamping range mm²	0.13...2.5		0.13...2.5	

Technical data

Rated data							
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	63	150			63	150		
Max. voltage of clamp support & pluggable system -								
Rated current A	4	10			4	10		
for wire cross-section mm²	1.5	AWG 26...14			1.5	AWG 26...14		
Rated impulse withstand voltage / Pollution severity			1.5 kV / 3				1.5 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A1 / V-0				A1 / V-0	
Approvals	IEC 61984, In accordance with IEC 60947-7-1				IEC 61984, In accordance with IEC 60947-7-1			
Clamped conductors (H05V/H07V)								
Solid / Stranded mm²	0.5...2.5				0.5...2.5			
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5				0.5...2.5 / 0.5...1.5			
Stripping length / Blade size mm/-	8 / 0.6 x 3.5 mm				8 / 0.6 x 3.5 mm			
Note								

Ordering data

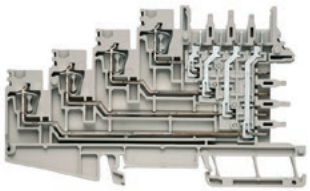
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
Base terminal	ZRV 1.5	50	1698160000	ZRV 1.5/PE	50	1698170000
Note						

Accessories

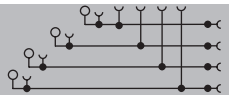
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 2.5/2		60	1608860000	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000	ZQV 2.5/10	24 A	20	1608940000
STGH plug housing								
With spigot	STGH 4 ZRV1.5		50	1698190000	STGH 4 ZRV1.5/PE GN		50	1698200000
Without peg								
Crimp contacts								
Reel packaged								
Reel packaged								
Reel packaged								
Single contacts	DFFC 0.2-0.35 ZRV1.5		500	1705310000	DFFC 0.2-0.35 ZRV1.5		500	1705310000
Single contacts	DFFC .5-1.0 ZRV1.5		500	1705320000	DFFC .5-1.0 ZRV1.5		500	1705320000
Single contacts								
Test adapter								
Plug housing black								
Black plug enclosure								
End plate / Partition plate								
beige Wemid								
dark brown	AP ZRV1.5 DB		10	1698180000	AP ZRV1.5 DB		10	1698180000
Tools								
Crimping tool	HTF ZRV		1	9014840000	HTF ZRV		1	9014840000
Mounting tool								
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZRV 2.5/2 — 2.5 mm²



5.2 x 115 x 69.5
10 / 4
0.21...4



IEC 61984, In accordance with IEC 60947-7-1

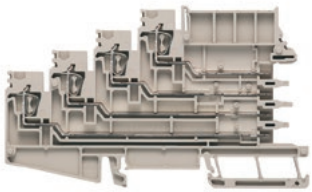
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
2.5	AWG 24...14	AWG 26...14	
	4 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

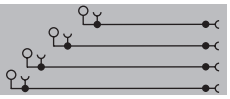
Type	Qty.	Order No.
ZRV 2.5/2	50	1906970000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH 0.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35		5000	1854750000
FEKO ZRV2.5 0.5-1		5000	1854760000
FEKO ZRV2.5 1.5-2.5		4200	1848480000
FEKO ET ZRV2.5 0.2-0.35		500	1893940000
FEKO ET ZRV2.5 0.5-1		500	1893970000
FEKO ET ZRV2.5 1.5-2.5		500	1893990000
STGH 0.R/SW ZRV2.5		25	1898420000
STGH 0.ZA/0.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

ZRV 2.5/1 — 2.5 mm²



5.2 x 115 x 69.5
/ 4
0.5...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
10	10		
2.5	AWG 24...14		
	4 kV / 3		
	/ V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/1	50	1906960000

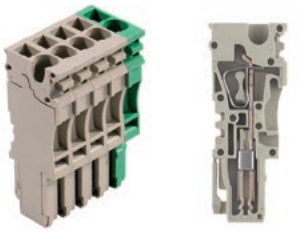
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH 0.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35		5000	1854750000
FEKO ZRV2.5 0.5-1		5000	1854760000
FEKO ZRV2.5 1.5-2.5		4200	1848480000
FEKO ET ZRV2.5 0.2-0.35		500	1893940000
FEKO ET ZRV2.5 0.5-1		500	1893970000
FEKO ET ZRV2.5 1.5-2.5		500	1893990000
STGH 0.R/SW ZRV2.5		25	1898420000
STGH 0.ZA/0.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

ZP 2.5/1AN — 2.5 mm²

1...17-pole

ZP 2.5/1AN/GN/BE — 2.5 mm²

2 to 17-pole
Connectors each with one green pole



Width/Height/Depth	mm	5.1 x 16.5 x 41	51 x 16 x 41
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**24 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**

Technical data

IEC 60947-7-1, IEC 61984

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Max. voltage of clamp support & pluggable system	V	690			
Rated current	A	24	20	20	
for wire cross-section	mm²	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	Plug-in connection
Solid / Stranded	mm²	0.5...4	
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Max. voltage of clamp support & pluggable system	V	690			
Rated current	A	24	20	20	
for wire cross-section	mm²	2.5	AWG 26...12		
Rated impulse withstand voltage / Pollution severity			6 kV /		
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0		
Approvals					

Clamped conductors (H05V/H07V)		Rated connection	Plug-in connection
Solid / Stranded	mm²	0.5...4	
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5	
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
1-pin	ZP 2.5/1AN/1	50	**1815430000**
2-pin	ZP 2.5/1AN/2	25	**1815440000**
3-pin	ZP 2.5/1AN/3	25	**1815450000**
4-pin	ZP 2.5/1AN/4	25	**1815500000**
5-pin	ZP 2.5/1AN/5	25	**1815510000**
6-pin	ZP 2.5/1AN/6	25	**1815520000**
7-pin	ZP 2.5/1AN/7	25	**1815530000**
8-pin	ZP 2.5/1AN/8	20	**1815540000**
9-pin	ZP 2.5/1AN/9	20	**1815550000**
10-pin	ZP 2.5/1AN/10	20	**1815560000**
11-pin	ZP 2.5/1AN/11	20	**1815570000**
12-pin	ZP 2.5/1AN/12	20	**1815580000**
13-pin	ZP 2.5/1AN/13	10	**1815590000**
14-pin	ZP 2.5/1AN/14	10	**1815600000**
15-pin	ZP 2.5/1AN/15	10	**1815610000**
16-pin	ZP 2.5/1AN/16	10	**1815620000**
17-pin	ZP 2.5/1AN/17	10	**1815180000**
1-pin (green)	ZP 2.5/1AN/1 GN	50	**1820580000**

Note

Type	Qty.	Order No.
ZP 2.5/1AN/2 GN/BE	25	**1867090000**
ZP 2.5/1AN/3 GN/BE	25	**1867100000**
ZP 2.5/1AN/4 GN/BE	25	**1867110000**
ZP 2.5/1AN/5 GN/BE	25	**1867120000**
ZP 2.5/1AN/6 GN/BE	25	**1867130000**
ZP 2.5/1AN/7 GN/BE	25	**1867140000**
ZP 2.5/1AN/8 GN/BE	20	**1867150000**
ZP 2.5/1AN/9 GN/BE	20	**1867160000**
ZP 2.5/1AN/10 GN/BE	20	**1867170000**
ZP 2.5/1AN/11 GN/BE	20	**1867180000**
ZP 2.5/1AN/12 GN/BE	20	**1867190000**
ZP 2.5/1AN/13 GN/BE	10	**1867200000**
ZP 2.5/1AN/14 GN/BE	10	**1867210000**
ZP 2.5/1AN/15 GN/BE	10	**1867220000**
ZP 2.5/1AN/17 GN/BE	10	**1867240000**

The technical specifications are only valid for use in conjunction with PE terminals, according to DIN EN 60947-7-2.

Accessories

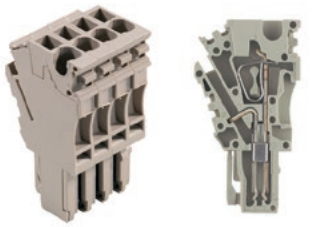
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
Test adapter				
Standard	ZTA ZT2.5		25	**1827080000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

Type	current	Qty.	Order No.
ZTA ZT2.5		25	**1827080000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

ZP 2.5/1AN/QV — 2.5 mm²

1...17-pole



5.1 x 23 x 41
24 / 4
0.13...4

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV /		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

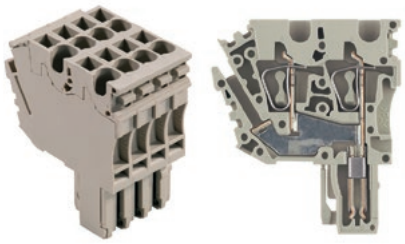
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/11	20	1815290000
ZP 2.5/1AN/QV/12	20	1815300000
ZP 2.5/1AN/QV/13	10	1815310000
ZP 2.5/1AN/QV/14	10	1815320000
ZP 2.5/1AN/QV/15	10	1815330000
ZP 2.5/1AN/QV/16	10	1815340000
ZP 2.5/1AN/QV/17	10	1815350000
ZP 2.5/1AN/QV/1 GN	50	1820570000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZP 2.5/2AN/QV — 2.5 mm²

1...16-pole



5.1 x 23 x 41
24 / 4
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

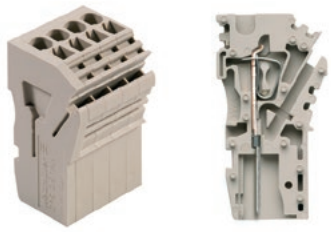
2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/2AN/QV/1	50	1815730000
ZP 2.5/2AN/QV/2	20	1815740000
ZP 2.5/2AN/QV/3	20	1815750000
ZP 2.5/2AN/QV/4	20	1815760000
ZP 2.5/2AN/QV/5	20	1815770000
ZP 2.5/2AN/QV/6	20	1815780000
ZP 2.5/2AN/QV/7	20	1815790000
ZP 2.5/2AN/QV/8	10	1815800000
ZP 2.5/2AN/QV/9	10	1815810000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/11	10	1815830000
ZP 2.5/2AN/QV/12	10	1815840000
ZP 2.5/2AN/QV/15	5	1815870000
ZP 2.5/2AN/QV/16	5	1815880000
ZP 2.5/2AN/QV/1 GN	50	1820590000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPS 2.5/1AN/QV — 2.5 mm²

2 to 16-pole
Connectors each with one green pole



5.1 x 41 x 42
24 / 4
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	24	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.13...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A

Type	Qty.	Order No.
ZPS 2.5/1AN/QV/1	50	1865880000
ZPS 2.5/1AN/QV/2	20	1865900000
ZPS 2.5/1AN/QV/3	20	1865910000
ZPS 2.5/1AN/QV/4	20	1865920000
ZPS 2.5/1AN/QV/5	20	1865930000
ZPS 2.5/1AN/QV/6	25	1865940000
ZPS 2.5/1AN/QV/7	20	1865950000
ZPS 2.5/1AN/QV/8	10	1865960000
ZPS 2.5/1AN/QV/9	10	1865970000
ZPS 2.5/1AN/QV/10	10	1865980000
ZPS 2.5/1AN/QV/12	10	1866000000
ZPS 2.5/1AN/QV/14	10	1866070000
ZPS 2.5/1AN/QV/15	10	1866030000
ZPS 2.5/1AN/QV/16	10	1866040000

Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

ZP 4/1AN — 4 mm²

1...16-pole

Width/Height/Depth	mm	6.5 x 22.5 x 47.5
max. current / max. cond. cross-section	A/mm²	**32 / 6**
Max. clamping range	mm²	**0.13...6**

Technical data

IEC 60947-7-1, IEC 61984

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	
Max. voltage of clamp support & pluggable system -				
Rated current A	32	28	28	
for wire cross-section mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...6	
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...4	
Stripping length / Blade size mm/-	12 / 0.6 x 3.5 mm	

Note
CSA current and voltage, acc. to Gr. C

Ordering data

Version	Type	Qty.	Order No.
1-pin	ZP 4/1AN/1	50	**1848340000**
2-pin	ZP 4/1AN/2	25	**1854990000**
3-pin	ZP 4/1AN/3	25	**1855000000**
4-pin	ZP 4/1AN/4	25	**1855010000**
5-pin	ZP 4/1AN/5	20	**1855020000**
6-pin	ZP 4/1AN/6	20	**1855030000**
7-pin	ZP 4/1AN/7	20	**1855040000**
8-pin	ZP 4/1AN/8	20	**1855050000**
9-pin	ZP 4/1AN/9	10	**1855060000**
10-pin	ZP 4/1AN/10	10	**1855070000**
11-pin	ZP 4/1AN/11	20	**1855080000**
12-pin	ZP 4/1AN/12	10	**1855090000**
13-pin	ZP 4/1AN/13	10	**1855100000**
14-pin	ZP 4/1AN/14	10	**1855110000**
15-pin			
16-pin			
17-pin			
1-pin (green)	ZP 4/1AN/1 GN	50	**1854980000**

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
Test adapter				
Standard				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/6 MC NE WS		600	**1828450000**

For detailed information on other accessories and application in the online catalogue

Single plates for individual assembly

The WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

WeiCoS plug

- Marking option

ZP 2.5/1AN ZA

End plate

Ordering data		Type	Qty.	Order No.
2,5 mm²	dark beige	ZP 2.5/1AN ZA	50	1875190000
	blue	ZP 2.5/1AN ZA BL	50	1009070000
	green	ZP 2.5/1AN ZA GN	50	1875200000
4,0 mm²	dunkelbeige	ZP 4/1AN ZA	50	1051940000
	blue	ZP 4/1AN ZA BL	50	1356790000
	green	ZP 4/1AN ZA GN	50	1051950000
Note				

ZP 2.5/1AN ZA O.RA

Middle plate or end plate

Type	Qty.	Order No.
ZP 2.5/1AN ZA O.RA	50	1875210000
ZP 2.5/1AN ZA O.RA BL	50	1972980000
ZP 2.5/1AN ZA O.RA GN	50	1875220000
ZP 4/1AN ZA O.RA	50	1051910000
ZP 4/1AN ZA O.RA BL	50	2449680000

ZP 2.5/1AN

Start plate

Type	Qty.	Order No.
ZP 2.5/1AN	50	1875150000
ZP 2.5/1AN BL	50	1009060000
ZP 2.5/1AN GN	50	1875180000
ZP 4/1AN	50	1051970000
ZP 4/1AN BL	50	1321720000
ZP 4/1AN GN	50	1051980000

WeiCoS plug

- Marking option
- Cross-connection option

ZP 2.5/1AN/QV ZA

End plate

Ordering data		Type	Qty.	Order No.
2,5 mm²	dark beige	ZP 2.5/1AN/QV ZA	50	1007930000
	blue			
	green	ZP 2.5/1AN/QV ZA GN	50	1007950000
Note				

ZP 2.5/1AN/QV ZA O.RA

Middle plate or end plate

Type	Qty.	Order No.
ZP 2.5/1AN/QV ZA O.RA	50	1007960000
ZP 2.5/1AN/QV ZAO.RA BL	50	1007970000
ZP 2.5/1AN/QV ZAO.RA GN	50	1007980000

ZP 2.5/1AN/QV

Start plate

Type	Qty.	Order No.
ZP 2.5/1AN/QV	50	1007900000
ZP 2.5/1AN/QV GN	50	1007920000

WeiCoS coupling

- Marking option
- Cross-connection option

ZPS 2.5/1AN/QV/1

Individual plate

Ordering data		Type	Qty.	Order No.
2,5 mm²	dark beige	ZPS 2.5/1AN/QV/1	50	1861040000
	green	ZPS 2.5/1AN/QV/1 GN	50	1861050000
Note				

GHDE ZPS2.5/1AN

Cover

Type	Qty.	Order No.
GHDE ZPS2.5/1AN	50	1866070000

Application

Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data	
2.5 mm²	
4.0 mm²	
Note	

KOSF ZT

Coding element

Type	Qty.	Order No.
KOSF ZT2.5	50	1816150000
KOSF ZT4	50	1856860000

Application

Interlock

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

Ordering data	
2.5 mm²	
4.0 mm²	
Note	

ZVR ZP 2.5

Locking element

Type	Qty.	Order No.
ZVR ZP2.5	25	1816130000
ZVR ZP4	25	1855250000

ZVR ZPS 2.5

Interlock

Type	Qty.	Order No.
ZVR ZPS2.5	20	1878620000

Application ZVR ZP

Strain reliefs / Protective cover

- ZVR ZP a strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protection of the contact point from dirt

Ordering data	
2.5 mm²	
4.0 mm²	
Note	

ZZE ZP

Cable grip

Type	Qty.	Order No.
ZZE ZP2.5	25	1816140000
ZZE ZP2.5/4	25	1866220000
ZZE ZP2.5/8	25	1866230000
ZZE ZP4	25	1855260000

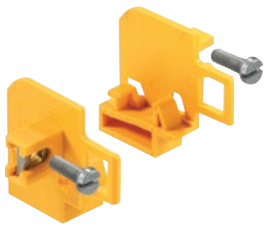
ZAD ZT / ZPS

Protective cover

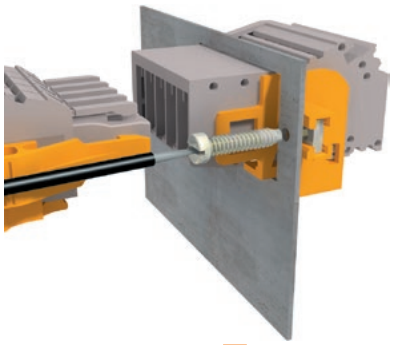
Type	Qty.	Order No.
ZAD ZT/ZPS2.5	25	1861030000

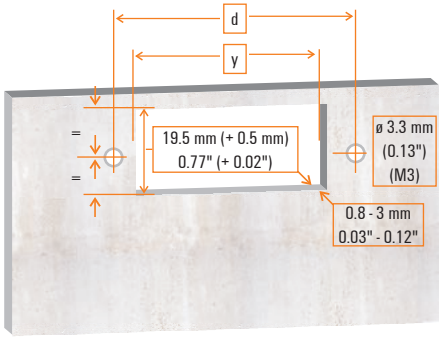
Application ZZE ZP

Screwed through-wall fixing



Type	Qty.	Order No.
ZVLA DF ZPS2.5	20	1878600000

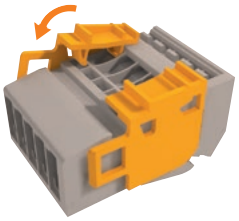




y = n x 5.1 mm + 5.5 mm
d = n x 5.1 mm + 13.5 mm

y = n x 0.25" + 0.216"
d = n x 0.25" + 0.53"

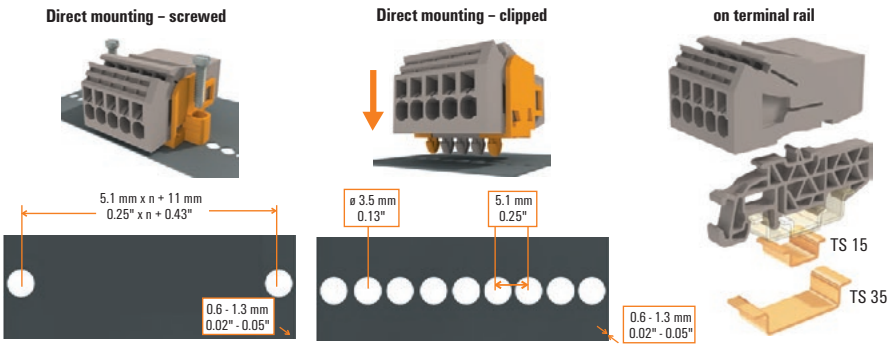
Pluggable terminal blocks



Plug-in connector system with an infinite number of combinations – but always with the same fitting method.

n-pol.	y		d	
	mm	inch(")	mm	inch(")
2-pol.	15.7	0.62	23.7	0.93
3-pol.	20.8	0.82	28.8	1.13
4-pol.	25.9	1.02	33.9	1.33
5-pol.	31.0	1.22	38.9	1.53
6-pol.	36.1	1.42	44.1	1.74
7-pol.	41.2	1.62	49.2	1.94
8-pol.	46.3	1.82	54.3	2.14
9-pol.	51.4	2.02	59.4	2.34
10-pol.	56.5	2.22	64.5	2.55
11-pol.	61.6	2.43	69.6	2.74
12-pol.	66.7	2.63	74.7	2.94
13-pol.	71.8	2.83	79.8	3.14
14-pol.	76.9	3.03	84.9	3.34
15-pol.	82.0	3.23	90.0	3.54
16-pol.	87.1	3.43	95.1	3.74

Set of fixings – coupling



Direct mounting, screwed

ZVLA SC ZPS 2.5

Plug support prevents the cable from bending at the connection point

Ordering data	Type	Qty.	Order No.
	ZVLA SC ZPS2.5	20	1866240000
Note			

BA ZPS 2.5

Ordering data	Type	Qty.	Order No.
	BA ZPS2.5	25	1908550000
Note			

Direct mounting, plugged

ZVLA RC ZPS 2.5

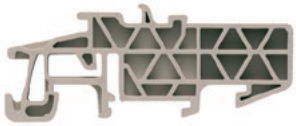
Ordering data	Type	Qty.	Order No.
	ZVLA RC ZPS2.5	20	1866260000
Note			

BA RC ZPS 2.5

Ordering data	Type	Qty.	Order No.
	BA RC ZPS2.5	25	1908560000
Note			

on terminal rail

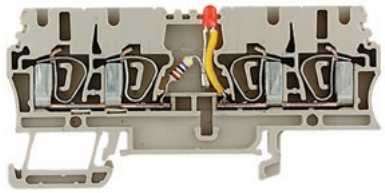
MOFU 15/35 ZPS 2.5



Ordering data	Type	Qty.	Order No.
	MOFU 15/35 ZPS2.5	25	1899170000
Note			

ZDU 2.5/2x2AN/LD+ — 2.5 mm²

LED indicator



Width/Height/Depth	5.1 x 79.5 x 38.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.05...4

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	24			
Max. voltage of clamp support & pluggable system				
Rated current	0.05			
for wire cross-section	2.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded	0.5...4	
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5	
Stripping length / Blade size	10 / 0.6 x 3.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige			
dark beige (red LED)	ZDU 2.5/2X2AN/LD+	20	1692590000

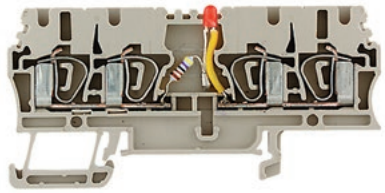
Note

Accessories

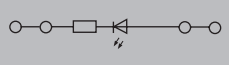
	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW 3		50	1608800000
Reducing sleeves				
For conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/V0		1000	1614290000
For conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS		1000	1614300000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

ZDU 2.5/2x2AN/LD- — 2.5 mm²

LED indicator



Width/Height/Depth	5.1 x 79.5 x 38.5
max. current / max. cond. cross-section	/ 4
Max. clamping range	0.05...4



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	24			
Max. voltage of clamp support & pluggable system				
Rated current	0.05			
for wire cross-section	2.5			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals	CE EAC			

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded	0.5...4	
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5	
Stripping length / Blade size	10 / 0.6 x 3.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige			
dark beige (red LED)	ZDU 2.5/2X2AN/LD-	20	1692600000

Note

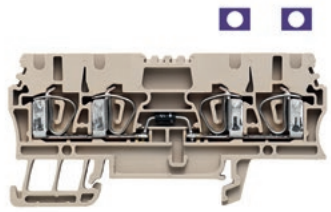
Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP/TW 3		50	1608800000
Reducing sleeves				
For conductors < 1.0 mm² / AWG 18	ZRH 2.5/2 GR/V0		1000	1614290000
For conductors < 0.5 mm² / AWG 20	ZRH 2.5/1 WS		1000	1614300000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZDU 2.5/2x2AN/D+ — 2.5 mm²

Diode circuit



5.1 x 79.5 x 38.5
/ 4
0.5...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
		6 kV / 3	
		A3 / V-0	

CE EAC

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

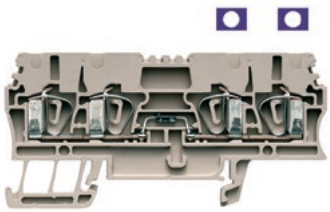
Type	Qty.	Order No.
ZDU 2.5/2X2AN/D+	20	**1650340000**

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	**1608800000**
ZRH 2.5/2 GR/VO		1000	**1614290000**
ZRH 2.5/1 WS		1000	**1614300000**
ZEW 35		20	**9540000000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

ZDU 2.5/2x2AN/D- — 2.5 mm²

Diode circuit



5.1 x 79.5 x 38.5
/ 4
0.5...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
		6 kV / 3	
		A3 / V-0	

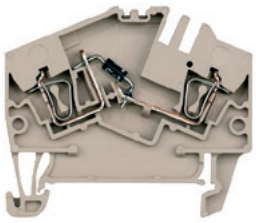
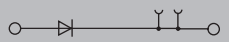
CE EAC

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D-	20	**1650350000**

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	**1608800000**
ZRH 2.5/2 GR/VO		1000	**1614290000**
ZRH 2.5/1 WS		1000	**1614300000**
ZEW 35		20	**9540000000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

	ZDU 2.5-2/D+	2.5 mm²	ZDU 2.5-2 O.EL	2.5 mm²
	Diode circuit		Diode circuit	
				
Width/Height/Depth mm	5.1 x 50.5 x 43.5		5.1 x 50.5 x 43.5	
max. current / max. cond. cross-section -/mm²	/ 2.5		/ 2.5	
Max. clamping range mm²	0.05...2.5		0.05...2.5	

Technical data

	ZDU 2.5-2/D+	ZDU 2.5-2 O.EL
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	400	400
Max. voltage of clamp support & pluggable system -		
Rated current A	1	1
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A2 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...2.5	0.5...2.5
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	0.5...2.5 / 0.5...1.5
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

	IEC	UL	CSA	EN 60079-7
ZDU 2.5-2/D+	400	600	600	
ZDU 2.5-2 O.EL	400			

	Rated connection	Plug-in connection
ZDU 2.5-2/D+	0.5...2.5	
	0.5...2.5 / 0.5...1.5	
	10 / 0.6 x 3.5 mm	
ZDU 2.5-2 O.EL	0.5...2.5	
	0.5...2.5 / 0.5...1.5	
	10 / 0.6 x 3.5 mm	

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5-2/D+	20	1779110000
dark beige (red LED)			
orange			
Note	Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A		

Version	Type	Qty.	Order No.
dark beige	ZDU 2.5-2 O.EL	20	1868870000

Accessories

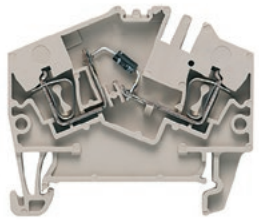
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
Blue				
dark beige	ZAP/TW7		50	1706110000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 14/5 MC NE WS		480	1768090000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Cover				
With lightning flash symbol				

Pluggable cross-connection	Type	current	Qty.	Order No.
ZQV 2.5/2			60	1608860000
ZQV 2.5/10		24 A	20	1608940000
ZAP/TW7			50	1706110000
ZEW 35			20	9540000000
SDIS SL 0.6X3.5X100			1	1274660000
ZRH 1.5H/1			1000	1678810000
ZRH 1.5H/2			1000	1678800000
DEK 5/5 MC NE WS			1000	1609801044
WS 14/5 MC NE WS			480	1768090000
DEK 5/5 MM WS			800	2007110000
WS 8/5 MM WS			800	2007150000

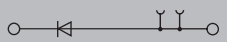
For detailed information on other accessories and application in the online catalogue

ZDU 2.5-2/D- — 2.5 mm²

Diode circuit



5.1 x 50.5 x 43.5
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE SR EAC GL KEMA UL

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

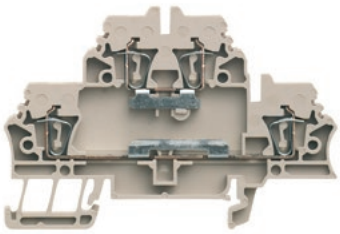
Type	Qty.	Order No.
ZDU 2.5-2/D-	20	1779000000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

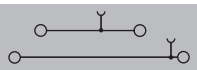
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5 EM — 2.5 mm²

Double-level terminal



5.1 x 79.5 x 53
20 / 2.5
0.05...2.5



Ex e IIII
2 G D

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm²
	6 kV / 3		
	A2 / V-0		

CE SR EAC EAC UL KEMA97ATEX4677U

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5 EM	50	1768800000
ZDK 2.5 OR	50	1694140000

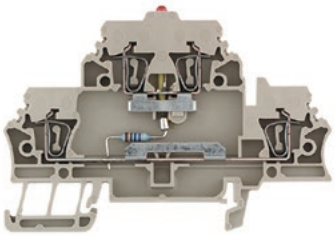
Empty electronics enclosure for do-it-yourself soldering of components.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5 BL		20	1748800000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

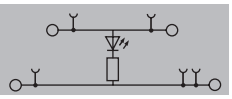
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDK 2.5/LD RT/1 — 2.5 mm²

LED circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
	/ 3		
	A2 / V-0		

CE SR EAC KEMA UL

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

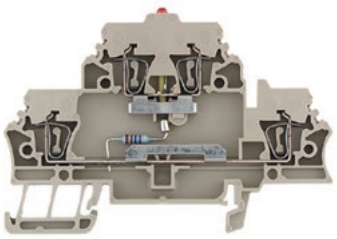
Type	Qty.	Order No.
ZDK 2.5/LD RT/1	50	1690010000

Voltage on the continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

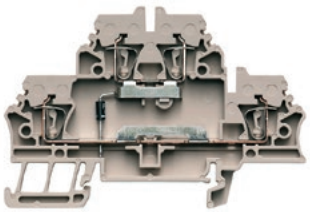
ZDK 2.5/LD RT/2 — 2.5 mm²

LED circuit

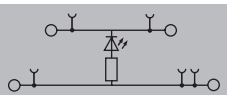


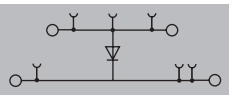
ZDK 2.5/D/1 — 2.5 mm²

Diode circuit



		ZDK 2.5/LD RT/2	ZDK 2.5/D/1
Width/Height/Depth	mm	5.1 x 79.1 x 53	5.1 x 79.1 x 53
max. current / max. cond. cross-section	-/mm²	/ 2.5	/ 2.5
Max. clamping range	mm²	0.05...2.5	0.05...2.5





Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	24			
Max. voltage of clamp support & pluggable system -				
Rated current A	10			
for wire cross-section mm²	2.5	AWG 26...14	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...2.5	
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Max. voltage of clamp support & pluggable system -				
Rated current A	10	15	10	
for wire cross-section mm²	2.5	AWG 26...14	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded mm²	0.5...2.5	
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	

Note

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Ordering data

Version	Type	Qty.	Order No.
dark beige			
dark beige (red LED)	ZDK 2.5/LD RT/2	50	1693940000
orange			

Note

Voltage on the continuous busbar = 10 A

Type	Qty.	Order No.
ZDK 2.5/D/1	50	1690020000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Accessories

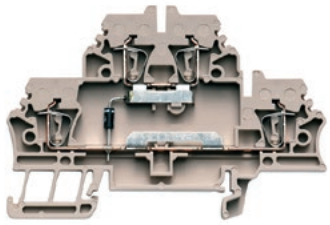
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
Blue				
dark beige	ZAP/TW ZDK2.5		20	1674730000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Cover				
With lightning flash symbol				

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
Blue				
dark beige	ZAP/TW ZDK2.5		20	1674730000
End bracket				
dark beige	ZEW 35		20	9540000000
Test adapter				
With spigot				
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves				
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Cover				
With lightning flash symbol				

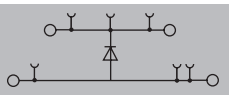
For detailed information on other accessories and application in the online catalogue

ZDK 2.5/D/2 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

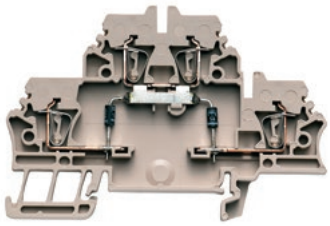
Type	Qty.	Order No.
ZDK 2.5/D/2	50	1690030000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

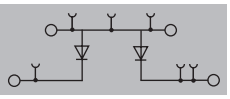
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5/D/4 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

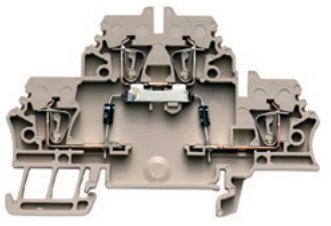
Type	Qty.	Order No.
ZDK 2.5/D/4	50	1690040000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

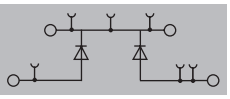
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZDK 2.5/D/5 — 2.5 mm²

Diode circuit



5.1 x 79.1 x 53
/ 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

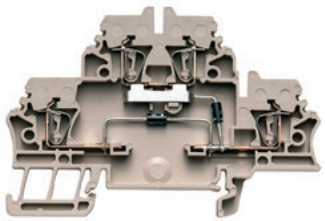
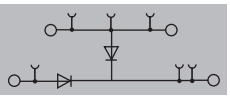
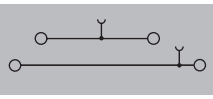
Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/5	50	1690050000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

	ZDK 2.5/D/6	2.5 mm²	ZDK 4-2 EL	4 mm²
	Diode circuit		Double-level terminal	
				
Width/Height/Depth mm	5.1 x 79.1 x 53		6.1 x 77.6 x 60	
max. current / max. cond. cross-section -/mm²	/ 2.5		32 / 6	
Max. clamping range mm²	0.05...2.5		0.13...6	

Technical data

Rated data	ZDK 2.5/D/6	ZDK 4-2 EL
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Max. voltage of clamp support & pluggable system -	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated current A	500 / 300 / 300 /	800 / 600 / /
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity	10 / 15 / 10 /	32 / 25 / /
Gauge to IEC 60947-1 / UL 94 flammability rating	2.5 / AWG 26...14 / AWG 26...12 /	4 / AWG 26...10 / /
Approvals	6 kV / 3	8 kV / 3
	A2 / V-0	A3 / V-0
	CE SR EAC KCRS cULus	CE EAC cULus
Clamped conductors (H05V/H07V)	**Rated connection / Plug-in connection**	**Rated connection / Plug-in connection**
Solid / Stranded mm²	0.5...2.5	0.5...6
Flexible / Flexible with ferrule mm²	0.5...2.5 / 0.5...1.5	0.5...4 / 0.5...4
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	ZDK 2.5/D/6	50	1690060000	ZDK 4-2 EL	50	8709760000
dark beige (red LED)						
orange						
Note	Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A					

Accessories

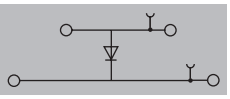
Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000	ZQV 4/2 GE	32 A	60	1608950000
10-pole	ZQV 2.5/10	24 A	20	1608940000	ZQV 4/10 GE	32 A	20	1609030000
End plate / Partition plate								
Blue								
dark beige	ZAP/TW ZDK2.5		20	1674730000	ZAP/TW ZDK4-2		50	8670760000
End bracket								
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Test adapter								
With spigot					ZTA 6/ZA		25	1780660000
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	1274660000	SDIS SL 0.6X3.5X100		1	1274660000
Reducing sleeves								
For conductors < 0.5 mm² / AWG 20	ZRH 1.5H/1		1000	1678810000				
For conductors < 1.0 mm² / AWG 18	ZRH 1.5H/2		1000	1678800000				
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044				
	WS 10/5 MC NE WS		720	1635000000				
	DEK 5/5 MM WS		800	2007110000	DEK 5/6 MM WS		600	2007120000
	WS 8/5 MM WS		800	2007150000	WS 8/6 MM WS		600	2007160000
Cover								
With lightning flash symbol	ZAD 1/4		20	1609110000				

For detailed information on other accessories and application in the online catalogue

ZDK 4-2/D forward — 4 mm²

Diode circuit

6.1 x 77.6 x 60
/ 6
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
1	1	1	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...6 / 1.5...4	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

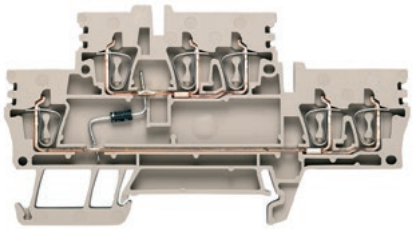
Type	Qty.	Order No.
ZDK 4-2/D forward	50	8670520000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

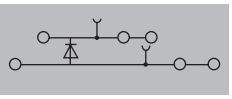
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

ZDK 2.5/3AN D2 — 4 mm²

Diode circuit



5.1 x 93 x 50.5
/ 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
1	20	24	
4	AWG 30...12	AWG 30...12	
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...2.5 / 0.21...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/3AN D2	50	1924450000

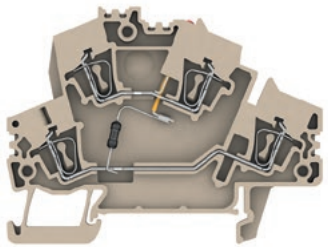
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35/2		20	8630740000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

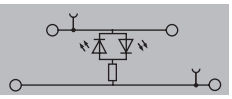
2.5 mm² wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZDK 2.5-2/LD 24 V UC — 2.5 mm²

Diode circuit



5.1 x 72.5 x 53
10 / 2.5
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
		/ 3	
		A2 / V-0	

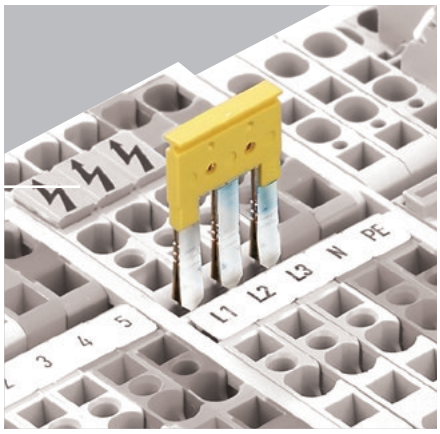
Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm² flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5-2/LD 24VUC	50	1905310000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDS 0.6X3.5X100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/15 MC NE WS		240	1854090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Pluggable Cross-Connection ZQV



The time-saving, easy-to-use cross-connection comb for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and
- **ZQV 2.5N** as 2- to 10-pole combs and
- **ZQV 4** as 2- to 10-pole combs and
- **ZQV 6** as 2- to 4-pole combs and
- **ZQV 10**, **ZQV 16** and **ZQV 35** as 2-pole combs (bridges)
- **ZQV 35-10**, **ZQV 35-16** and **ZQV 16-10** used as a reducer cross-connector distributes current from terminals with larger cross-connections to terminals with smaller cross-section.

These versions come with complete shock protection.

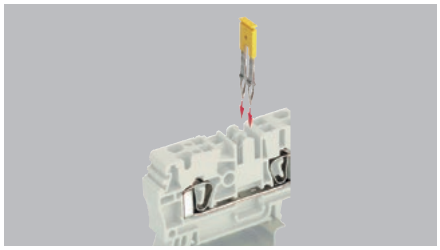
However, please note that the rated voltage is reduced to 400 V when using cross-connections. This does not apply to terminals with a rated voltage below 400 V. Here the rated voltage of the used terminal is mandatory.

Breaking out contact elements

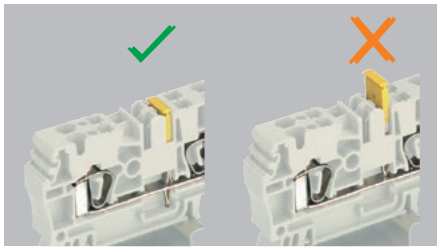
If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

Fitting and changing crossconnections

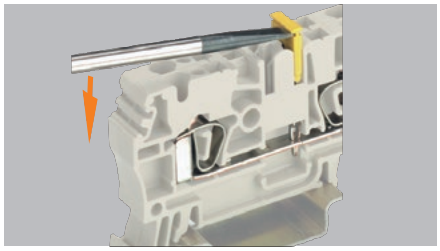
The fitting and changing of cross-connections is a trouble-free and fast operation:
– Insert the cross-connection into the cross-connection channel in the terminal...



... and press it fully home. (The cross-connection may not project from the channel.)

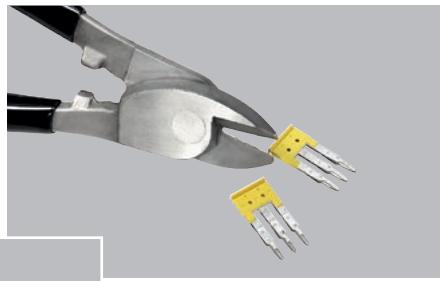


– Remove a cross-connection by simply prising it out with a screwdriver.



Shortening cross-connections

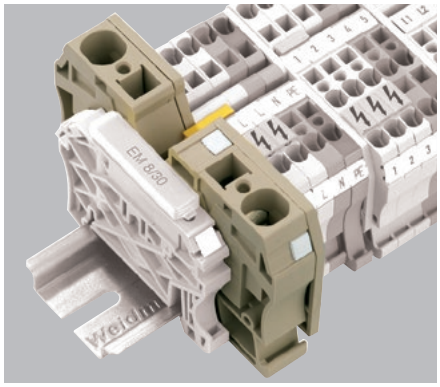
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



Caution:
Contact elements must not be deformed!

Note:
In the use of manually cut ZQV cross-connections and cross-connections with bare cut edges (>10 poles), the voltage reduces to 25 V.

ZEI 16 supply terminal



Integrated partition plate

Output possible on left and right

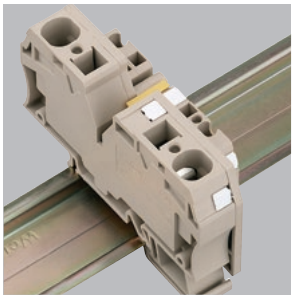
The ZEI 16 supply terminal can be used for supplying current up to a conductor cross-section of 25 mm². Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

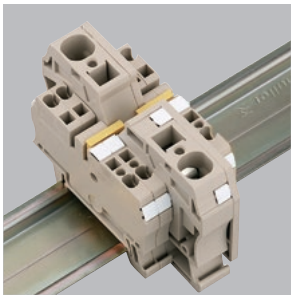
Output options and corresponding cross-connections

Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ZEI 16	ZDU 2.5	ZQV 2.5	•	•
	ZDU 2.5 3AN	ZQV 2.5	•	•
	ZDU 2.5 4AN	ZQV 2.5	•	•
	ZDU 2.5 N	ZQV 2.5	•	•
	ZDU 2.5 N/3AN	ZQV 2.5	•	•
	ZDU 2.5N /4AN	ZQV 2.5	•	•
	ZDU 4	ZQV 4	•	•
	ZDU 4 3AN	ZQV 4	•	• 1)
	ZDU 4 4AN	ZQV 4	•	• 1)
	ZDU 6	ZQV 6	•	•
	ZDU 6 3AN	ZQV 6	•	•
	ZTR 2.5	ZQV 2.5	• 2)	• 2)
	ZTR 2.5 3AN	ZQV 2.5	• 2)	• 2)
	ZTR 2.5 4AN	ZQV 2.5	•	•
Feed terminal	**Output terminal**	**Cross-connection**	**Supply left**	**Supply right**
ZEI 6	ZDU 1.5	ZQV 1.5	•	•
	ZDU 1.5 3AN	ZQV 1.5	•	•
	ZDU 1.5 4AN	ZQV 1.5	•	•

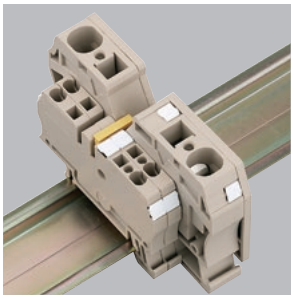
1) mit IEPL 2) mit QVAR 3) second pole must be broke out



Imax =
Σ In (left)



Imax =
Σ In (left) + Σ In (right)



Imax =
Σ In (right)

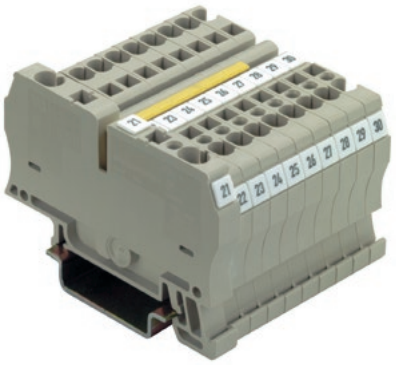
Maximum current flow I_{max} only with ZEI 16

Feed terminal	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
ZDU 2.5	ZQV 2.5	16 mm²	48 A	76 A
		25 mm²	48 A	89 A
ZDU 2.5/4AN	ZQV 2.5	16 mm²	48 A	76 A
		25 mm²	48 A	89 A
ZDU 4	ZQV 4	16 mm²	64 A	76 A
		25 mm²	66 A	100 A
ZDU 6	ZQV 6	16 mm²	76 A	76 A
		25 mm²	82 A	100 A

Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

Supply on the left



Supply on the right

Supply options and corresponding cross-connections

on the left

Supply terminals			2.5 mm²									4 mm²			6 mm²	
Output terminals on the right			ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm²	ZDU	ZQV 1.5	• 1)		• 1)						• 1)					
	ZDU 3AN		•		• 1)						• 1)	•				
	ZDU 4AN		•		• 1)							•				
2.5 mm²	ZDU	ZQV 2.5										•	• 1)	• 1)	• 3)	• 1)
	ZDU 3AN											• 2)	• 2)	• 2)	• 2)	
	ZDU 4AN											•	• 1)	• 1)	•	• 1)
	ZDU N											•	• 1)	• 1)	•	• 1)
	ZDU N/3AN											• 2)	• 2)	• 2)	• 2)	
	ZDU N/4AN											•	• 1)	• 1)	•	• 1)
	ZTR											• 2)	• 2)	• 2)	• 2)	
	ZTR 3AN											• 2)	• 2)	• 2)	• 2)	
	ZTR 4AN											•	•	• 1)	•	• 1)
4 mm²	ZDU	ZQV 4													•	
	ZDU 3AN														•	
	ZDU 4AN														•	

on the right

Supply terminals			2.5 mm²									4 mm²			6 mm²	
Output terminals on the left			ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm²	ZDU	ZQV 1.5	•	• 2)					• 2)	• 2)					•	•
	ZDU 3AN		•	• 2)					• 2)	• 2)					•	•
	ZDU 4AN		• 1)	• 2)					• 2)	• 2)					• 1)	•
2.5 mm²	ZDU	ZQV 2.5										•	•	•	• 3)	•
	ZDU 3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU 4AN											• 1)	• 1)	• 1)	• 1)	• 1)
	ZDU N											•	•	•	•	•
	ZDU N/3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU N/4AN											• 1)	• 1)	• 1)	• 1)	• 1)
	ZTR											• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 3AN											• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 4AN											• 1)	• 1)	• 1)	• 1)	•
4 mm²	ZDU	ZQV 4													•	•
	ZDU 3AN															•
	ZDU 4AN															

1) with IEPL
2) with QVAR
3) Maximum current value at the smallest cross-section:
- ZDU 6 with ZQV 2.5/3 on ZDU 2.5 : 55A
- ZDU 6 with ZQV 2.5/4 on ZDU 2.5 : 57 A

Possible combinations

In one cross-connection channel

single

adjacent

bridging

In two cross-connection channel

parallel bridging

parallel lengthening

chain bridge

Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type Standard terminals	Crosssection mm²	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
ZDU 1.5 ..	1.5	ZQV 1.5	•	•	•	•	•	•
ZDK 1.5	1.5	ZQV 1.5	•	•	•			
ZDK 1.5 V	1.5	ZQV 1.5	•	•	•	oben nicht brückbar		
ZDK 1.5 DU-PE	1.5	ZQV 1.5	•	•	•	unten nicht brückbar		
ZRV 1.5 ...	1.5	ZQV 1.5	•	•	•			
ZDU 2.5	2.5	ZQV 2.5	•	•	•	•	•	•
ZDU 2.5 / 3 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5 / 4 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5N ...	2.5	ZQV 2.5	•	•	•	•	•	•
ZDUA 2.5-2 ...	2.5	ZQV 2.5N	•	•	•			
ZDK 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZDK 2.5 ... PE	2.5	ZQV 2.5	•	•	•	unten nicht brückbar		
ZDK 2.5-2 ...	2.5	ZQV 2.5	•	•	•			
ZDKPE 2.5-2/ ...	2.5	ZQV 2.5	•	•	•			
ZDLD 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZVLD 2.5	2.5	ZQV 2.5	•	•	•			
ZTR 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZTR 2.5-2	2.5	ZQV 2.5	•	•	•	•	•	•
ZTTR 2.5	2.5	ZQV 2.5N	•	•	•	•	•	•
ZDTR 2.5	2.5	ZQV 2.5N	•	•	•			
ZSI 2.5	2.5	ZQV 6	•	•	•			
ZSI 2.5 2x2AN	2.5	ZQV 4	•	•	•			
ZSI 2.5/2	2.5	ZQV 2.5	•	•	•			
ZT 2.5 ...	2.5	ZQV 2.5N	•	•	•	•	•	•
ZT 2.5/4AN/4	2.5	ZQV 2.5N	•	•	•			
ZP 2.5 ... QV	2.5	ZQV 2.5N	•	•	•			
ZRV 2.5 ...	2.5	ZQV 2.5/...	•	•	•			
ZDU 4 ...	4		•	•	•			
ZDK 4-2 ...	4		•	•	•			
ZDK 4-2 V	4		•	•	•	oben nicht brückbar		
ZDK 4-2 ... PE	4		•	•	•	unten nicht brückbar		
ZT 4 ...	4		•	•	•	•	•	•
ZDU 6	6		•	•	•			
ZDU 6-2 ...	6		•	•	•			
ZSI 6-2 ...	6		•	•	•			
ZTR 6-2	6		•	•	•			
ZDU 10 ...	10		•			•		
ZPE 10 ...	10		•			•		
ZDU 16	16		•			•		
ZPE 16	16		•			•		
ZDU 35	35		•			•		
ZPE 35	35		•			•		

Cross-connections according to dimensions

ZQV 1.5

Technical data	
current / current	A
	17.5 / 17.5

Ordering data	Type	Qty.	Order No.
1-pin			
2-pin	ZQV 1.5/2	60	1776120000
3-pin	ZQV 1.5/3	60	1776130000
4-pin	ZQV 1.5/4	60	1776140000
5-pin	ZQV 1.5/5	20	1776150000
6-pin			
7-pin			
8-pin			
9-pin			
10-pin	ZQV 1.5/10	20	1776200000
20-pin			
24-pin			
Note			

ZQV 2.5

Technical data	
	24 /

Ordering data	Type	Qty.	Order No.
	ZQV 2.5/2	60	1608860000
	ZQV 2.5/3	60	1608870000
	ZQV 2.5/4	60	1608880000
	ZQV 2.5/5	20	1608890000
	ZQV 2.5/6	20	1608900000
	ZQV 2.5/7	20	1608910000
	ZQV 2.5/8	20	1608920000
	ZQV 2.5/9	20	1608930000
	ZQV 2.5/10	20	1608940000
	ZQV 2.5/20	20	1908960000

ZQV 4

Technical data	
	32 / 32

Ordering data	Type	Qty.	Order No.
	ZQV 4/2 GE	60	1608950000
	ZQV 4/3 GE	60	1608960000
	ZQV 4/4 GE	60	1608970000
	ZQV 4/5 GE	20	1608980000
	ZQV 4/6 GE	20	1608990000
	ZQV 4/7 GE	20	1609000000
	ZQV 4/8 GE	20	1609010000
	ZQV 4/9 GE	20	1609020000
	ZQV 4/10 GE	20	1609030000
	ZQV 4/20 GE	20	1909010000

Cross-connections according to dimensions

ZQV 35-10

Reducing cross-connection

Technical data	
current / current	A
	57 / 105

Ordering data	Type	Qty.	Order No.
1-pin			
2-pin	ZQV 35-10	10	7920100000
3-pin			
4-pin			
5-pin			
6-pin			
7-pin			
8-pin			
9-pin			
10-pin			
20-pin			
24-pin			
Note			

ZQV 2.5N

Technical data	
	24 / 24

Ordering data	Type	Qty.	Order No.
	ZQV 2.5N/2 GE	60	1693800000
	ZQV 2.5N/3 GE	60	1693810000
	ZQV 2.5N/4 GE	60	1693820000
	ZQV 2.5N/5 GE	20	1693830000
	ZQV 2.5N/6 GE	20	1693840000
	ZQV 2.5N/7 GE	20	1693850000
	ZQV 2.5N/8 GE	20	1693860000
	ZQV 2.5N/9 GE	20	1693870000
	ZQV 2.5N/10 GE	20	1693880000

ZQB 2.5

Technical data	
	24 / 24

Ordering data	Type	Qty.	Order No.
	ZQB 2.5-2	50	1677120000

ZQV 6

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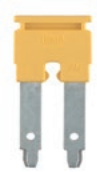
Type	Qty.	Order No.
ZQV 6/2 GE	60	1627850000
ZQV 6/3 GE	60	1627860000
ZQV 6/4 GE	60	1627870000
ZQV 6/24 GE	10	1908990000

ZQV 10/2



57 /

Type	Qty.	Order No.
ZQV 10/2	25	1739680000

Only with use of 2 dummy cables

ZQV 16/2

76 / 76

Type	Qty.	Order No.
ZQV 16/2	25	1739690000

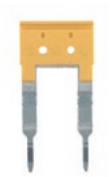
Only with use of 2 dummy cables

ZQV 35/2

105 / 105

Type	Qty.	Order No.
ZQV 35/2	10	1739700000

ZQS 2.5



/ 10

Type	Qty.	Order No.
ZQS 2.5/2	20	1633200000
ZQS 2.5/3	20	1633210000
ZQS 2.5/4	20	1633220000
ZQS 2.5/5	20	1633230000

ZVQ 2.5/1.5

/ 23

Type	Qty.	Order No.
ZVQ 2.5/1.5	50	1720700000

Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

ZTA 1

For terminal width 5.1 mm

Dimensions		
Width / Length / Height	mm	5.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	1.5
for wire cross-section	mm²	0.5…1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5…1.5 / 0.5…1.5
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA 1	25	1609040000
ZTA 1/ZA	25	1609050000

ZTA 2

For terminal width 6.1 mm

Dimensions		
Width / Length / Height	mm	6.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	1.5
for wire cross-section	mm²	0.5…1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5…1.5 / 0.5…1.5
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA 2 ZDU4	25	1609060000
ZTA 2/ZA ZDU4	25	1609070000

ZTA 3

For terminal width 8.1 mm

Dimensions		
Width / Length / Height	mm	8.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	1.5
for wire cross-section	mm²	0.5…1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5…1.5 / 0.5…1.5
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA 3 ZDU6	25	1654050000

Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

ZTA 6

For terminal width 6.1 mm

Dimensions		
Width / Length / Height	mm	6.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	17.5
Rated current	A	1.5
for wire cross-section	mm²	0.5…1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.75…1.5 / 0.5…1.5
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA 6/ZA	25	1780660000

ZTA 7

For terminal width 8.1 mm

Dimensions		
Width / Length / Height	mm	8.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	1.5
for wire cross-section	mm²	0.5…1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5…1.5 / 0.5…1.5
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA 7/ZA	25	1780670000

ZTA ZT2.5

For terminal width 5.1 mm

Dimensions		
Width / Length / Height	mm	5.1 / / 20
Stripping length	mm	10
Rated data		
Rated voltage	V	17.5
Rated current	A	1
for wire cross-section	mm²	0.5…1
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	0.5…1
Flexible / Flexible with ferrule	mm²	
Ordering data		
	1-pin	
	with snap-in pegs	
Note		

Type	Qty.	Order No.
ZTA ZT2.5	25	1827080000
ZTA ZT2.5/ZA	25	1847600000

ZTA 4

For terminal width 5.1 mm

5.1 / / 31	
10	
11	
1.5	
0.5…1.5	
0.5…1.5 / 0.5…1.5	

Type	Qty.	Order No.
ZTA 4	25	**1688110000**

ZTA 5

For terminal width 3.5 mm

3.5 / / 20	
10	
13.5	
1	
0.5…1	
0.5…1 / 0.5…1	

Type	Qty.	Order No.
ZTA 5	25	**1776210000**
ZTA 5/ZA	25	**1776220000**

ZTA ZVLD

5.1 / / 68.72	
6	
6	
1.5	
0.5…1.5	
0.75…1.5 / 0.5…1.5	

Type	Qty.	Order No.
ZTA ZVLD	10	**1210390000**
ZTA ZVLD/ZA	50	**1271870000**

Test plug

The test points for the PS 2.3 and PS 2.0 test plugs are available for most Z-Series terminals. Quick measurements can be made by inserting the test plug into the opening provided.

Technical data	
current / current	-
Ordering data	
	Test plug
Note	

PS

Plug diameter 2.0 mm

Type	Qty.	Order No.
PS 2.0 OR	20	**0293800000**

PS 2.3 RT

Plug diameter 2.3 mm

Type	Qty.	Order No.
PS 2.3 RT	20	**0180400000**

PS ZQV test probes

PS ZQV

- Safe and hand-free measuring of terminals
- Insert into the ZQV contact
- Very flexible silicone safety-measurement cables connect to any measurement instrument.

Technical data

	Test probes
Rated voltage	1000 V
Max. voltage of clamp support & pluggable system	1000 V
Weight	
Note	For Feed-through terminals with a pitch of 3.5mm to 8mm.

Ordering data

Version	Type	Qty.	Order No.
	PS_ZQV_SET	1	**1116710000**
	PS_ZQV	1	**1121740000**
Note	1x measuring probe red, 1x measuring probe black.		

Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the center of the clamping point without the strands fraying.

Technical data	
Product type	
Ordering data	
	0,13...0,2 mm², white
	0,25...0,5 mm², grey
	0,75...1,0 mm², dark grey
Note	

ZRH 1.5 S

Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5S/1	500	**1781950000**

Packaged in sets of 100 x 10-pole strips

ZRH 1.5 H

Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5H/1	1000	**1678810000**
ZRH 1.5H/2	1000	**1678800000**

Packaged in sets of 100 x 10-pole strips

ZRH 1.5N

Reducing sleeve

Type	Qty.	Order No.
ZRH 1.5N/1	1000	**1632140000**
ZRH 1.5N/2	1000	**1632130000**

Packaged in sets of 100 x 10-pole strips

ZRH 2.5

Reducing sleeve

Type	Qty.	Order No.
ZRH 2.5/1 WS	1000	**1614300000**
ZRH 2.5/2 GR/V0	1000	**1614290000**
ZRH 2.5/3	1000	**1614280000**

Packaged in sets of 100 x 10-pole strips

ZRH 4

Reducing sleeve

Type	Qty.	Order No.
ZRH 4/1 WS	1000	**1636640000**

Packaged in sets of 100 x 10-pole strips

Label

TheBZTmarking tags enable you to label the middle of the marking channel with theWS 10/5tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

Technical data	
Product type	
Ordering data	
	one-sided, without peg
	one-sided, with peg
	two-sided, without peg
Note	

BZT 1/BZT 2

Tag carriers

Marker holder

Type	Qty.	Order No.
BZT 1 WS 10/5	100	**1805490000**
BZT 1 ZA WS 10/5	100	**1805520000**
BZT 2 WS 10/5	100	**1805480000**

Additional connection

The contact element is placed in the cross-section channel and the latch clip in the screwdriver channel. It should then be pressed down until the end stop. The pitch spacing is 6 mm. Therefore only every other terminal can be occupied.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage	-
Pollution severity	-
Ordering data	
	with snap-in pegs
Note	

ZZA 2.5

6.1 / 21-50
400
17.5
2.5
6 kV
3

Type	Qty.	Order No.
ZZA 2.5	50	**1646690000**
ZZA 2.5/ZA	50	**1649350000**

Component plug

The component plug is used for fitting electronic components.
If needed, the BZS 1 can be snapped on to the upper or lower cross-connection channel on the ZDK 2.5 tension-clamp terminals.

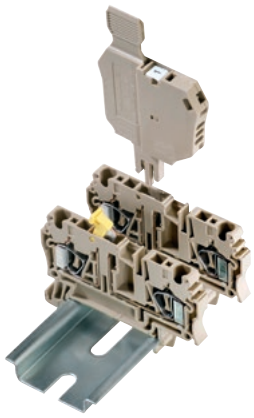
Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated voltage with LED	
Rated current	A
Rated current with LED	
Rated impulse withstand voltage	-
Pollution severity	
Ordering data	
	for holding 2 LEDs
Note	

ZBS

10 / 22.3
250
30 V
6
1:00 AM
4 kV
3

Type	Qty.	Order No.
ZBS1 F.D SET	10	**1764550000**

SIHA fuse holder

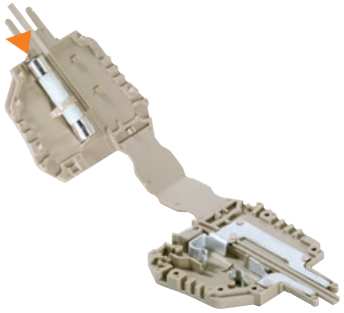


For 5 x 20 G-fuse cartridges
The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time.
Simply remove the isolating lever and insert the fuse plug.

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)

1. Open fuse holder with fingers or screwdriver.

2. Press out old fuse.



3. Position new fuse.

4. Press fuse holder together again with fingers or screwdrive.

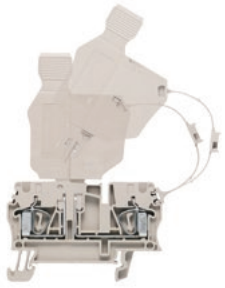
- Even fits on 5 mm wide terminals when fitted in offset arrangement

- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20

SIHA 3

without LED		Qty.	Order No.
SIHA3/G20	400 V	1	**7921560000**
with LED (red)			
SIHA3/G20	10 - 36 V	1	**7921570000**
	35 - 70 V	1	**7921580000**
	60 - 150 V	1	**7921590000**
	140 - 250 V	1	**7921600000**
For test-disconnect terminals versions			
ZTR 2.5/4 AN			
ZTR 2.5...			
ZTR 2.5-2			

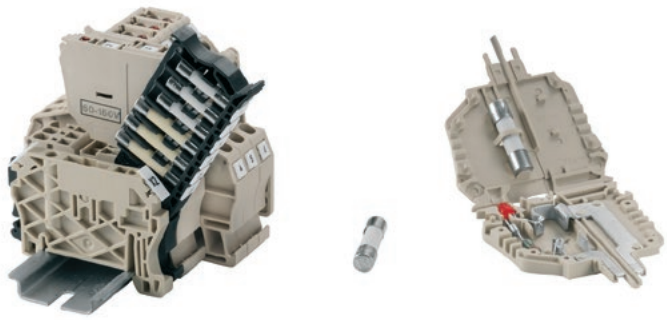
SIHA STRAP



with strap	Qty.	Order No.
SIHA STRAP	20	**9537680000**

Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either on the left or on the right

Component isolating plugs



Fuse carrier ZST 1

The ZST 1 fuse-carrier can hold 6 device fuses (5 x 20 or 5 x 25 mm) which are available to be used during servicing work.

ZST 1

Ordering data	Type	Qty.	Order No.
	ZST 1	25	**1269070000**
Note			

Accessories holder ZST

The ZST group carrier is used for temporary "parking" of test plugs, cross-connections and fuses which are used during service work. The group carrier can be snapped on to the end of a terminal strip or to the TS 35 rail.

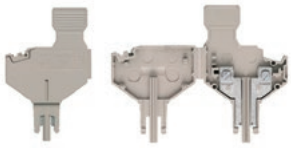
ZST

Ordering data	Type	Qty.	Order No.
	ZST	10	**1678680000**
Note			

Component plug (up to 250 V)

- Can be reversed

BEST



Ordering data	Type	Qty.	Order No.
without	BEST	50	**1833100000**
with wire jumper	BEST/DRBR	50	**1878570000**
with 1N4007 diode	BEST/D	50	**1878560000**
Note			

Disconnect plug

TNST

Ordering data	Type	Qty.	Order No.
yellow	TNST	50	**1833090000**
Note			

Reliability connects

Klippon® Connect sets standards with clamping yoke technology

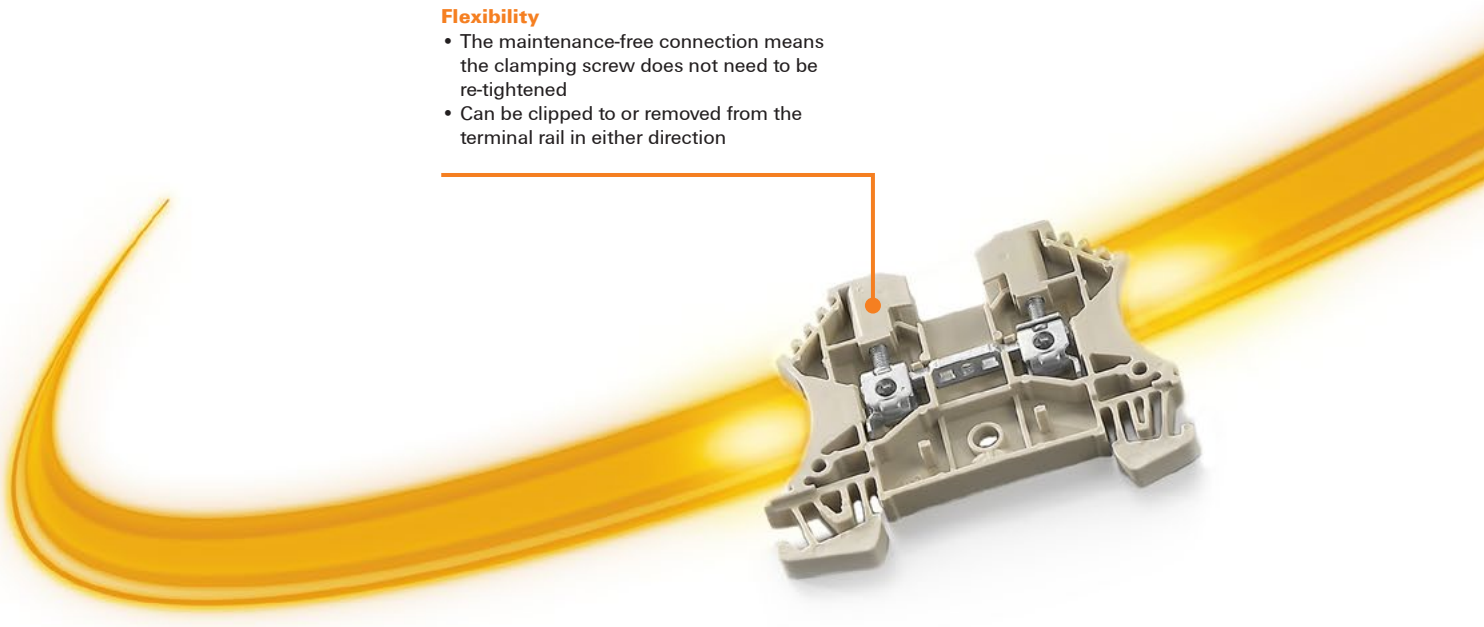
Whatever your requirements for the panel: our screw connection system with patented clamping yoke technology ensures the ultimate in contact safety. You can use both screw-in and plug-in cross-connections for potential distribution. Two conductors of the same diameter can also be connected in a single terminal point in accordance with UL1059. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

Our promise

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

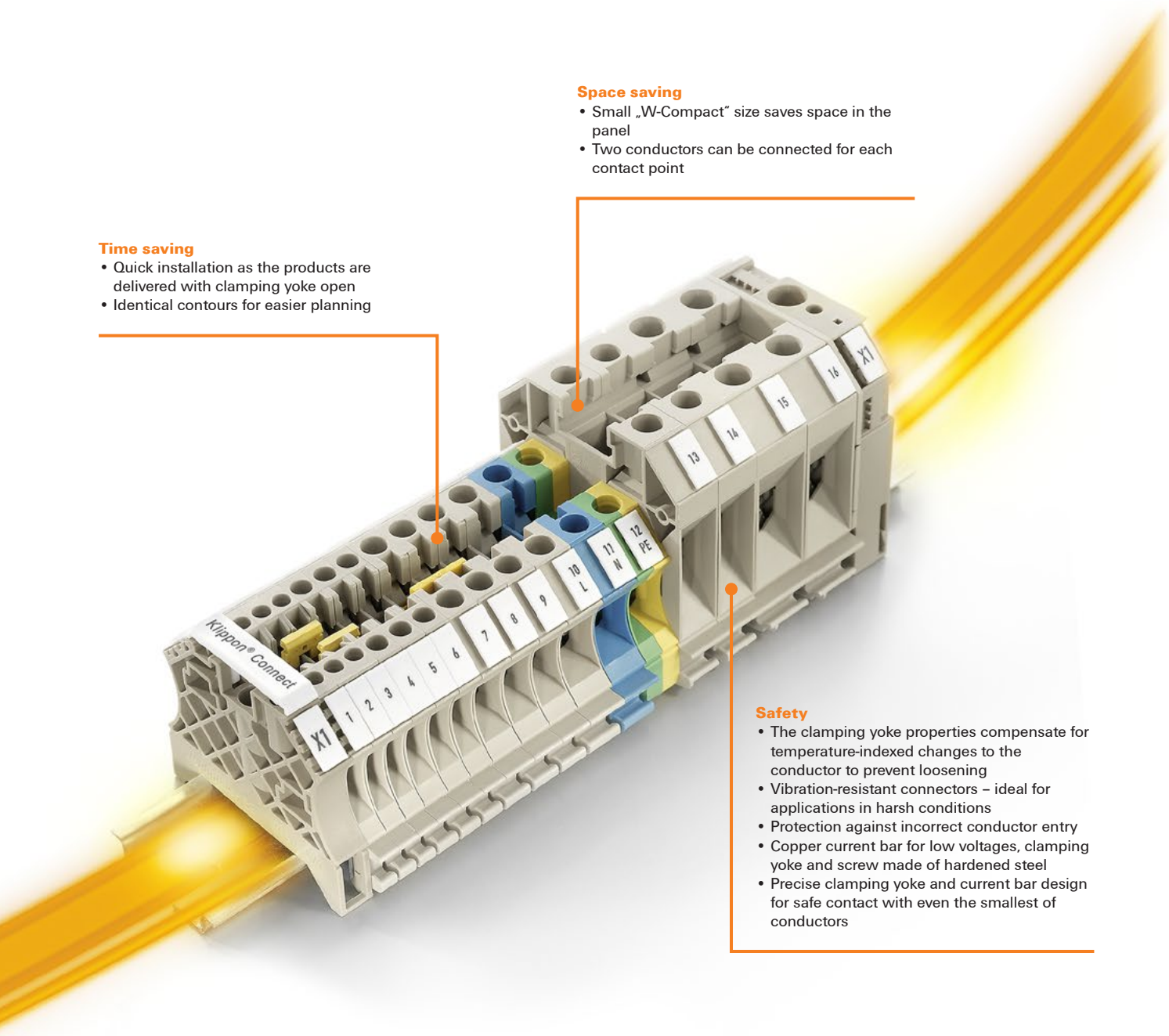
Flexibility

- The maintenance-free connection means the clamping screw does not need to be re-tightened
- Can be clipped to or removed from the terminal rail in either direction



Space saving
- Small „W-Compact“ size saves space in the panel
- Two conductors can be connected for each contact point

Time saving
- Quick installation as the products are delivered with clamping yoke open
- Identical contours for easier planning



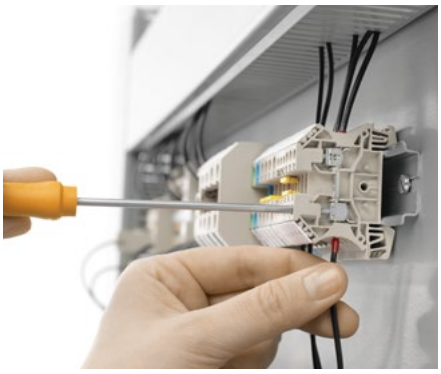
Safety
- The clamping yoke properties compensate for temperature-indexed changes to the conductor to prevent loosening
- Vibration-resistant connectors – ideal for applications in harsh conditions
- Protection against incorrect conductor entry
- Copper current bar for low voltages, clamping yoke and screw made of hardened steel
- Precise clamping yoke and current bar design for safe contact with even the smallest of conductors

Overview

You can rely on it: thanks to the range of models and real flexibility, our terminal blocks with clamping yoke technology can be used in a wide range of different applications.

Universal application:
Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions.

Varied product assortment with wide clamping range:
Our terminal blocks with clamping yoke technology are available in both standard and compact designs. The compact design covers wire cross-sections from 0.05 mm^2 to 150 mm^2 and helps save space in the panel. The standard version covers conductor cross sections of up to 240 mm^2. The identical contours of the terminal blocks make configuration easier and reduces the quantity of accessories required.



WDU 1.5/R 3.5 — 1.5 mm²

Feed-through terminal for TS 15

Width/Height/Depth	3.5 x 24.5 x 24
max. current / max. cond. cross-section	**17.5 / 1.5**
Max. clamping range	**0.13...1.5**

Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	400	300	300	275
Rated current	17.5	15	10	14
for wire cross-section	1.5	AWG 26...14	AWG 26...14	1.5 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0			
Approvals				

IEC 60947-7-1 — Ex e II — II 2 G D

KEMA99ATEX6545U

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	0.5...1.5 / 1.5...1.5	
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5	2.5
Tightening torque (clamping screw for copper conductors)	0.3 Nm / (M 2)	
Stripping length / Blade size	7 / 0.4 x 2.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	0.5...0.75	
Flexible / Flexible with ferrule	0.5...0.75 / 0.5...0.5	

Note

PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 1.5/R3.5	100	**1753280000**
beige			
blue	WDU 1.5/R3.5 BL	100	**1754170000**

Note

Accessories

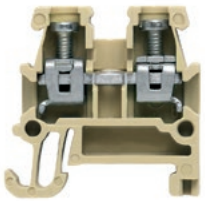
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
End plate / Partition plate				
dark beige	WAP WDU1.5/R3.5		20	**1754190000**
Blue				
End bracket				
dark beige	EW 15		50	**0382860000**
Testing / Checking				
Test plug				
Socket				
Identification systems				
	DEK 5/3.5 MC NE WS		500	**1755270000**
	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**
Pluggable cross-connection				
2-pole	ZQV 1.5N/R3.5/2 GE	17.5 A	50	**1754210000**
10-pole	ZQV 1.5N/R3.5/10 GE	17.5 A	20	**1754290000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

AKZ 1.5 — 1.5 mm²

Feed-through terminal for TS 15



Width/Height/Depth	5.1 x 24.8 x 24
max. current / max. cond. cross-section	**24 / 2.5**
Max. clamping range	**0.21...2.5**

Technical data

IEC 60947-7-1 — II 2 G D

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	250	150	300	176
Rated current	17.5	15	10	15
for wire cross-section	1.5	AWG 22...14	AWG 24...16	1.5 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-2			
Approvals				

SIRA02ATEX3001U

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	0.5...2.5 / 1.5...1.5	
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5	
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	
Stripping length / Blade size	7 / 3.0 x 0.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	0.5...1	

Ordering data

Version	Type	Qty.	Order No.
	AKZ 1.5	100	**0340460000**
	AKZ 1.5 BL	100	**0340480000**

Note

AKZ 1.5 order No. 0340460000 and 0340480000 made of PA with flammability rating acc. to UL 94/V-2

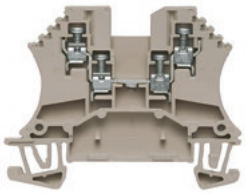
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
	Q 2 AKZ1.5	24 A	50	**0368200000**
	Q 10 AKZ1.5	24 A	20	**0368500000**
End plate / Partition plate				
	AP AKZ1.5		50	**0340560000**
	AP AKZ1.5 BL		50	**0340580000**
End bracket				
	EW 15		50	**0382860000**
Testing / Checking				
	PS 2.3 RT		20	**0180400000**
	STB 8.5/D4/2.3/M2.5 AKZ		50	**0215700000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
Pluggable cross-connection				

Cross-connections, see section "W series accessories".

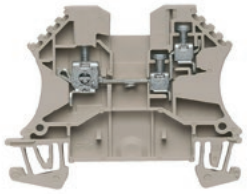
WDU 1.5/ZZ — 1.5 mm²

Twin connection



WDU 2.5/1.5/ZR — 2.5 mm²

Supplementary connection, right



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.1 x 60 x 46.5	
23 / 2.5	
0.13...2.5	

5.1 x 60 x 46.5	
32 / 4	
0.05...4	

Technical data

Rated data				
Rated voltage	V	IEC 60947-7-1	Ex e II	II 2 G D
Rated current	A	IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	800	300	300	440
Rated impulse withstand voltage / Pollution severity		17.5	25	10	17.5
Gauge to IEC 60947-1 / UL 94 flammability rating		1.5	AWG 26...12	AWG 26...12	2.5 mm²
Approvals		8 kV / 3			
		A1 / V-0			
		DEMKO14ATEX1338U			
Clamped conductors (H05V/H07V)		**Rated connection**	**Further connection**		
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5	
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	
Tightening torque (clamping screw for copper conductors)	-	0.4...0.6 Nm / (M 2.5)	
Stripping length / Blade size	mm/-	7 / 0.6 x 3.5 mm	
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	0.5...1	
Flexible / Flexible with ferrule	mm²	0.5...1 / 0.5...0.75	
Note		Note the max. current of the terminal (23 A) when using the WQV cross-connector!	

		IEC 60947-7-1	Ex e II	II 2 G D
		IEC	UL	CSA	EN 60079-7
		800	300	300	690
		24	20	20	24
		2.5	AWG 30...12	AWG 26...14	2.5 mm²
		8 kV / 3			
		A3, A1 / V-0			
		DEMKO14ATEX1338U			
		Rated connection	**Further connection**		
		0.5...4 / 1.5...4	0.5...2.5 / 0.5...2.5	
		0.5...4 / 0.5...2.5	0.5...1.5 / 0.5...1.5	
		0.4...0.6 Nm / (M 2.5)	
		10 / 0.6 x 3.5 mm	7 / SD 0.6 x 3.5	
		0.5...1	
		0.5...1.5 / 0.5...1.5	
		2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Ordering data

Version		Type	Qty.	Order No.
	dark beige	WDU 1.5/ZZ	100	**1031400000**
	blue	WDU 1.5/ZZ BL	100	**1031480000**
Note				

Type	Qty.	Order No.
WDU 2.5/1.5/ZR	100	**1024700000**
WDU 2.5/1.5/ZR BL	100	**1024780000**
The rated voltage is 400 V when using the ZQV cross-connector, additional connection (right 1.5 mm²)		

Accessories

		Type	current	Qty.	Order No.
Pluggable cross-connection					
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
Screwable cross-connection					
	2-pole	WQV 2.5/2	32 A	50	**1053660000**
	10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate					
	dark beige	WAP 2.5-10		50	**1050000000**
	Blue	WAP 2.5-10 BL		50	**1050080000**
	dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
	Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket					
	dark beige	WEW 35/2		100	**1061200000**
Testing / Checking					
	Standard	WTA 2 WDU2.5-10		25	**1632320000**
	With spigot	WTA 2/ZA WDU2.5-10		25	**1632330000**
Cover					
	With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
	Blank, white	WAD 4 WS		50	**1072100000**
Identification systems					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/5 MC NE WS		720	**1609860000**
		DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		100	**1061200000**
WTA 2 WDU2.5-10		25	**1632320000**
WTA 2/ZA WDU2.5-10		25	**1632330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

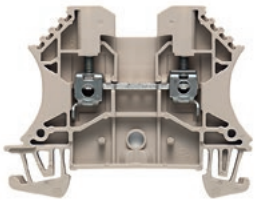
Cross-connections, socket and test plug, see section "W series accessories".

Note: Use a 2.5 / 1 mm² conductor with the WQB. Cross-connections, see section "W series accessories".

AKZ 2.5 — 2.5 mm²

Feed-through terminal for TS 15

WDU 2.5 — 2.5 mm²



		AKZ 2.5	WDU 2.5
Width/Height/Depth	mm	5.1 x 25.5 x 26.3	5.1 x 60 x 46.5
max. current / max. cond. cross-section	A/mm²	**32 / 4**	**32 / 4**
Max. clamping range	mm²	**0.13...4**	**0.05...4**

Technical data

Rated data		AKZ 2.5	WDU 2.5
		IEC 60947-7-1	IEC 60947-7-1
		Ex e II II 2 G D	Ex e II II 2 G D
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	250 / 300 / 300 / 176	800 / 600 / 600 / 690
Rated current	A	24 / 10 / 10 / 21	24 / 25 / 20 / 24
for wire cross-section	mm²	2.5 / AWG 26...12 / AWG 26...10 / 2.5 mm²	2.5 / AWG 30...12 / AWG 26...12 / 2.5 mm²
Rated impulse withstand voltage / Pollution severity		4 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-2	A3 / V-0
Approvals		SIRA02ATEX3001U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		**Rated connection / Further connection**	**Rated connection / Further connection**
Solid / Stranded	mm²	0.5...4 / 1.5...2.5	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	-	0.4...0.6 Nm / (M 2.5)	0.4...0.8 Nm / (M 2.5)
Stripping length / Blade size	mm/-	7 / 3.0 x 0.5 mm	10 / 0.6 x 3.5 mm
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	0.5...1.5	0.5...1.5
Flexible / Flexible with ferrule	-		0.5...1.5 / 0.5...1.5
Note			2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

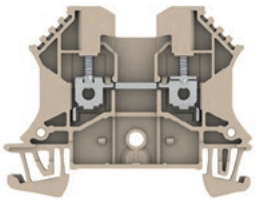
Ordering data

Version	AKZ 2.5 Type	Qty.	Order No.	WDU 2.5 Type	Qty.	Order No.
dark beige				WDU 2.5	100	**1020000000**
beige	AKZ 2.5	100	**0697160000**			
blue	AKZ 2.5 BL	100	**0697180000**	WDU 2.5 BL	100	**1020080000**
Note	AKZ 2.5 order No. 0697160000 and 0697180000 made of PA with flammability rating acc. to UL 94/V-2			Rated voltage is 400 V when using the cross-connector. For colour versions, see section on W-series Accessories		

Accessories

	AKZ 2.5 Type	current	Qty.	Order No.	WDU 2.5 Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole					ZQV 2.5N/2	24 A	60	**1527540000**
10-pole					ZQV 2.5N/10	24 A	20	**1527690000**
Screwable cross-connection								
2-pole	Q 2 AKZ1.5	24 A	50	**0368200000**	WQV 2.5/2	32 A	50	**1053660000**
10-pole	Q 10 AKZ1.5	24 A	20	**0368500000**	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate								
dark beige	AP AKZ2.5		50	**0697360000**	WAP 2.5-10		50	**1050000000**
Blue	AP AKZ2.5 BL		50	**0697380000**	WAP 2.5-10 BL		50	**1050080000**
dark beige	TW AKZ2.5		20	**0318560000**	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue					WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket								
dark beige	EW 15		50	**0382860000**	WEW 35/2		100	**1061200000**
Testing / Checking								
Standard					WTA 2 WDU2.5-10		25	**1632320000**
With spigot					WTA 2/ZA WDU2.5-10		25	**1632330000**
Test plug	PS 2.3 RT		20	**0180400000**				
Socket	STB 8.5/D4/2.3/M2.5 AKZ		50	**0215700000**				
Cover								
Blank, yellow					WAD 5 MC NE GE		48	**1112920000**
Blank, white					WAD 5 MC NE WS		48	**1112910000**
With lightning flash symbol								
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
					WS 12/5 MC NE WS		720	**1609860000**
					DEK 5/5 MM WS		800	**2007110000**
					WS 8/5 MM WS		800	**2007150000**
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".				Ensure 2.5 mm² max. when using the WQB. Only 400 V with the use of shield bus LS 2.8 1056400000 .			

WDU 2.5 HV — 2.5 mm²



5.1 x 60 x 46.5
32 / 4
0.05...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

EAC

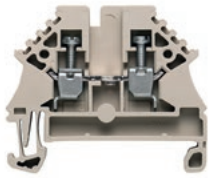
Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 2.5 HV	100	**1412950000**

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		100	**1061200000**
WTA 2 WDU2.5-10		25	**1632320000**
WTA 2/ZA WDU2.5-10		25	**1632330000**
WAD 5 MC NE GE		48	**1112920000**
WAD 5 MC NE WS		48	**1112910000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

WDU 2.5N — 2.5 mm²

With screwable cross-connection
Compact design



5.1 x 44 x 37
32 / 4
0.05...4

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	352
24	20	20	24
2.5	AWG 22...12	AWG 26...12	2.5 mm²
	6 kV / 3		
	A3 / V-0		

CE SP EAC BL KEUR DEMKO NEMKO UL — DEMKO14ATEX1338U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDU 2.5N	100	**1023700000**
WDU 2.5N BL	100	**1023780000**

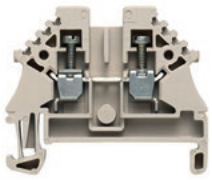
Colour variants listed under the W-Series accessories section, "Specific functions".

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
EW 35		50	**0383560000**
WTA 1 WDU1.5		25	**1632290000**
WTA 1/ZA WDU1.5		25	**1632300000**
WAD 4 WS		50	**1072100000**
WAD 4 GE BED		50	**1072000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Socket and test plug, see section "W-Series accessories".

WDU 2.5N/ZQV — 2.5 mm²

With pluggable cross-connection
Compact design



5.1 x 44 x 37
32 / 4
0.05...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
24		25	
2.5		AWG 26...12	
	6 kV / 3		
	A3 / V-0		

CE SP EAC BL KEUR

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDU 2.5N ZQV	100	**1040800000**
WDU 2.5N ZQV BL	100	**1040880000**

Rated voltage is 400 V when using the ZQV cross-connector.

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
EW 35		50	**0383560000**
WTA 1 WDU1.5		25	**1632290000**
WTA 1/ZA WDU1.5		25	**1632300000**
WAD 4 WS		50	**1072100000**
WAD 4 GE BED		50	**1072000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, see section "W series accessories".

WDU 2.5N/600 UL — 2.5 mm²

Compact design

AKZ 4 — 4 mm²

Feed-through terminal for TS 15

		WDU 2.5N/600 UL	AKZ 4
Width/Height/Depth	mm	5.1 x 44 x 42.7	6.1 x 27 x 29
max. current / max. cond. cross-section	A/mm²	**32 / 4**	**41 / 6**
Max. clamping range	mm²	**0.05...4**	**0.13...6**

Technical data

		WDU 2.5N/600 UL	AKZ 4
Rated data			
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		Ex e II II 2 G D
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			SIRA02ATEX3001U
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Tightening torque (clamping screw for copper conductors)	-		
Stripping length / Blade size	mm/-		
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	-		

IEC	UL	CSA	EN 60079-7	Rated connection	Further connection
800	600	600		0.5...4 / 1.5...4	
24	25	20		0.5...4 / 0.5...2.5	
2.5	AWG 22...12	AWG 26...12		0.4...0.6 Nm / (M 2.5)	
	8 kV / 3			10 / 0.6 x 3.5 mm	
	A3 / V-0				
				0.5...1.5 / 0.5...1.5	
				/ 0.5...1.5	

IEC	UL	CSA	EN 60079-7	Rated connection	Further connection
400	300	300	275	0.5...6 / 1.5...4	
32	27	10	28	0.5...4 / 0.5...2.5	
4	AWG 26...12	AWG 24...12	4 mm²	0.6...0.8 Nm / (M 3)	
	6 kV / 3			8 / 0.6 x 3.5 mm	
	A3 / V-2				
				0.5...1.5 / 0.5...1.5	

Note

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Ordering data

Version	WDU 2.5N/600UL	AKZ 4
dark beige		
beige		AKZ 4
blue		AKZ 4 BL

Type	Qty.	Order No.
WDU 2.5N/600UL	100	**1730940000**

Type	Qty.	Order No.
AKZ 4	100	**0294360000**
AKZ 4 BL	100	**0294380000**

Note

AKZ 4 order No. 0294360000 and 0294380000 made of PA with flammability rating acc. to UL 94/V-2

Accessories

Pluggable cross-connection	WDU 2.5N/600 UL	AKZ 4
2-pole		
10-pole		
Screwable cross-connection		
2-pole	WQV 2.5/2	Q 2 AKZ4
10-pole	WQV 2.5/10	Q 10 AKZ4
End plate / Partition plate		
dark beige	WAP WDU2.5N/4N	AP AKZ4
Blue	WAP WDU2.5N/4N BL	AP AKZ4 BL
dark beige		TW AKZ4
Blue		
End bracket		
dark beige	WEW 35/2	EW 15
Testing / Checking		
Standard	WTA 1 WDU1.5	
With spigot	WTA 1/ZA WDU1.5	
Test plug		PS 2.3 RT
Socket		STB 8.5/D4/2.3/M2.5 AKZ
Cover		
Blank, white	WAD 4 WS	
Blank, yellow		
With lightning flash symbol	WAD 4 GE BED	
Identification systems		
	WS 12/5 MC NE WS	
	DEK 5/5 MC NE WS	DEK 5/6 MC NE WS
	WS 8/5 MM WS	
	DEK 5/5 MM WS	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
WEW 35/2		100	**1061200000**
WTA 1 WDU1.5		25	**1632290000**
WTA 1/ZA WDU1.5		25	**1632300000**
WAD 4 WS		50	**1072100000**
WAD 4 GE BED		50	**1072000000**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 MM WS		800	**2007110000**

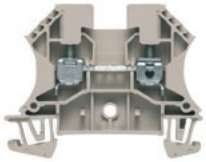
Type	current	Qty.	Order No.
Q 2 AKZ4	32 A	50	**0336400000**
Q 10 AKZ4	32 A	20	**0368600000**
AP AKZ4		20	**0294460000**
AP AKZ4 BL		20	**0294480000**
TW AKZ4		50	**0348260000**
EW 15		50	**0382860000**
PS 2.3 RT		20	**0180400000**
STB 8.5/D4/2.3/M2.5 AKZ		50	**0215700000**
DEK 5/6 MC NE WS		1000	**1609820000**

For detailed information on other accessories and application in the online catalogue

Socket and test plug, see section "W-Series accessories".

Cross-connections, see section "W series accessories".

WDU 4 — 4 mm²



6.1 x 60 x 46.5
41 / 6
0.13...6

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	35	35	32
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is 400 V when using the ZQV cross-connector.
Note max. current of terminal (41 A) when using WQV!

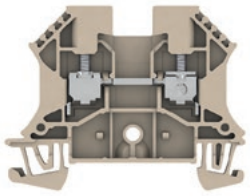
Type	Qty.	Order No.
WDU 4	100	1020100000
WDU 4 BL	100	1020180000

1000 VDC rated voltage tested. Rated voltage is 400 V when using the cross-connector. For alternative colours, see section on W-series accessories

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 4 HV — 4 mm²



6.1 x 60 x 46.5
41 / 6
0.13...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			
	8 kV / 3		
	A4 / V-0		

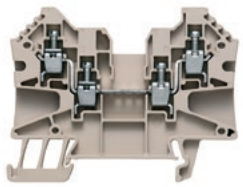
Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4 HV	100	1412960000

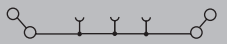
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

WDU 4/ZZ — 4 mm²

Twin connection



6.1 x 70 x 53
32 / 6
0.05...6



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	30	30	29.5
4	AWG 30...10	AWG 30...10	4 mm²
	8 kV / 3		
	A4 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6	
0.5...4 / 0.5...4	
0.5...0.8 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

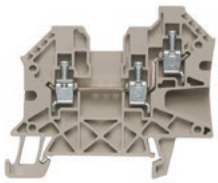
Type	Qty.	Order No.
WDU 4/ZZ	50	1905060000
WDU 4/ZZ BL	50	1114720000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

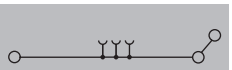
Cross-connections, see section "W series accessories".

WDU 4/ZR — 4 mm²

Supplementary connection, right



Width/Height/Depth	6.1 x 63.5 x 53 mm
max. current / max. cond. cross-section	32 / 6 A/mm²
Max. clamping range	0.05...6 mm²



Technical data

IEC 60947-7-1 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600	600	690
Rated current	32	30	30	31
for wire cross-section	4	AWG 30...10	AWG 30...10	4 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0			
Approvals	DEMKO14ATEX1338U			

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	0.5...6	0.5...6
Flexible / Flexible with ferrule	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)	0.5...0.8 Nm / (M 3)	
Stripping length / Blade size	10 / 0.6 x 3.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	0.5...1.5	
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1.5	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 4/ZR	50	**1905140000**
blue			

Note

Accessories

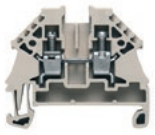
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate / Partition plate				
dark beige	WAP WDU/WTR4/ZR		50	**1905070000**
Blue				
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Testing / Checking				
Standard				
With spigot				
Cover				
With lightning flash symbol				
Blank, white				
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	WS 8/6 MM WS		600	**2007160000**
	DEK 5/6 MM WS		600	**2007120000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

WDU 4N — 4 mm²

Compact design



Width/Height/Depth	6.1 x 44 x 37.7 mm
max. current / max. cond. cross-section	39 / 6 A/mm²
Max. clamping range	0.13...6 mm²

IEC 60947-7-1 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500	300	300	440
Rated current	32	10	10	31
for wire cross-section	4	AWG 26...10	AWG 26...10	4 mm²
Rated impulse withstand voltage / Pollution severity	6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0			
Approvals	TÜV04ATEX2630U			

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	0.5...6 / 1.5...6	
Flexible / Flexible with ferrule	0.5...4 / 0.5...4	
Tightening torque (clamping screw for copper conductors)	0.5...1 Nm / (M 3)	
Stripping length / Blade size	11 / 0.6 x 3.5 mm	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	0.5...1.5	
Flexible / Flexible with ferrule		

Note

Ordering data

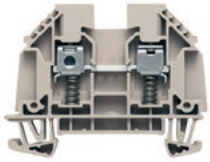
Type	Qty.	Order No.
WDU 4N	100	**1042600000**
WDU 4N BL	100	**1042680000**

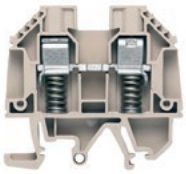
Accessories

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WAP WDU2.5N/4N		50	**1060000000**
WAP WDU2.5N/4N BL		50	**1060080000**
WEW 35/2		100	**1061200000**
WTA 1 WDU1.5		25	**1632290000**
WTA 1/ZA WDU1.5		25	**1632300000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/6 MC NE WS		600	**1609900000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 MM WS		600	**2007120000**

Cross-connections, see section "W series accessories".

	WDU 4 SL	4 mm²	WDU 4 SL/EN	4 mm²





Width/Height/Depth	mm	6.1 x 60 x 46.5	6.1 x 60 x 51.5
max. current / max. cond. cross-section	A/mm²	**41 / 6**	**41 / 6**
Max. clamping range	mm²	**0.22...6**	**0.22...6**

Technical data

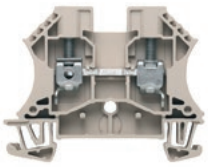
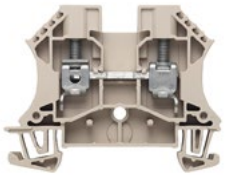
		WDU 4 SL				WDU 4 SL/EN			
Rated data									
		IEC 60947-7-1		Ex e II	II 2 G D	IEC 60947-7-1		Ex e II	II 2 G D
		IEC	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated voltage	V	630	600	300	440	630	600	300	690
Rated current	A	32	30	25	32	32	30	25	32
for wire cross-section	mm²	4	AWG 22...10	AWG 22...10	4 mm²	4	AWG 22...10	AWG 22...10	4 mm²
Rated impulse withstand voltage / Pollution severity		6 kV / 2				6 kV / 2			
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0				A4 / V-0			
Approvals		DEMKO14ATEX1338U				DEMKO14ATEX1338U			
Clamped conductors (H05V/H07V)		**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded	mm²	0.5...6 / 1.5...6				0.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque (clamping screw for copper conductors)	-	0.5...1 Nm / (M 3)				0.5...1 Nm / (M 3)			
Stripping length / Blade size	mm/-	15 / 0.6 x 3.5 mm				15 / 0.6 x 3.5 mm			
2 conductors with same cross-section (H05V/H07V)									
Solid / Stranded	mm²	0.5...1.5				0.5...1.5			
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Note		Note the max. current of the terminal (41 A) when using the cross-connector!				Note the max. current of the terminal (41 A) when using the cross-connector!			

Ordering data

Version	WDU 4 SL			WDU 4 SL/EN		
	Type	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WDU 4 SL	50	**9537440000**	WDU 4 SL/EN	50	**9537450000**
dark beige						
blue	WDU 4 SL BL	50	**9203060000**			
Note	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).			With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Accessories

	WDU 4 SL				WDU 4 SL/EN			
Screwable cross-connection	**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
2-pole	WQV 4/2	32 A	50	**1051960000**	WQV 4/2	32 A	50	**1051960000**
10-pole	WQV 4/10	41 A	20	**1052060000**	WQV 4/10	41 A	20	**1052060000**
End plate / Partition plate								
dark beige	WAP 2.5-10		50	**1050000000**	WAP 2.5-10		50	**1050000000**
Blue								
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue								
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Testing / Checking								
Standard	WTA 3 WDU4		25	**1632350000**	WTA 3 WDU4		25	**1632350000**
Cover								
Blank, yellow								
Blank, white								
Identification systems								
	WS 12/6 MC NE WS		600	**1609900000**	WS 12/6 MC NE WS		600	**1609900000**
Pluggable cross-connection								
2-pole	ZQV 4N/2	32 A	60	**1527930000**	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**	ZQV 4N/10	32 A	20	**1528090000**
Hak. Cable lugs								
	HBT 1,5 - 3,0 RT		100	**1312440000**	HBT 1,5 - 3,0 RT		100	**1312440000**
	HBT 2,5 - 3,0 BL		100	**1312450000**	HBT 2,5 - 3,0 BL		100	**1312450000**
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".				Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.			

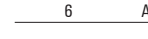
	WDU 6	WDU 6 HV
	6 mm²	6 mm²
		
Width/Height/Depth mm	7.9 x 60 x 46.5	7.9 x 60 x 46.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**57 / 10**
Max. clamping range mm²	**0.22...10**	**0.22...10**

Technical data

	WDU 6	WDU 6 HV
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II II 2 G D	

IEC	UL	CSA	EN 60079-7
800	600	600	690
41	50	50	41
6	AWG 22...8	AWG 22...8	6 mm²
		8 kV / 3	
		A5 / V-0	

IEC	UL	CSA	EN 60079-7
1000			
41			
6			
		8 kV / 3	
		A5 / V-0	

	WDU 6	WDU 6 HV
for wire cross-section mm²	 DEMKO14ATEX1338U	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
12 / 0.8 x 4.0 mm	
0.5...2.5	
0.5...2.5 / 0.5...2.5	

Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
12 / 0.8 x 4.0 mm	
0.5...2.5 / 0.5...2.5	

	WDU 6	WDU 6 HV
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Tightening torque (clamping screw for copper conductors) -		
Stripping length / Blade size mm/-		
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Note	Note max. current of terminal (57 A) when using WQV! Wire connection H07V-...10 and AWG 8 with tightening torque of 1.4-1.6 Nm.	

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 6	100	**1020200000**
dark beige			
blue	WDU 6 BL	100	**1020280000**
Note	1000 VDC rated voltage tested. For colour versions, see section on W-series Accessories - specific functions.		

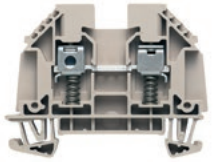
Version	Type	Qty.	Order No.
dark beige	WDU 6 HV	100	**1412970000**
dark beige	WDU 6 IR	100	**1393350000**
blue			
Note			

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Testing / Checking				
Standard	WTA 3 WDU4		25	**1632350000**
Cover				
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**
Blank, white	WAD 8 MC NE WS		48	**1112940000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	WS 8/8 MM WS		500	**2007170000**
	DEK 5/8 MM WS		500	**2007130000**
Pluggable cross-connection				
2-pole				
10-pole				
Hak. Cable lugs				
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.			

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Testing / Checking				
Standard	WTA 3 WDU4		25	**1632350000**
Cover				
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**
Blank, white	WAD 8 MC NE WS		48	**1112940000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**
	WS 8/8 MM WS		500	**2007170000**
	DEK 5/8 MM WS		500	**2007130000**
Pluggable cross-connection				
2-pole				
10-pole				
Hak. Cable lugs				

WDU 6 SL — 6 mm²



7.9 x 60 x 46.5
57 / 6
0.5...6

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	275
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm²
	6 kV / 2		
	A5 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm / (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL	50	**9537460000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	**1052360000**
WQV 6/10	57 A	20	**1052260000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		100	**1061200000**
WTA 5/1		25	**1051260000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**
WS 8/8 MM WS		500	**2007170000**
DEK 5/8 MM WS		500	**2007130000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

WDU 6 SL/EN — 6 mm²

7.9 x 60 x 51.1
57 / 6
0.5...6

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	440
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm²
	6 kV / 2		
	A5 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm / (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

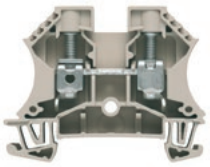
ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL/EN	50	**9537470000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	**1052360000**
WQV 6/10	57 A	20	**1052260000**
WAP 2.5-10		50	**1050000000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		100	**1061200000**
WTA 5/1		25	**1051260000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**
WS 8/8 MM WS		500	**2007170000**
DEK 5/8 MM WS		500	**2007130000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

	WDU 10	10 mm²	WDU 10 IR	10 mm²
				
Width/Height/Depth mm	9.9 x 60 x 46.5		9.9 x 60 x 46.5	
max. current / max. cond. cross-section A/mm²	**76 / 16**		**76 / 16**	
Max. clamping range mm²	**1.31...16**		**1.31...16**	

Technical data

	WDU 10				WDU 10 IR			
Rated data								
	IEC 60947-7-1		Ex e II	II 2 G D	IEC 60947-7-1		Ex e II	II 2 G D
Rated voltage V	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Rated current A	1000	600	600	690	1000			
for wire cross-section mm²	57	65	65	57	57			
Rated impulse withstand voltage / Pollution severity	10	AWG 18...6	AWG 18...6	10 mm²	10			
Gauge to IEC 60947-1 / UL 94 flammability rating			8 kV / 3				8 kV / 3	
Approvals			B6 / V-0				B6 / V-0	
				DEMKO14ATEX1338U				
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded mm²	1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Flexible / Flexible with ferrule mm²	1.5...16 / 1.5...16				1.5...16 / 1.5...16			
Tightening torque (clamping screw for copper conductors) -	1.2...1.9 Nm / (M 4)				1.5...1.8 Nm / (M 4)			
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm				12 / TX 15			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded mm²	1.5...6 / 0.5...6							
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6							
Note	Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.							

Ordering data

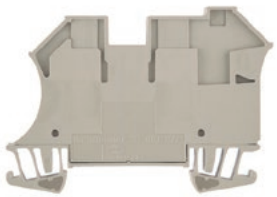
Version	WDU 10 Type	Qty.	Order No.	WDU 10 IR Type	Qty.	Order No.
dark beige	WDU 10	50	**1020300000**	WDU 10 IR	50	**1393380000**
blue	WDU 10 BL	50	**1020380000**			
black (combi clip-on feet TS 32/25)						
Note	1000 VDC rated voltage tested.For alternative colours, see section on W-series accessories - specific functions.					

Accessories

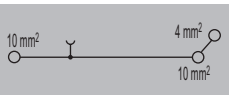
	WDU 10 Type	current	Qty.	Order No.	WDU 10 IR Type	current	Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 10/2	57 A	50	**1052560000**	WQV 10/2	57 A	50	**1052560000**
10-pole	WQV 10/10	57 A	20	**1052460000**	WQV 10/10	57 A	20	**1052460000**
End plate / Partition plate								
dark beige	WAP 2.5-10		50	**1050000000**	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Testing / Checking								
Standard	WTA 3 WDU4		25	**1632350000**	WTA 5/1		25	**1051260000**
Cover								
Blank, yellow	WAD 8 MC NE GE		48	**1112950000**	WAD 8 MC NE GE		48	**1112950000**
Blank, white	WAD 8 MC NE WS		48	**1112940000**	WAD 8 MC NE WS		48	**1112940000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**
Hak. Cable lugs								
For detailed information on other accessories and application in the online catalogue	Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.							

WDU 10/ZR — 10 mm²

Additional connection on right 4 mm²



9.9 x 70 x 49
76 / 16
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	65	65	
10	AWG 16...6	AWG 16...6	
	8 kV / 3		
	B6, A4 / V-0		

Rated connection	Further connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...1.9 Nm / (M 4)	
12 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
1.5...6	
1...6 / 1...6	

Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm. Upper right ZR connection A 4.

Type	Qty.	Order No.
WDU 10/ZR	50	**1042400000**
WDU 10/ZR BL	50	**1042480000**

The measurement data relates to the 10 mm² connection.

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	**1052560000**
WQV 10/10	57 A	20	**1052460000**
WEW 35/2		100	**1061200000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Cross-connections, socket and test plug, see section "W series accessories".

WDU 10 SL — 10 mm²

9.9 x 60 x 46.25
76 / 10
1.31...10

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	352
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm²
	6 kV / 2		
	A5 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
1.5...10 / 1.5...10	
1...6 / 1.5...10	
1.2...2.4 Nm / (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

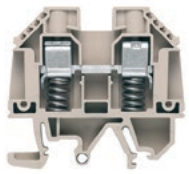
Type	Qty.	Order No.
WDU 10 SL	50	**9537480000**

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	**1052560000**
WQV 10/10	57 A	20	**1052460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		100	**1061200000**
WTA 5/1		25	**1051260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

WDU 10 SL/EN — 10 mm²



9.9 x 56.6 x 51.1
76 / 16
1.31...16

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
630	600	300	550
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm²
	6 kV / 2		
	A6 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
1.5...16 / 1.5...16	
1...6 / 1.5...10	
1.2...2.4 Nm / (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm² stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL/EN	50	**9537490000**

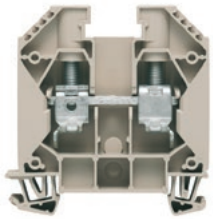
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	**1052560000**
WQV 10/10	57 A	20	**1052460000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WEW 35/2		100	**1061200000**
WTA 5/1		25	**1051260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
HBT 1,5 - 4,6 RT		100	**1233340000**
HBT 2,5 - 4,6 BL		100	**1233330000**
HBT 6,0 - 4,6 GE		100	**1216230000**

Cross-connections, see section "W series accessories".

WDU 16 — 16 mm²

With peg for higher connection stability



Width/Height/Depth	11.9 x 60 x 62.5 mm
max. current / max. cond. cross-section	**101 / 25** A/mm²
Max. clamping range	**0.82...25** mm²

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²

IEC 60947-7-1		Ex e II	II 2 G D
IEC	**UL**	**CSA**	**EN 60079-7**
1000	600	600	690
76	85	85	76
16	AWG 18...4	AWG 18...6	16 mm²
	8 kV / 3		
	B7 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
1.5...16 / 1.5...25	
1.5...25 / 1.5...16	
3...4 Nm / (M 5)	
16 / 1.0 x 5.5 mm	
1.5...4	
1.5...4 / 1.5...4	

Note

Conductor connection H07V-..16 and AWG 6 with tightening torque of 2.0-2.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 16	50	**1020400000**
blue	WDU 16 BL	50	**1020480000**

Note

Order No. 1020400000 and 1020480000 (blue) versions without pegs (50 pcs.)

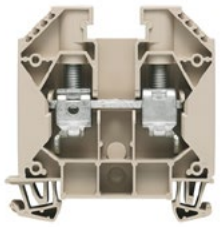
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 16/2	76 A	50	**1053260000**
10-pole	WQV 16/10	76 A	10	**1053360000**
End plate / Partition plate				
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 12 MC B GE/SW		32	**2445090000**
Blank, white	WAD 12 MC NE WS		32	**2445070000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Socket and test plug, see section "W-series accessories"

WDU 16 IR — 16 mm²



Width/Height/Depth	11.9 x 60 x 62.5 mm
max. current / max. cond. cross-section	101 / 25 A/mm²
Max. clamping range	0.82...25 mm²

Technical data

IEC 60947-7-1 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	1000			690 V
Rated current	76			76 A
for wire cross-section	16			16 mm² mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B7 / V-0	
Approvals				DEMKO14ATEX1338U

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	1.5...16 / 1.5...25 mm²	
Flexible / Flexible with ferrule	1.5...25 / 1.5...16 mm²	
Tightening torque (clamping screw for copper conductors)	3...4 Nm / (M 5) -	
Stripping length / Blade size	16 / TX 15 mm/-	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	1.5...4 -	
Flexible / Flexible with ferrule	1.5...4 / 1.5...4 -	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 16 IR	50	1393390000
dark beige			
blue			

Note

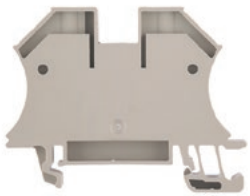
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 16/2	76 A	50	1053260000
4-pole				
10-pole	WQV 16/10	76 A	10	1053360000
End plate / Partition plate				
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket				
dark beige	WEW 35/1		50	1059000000
Testing / Checking				
Standard				
Cover				
With lightning flash symbol	WAD 12 M.BL.		50	1055960000
Blank, white	WAD 12 NEUTRAL		50	1056260000
Additional connection				
4 mm²				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000

For detailed information on other accessories and application in the online catalogue

WDU 16N — 16 mm²

Suitable for power distribution
Compact design



Width/Height/Depth	12 x 60 x 46.5 mm
max. current / max. cond. cross-section	101 / 25 A/mm²
Max. clamping range	1.5...25 mm²

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	690	600	300	V
Rated current	76	70	70	A
for wire cross-section	16	AWG 14...6	AWG 14...6	mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B7 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	1.5...16 / 1.5...25 mm²	
Flexible / Flexible with ferrule	1.5...16 / 1.5...16 mm²	
Tightening torque (clamping screw for copper conductors)	1.2...2.4 Nm / (M 4) -	
Stripping length / Blade size	12 / 1.0 x 5.5 mm mm/-	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	1.5...4 -	
Flexible / Flexible with ferrule	1.5...4 / 1.5...4 -	

AWG 6/7 and H07V-R25 tighten with a tightening torque of 1.5 Nm.

Ordering data

Type	Qty.	Order No.
WDU 16N	50	1036100000
WDU 16N BL	50	1036180000

1000 VDC rated voltage tested.

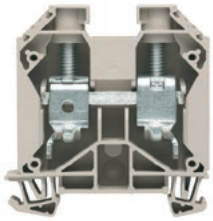
Accessories

Type	current	Qty.	Order No.
WQV 16N/2	76 A	50	1636560000
WQV 16N/4	76 A	50	1636580000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WAD 12N GE BED		50	1073200000
WAD 12N WS		50	1073290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/12 MC NE WS		300	1905970000

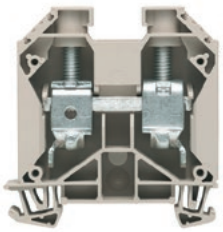
Cross-connections, socket and test plug, see section "W series accessories".

WDU 35 — 35 mm²

Clamping screw / spigot for good connection stability



WDU 35 IR — 35 mm²



		WDU 35	WDU 35 IR
Width/Height/Depth	mm	16 x 60 x 62.5	16 x 60 x 62.5
max. current / max. cond. cross-section	A/mm²	**150 / 50**	**150 / 50**
Max. clamping range	mm²	**2.5...50**	**2.5...50**

Technical data

		WDU 35	WDU 35 IR
Rated data		IEC 60947-7-1 — Ex e II — II 2 G D	IEC 60947-7-1 — Ex e II — II 2 G D
		IEC: 1000 / UL: 1000 / CSA: 600 / EN 60079-7: 690	IEC: 1000 / CSA: 690
Rated voltage	V	125 / 150 / 150 / 115	125 / 115
Rated current	A	35 / AWG 12...0 / AWG 12...2 / 35 mm²	35 / 35 mm²
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity		8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		B8 / V-0	B8 / V-0
Approvals		DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		Rated connection: 2.5...16 / 2.5...50 — Further connection	Rated connection: 2.5...16 / 2.5...50 — Further connection
Solid / Stranded	mm²	2.5...35 / 2.5...35	2.5...35 / 2.5...35
Flexible / Flexible with ferrule	mm²	4...5 Nm / (M 6)	4...5 Nm / (M 6)
Tightening torque (clamping screw for copper conductors)	-	18 / 6.5 x 1.2 mm	18 / TX 20
Stripping length / Blade size	mm/-		
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	2.5...10 / 16...16	
Flexible / Flexible with ferrule	mm²	2.5...16 / 2.5...16	
Note			

Ordering data

Version		**Type**	**Qty.**	**Order No.**
	dark beige	WDU 35	40	**1020500000**
	dark beige			
	blue	WDU 35 BL	40	**1020580000**
Note		Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).		

Type	**Qty.**	**Order No.**
WDU 35 IR	40	**1393400000**

Accessories

Screwable cross-connection		**Type**	**current**	**Qty.**	**Order No.**
	2-pole	WQV 35/2	135 A	50	**1053060000**
	4-pole				
	10-pole	WQV 35/10	112 A	10	**1053160000**
End plate / Partition plate					
	dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
	Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket					
	dark beige	WEW 35/1		50	**1059000000**
Testing / Checking					
	Standard				
Cover					
	With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**
	Blank, white	WAD 12 NEUTRAL		50	**1056260000**
Additional connection					
	4 mm²				
Identification systems					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/6.5 MC NE WS		540	**1609920000**

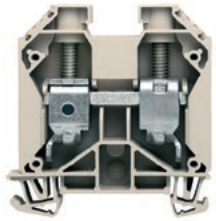
Type	**current**	**Qty.**	**Order No.**
WQV 35/2	135 A	50	**1053060000**
WQV 35/10	112 A	10	**1053160000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/1		50	**1059000000**
WAD 12 M.BL.		50	**1055960000**
WAD 12 NEUTRAL		50	**1056260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section "W series accessories".

WDU 35 IK — 35 mm²

Hexagonal socket / spigot for good connection stability



16 x 60 x 62.5
150 / 50
2.5...50

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	150	150	115
35	AWG 12...NaN	AWG 12...1	35 mm²
	8 kV / 3		
	B8 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...6 Nm / (M 6)	
18 / S4 (DIN 6911)	
2.5...10 / 16...16	
2.5...16 / 2.5...16	

Type	Qty.	Order No.
WDU 35/IK	25	**1020600000**
WDU 35/IK/ZA	25	**1029000000**
WDU 35/IK BL	25	**1020680000**

Order No. 1020600000 and 1020680000 (blue) versions without pegs (25 pcs.).

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	**1053060000**
WQV 35/10	112 A	10	**1053160000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/1		50	**1059000000**
WAD 12 M.BL.		50	**1055960000**
WAD 12 NEUTRAL		50	**1056260000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Cross-connections, socket and test plug, see section "W series accessories".

WDU 35N — 35 mm²

Suitable for power distribution
Compact design

16 x 66 x 50.5
150 / 50
2.5...50

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500	1000	600	352
125	150	150	110
35	AWG 12...0	AWG 12...2	35 mm²
	6 kV / 3		
	B8 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	
2.5...6	
2.5...6 / 2.5...6	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 35N	20	**1040400000**
WDU 35N BL	20	**1040480000**

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	**1079200000**
WQV 35N/4	101 A	20	**1079400000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 16N GE BED		50	**1083600000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Cross-connections, see section "W series accessories".

WDU 50N — 50 mm²

Compact design

WDU 50N IR — 50 mm²

Six-lobe socket

		WDU 50N	WDU 50N IR
Width/Height/Depth	mm	18.5 x 70 x 69.6	18.5 x 70 x 69.6
max. current / max. cond. cross-section	A/mm²	**192 / 70**	**192 / 70**
Max. clamping range	mm²	**10...70**	**10...70**

Technical data

Rated data		WDU 50N	WDU 50N IR
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	Ex e II	Ex e II
for wire cross-section	mm²	II 2 G D	II 2 G D
Rated impulse withstand voltage / Pollution severity		IEC: 1000 / UL: 600 / CSA: 600 / EN 60079-7: 690	IEC: 1000 / CSA: 150 / EN 60079-7: 690
Gauge to IEC 60947-1 / UL 94 flammability rating		IEC: 150 / UL: 150 / CSA: 150 / EN 60079-7: 126	IEC: 150 / CSA: 150 / EN 60079-7: 126
Approvals		IEC: 50 / UL: AWG 10...0 / CSA: AWG 8...0 / EN 60079-7: 50 mm²	IEC: 50 / CSA: 150 / EN 60079-7: 50 mm²
		8 kV / 3	8 kV / 3
		B10 / V-0	B10 / V-0
		DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		**Rated connection / Further connection**	**Rated connection / Further connection**
Solid / Stranded	mm²	6...16 / 6...70	10...16 / 10...70
Flexible / Flexible with ferrule	mm²	10...50 / 6...50	10...50 / 10...50
Tightening torque (clamping screw for copper conductors)	-	3.5...6 Nm / (M 6)	3...6 Nm / (M 6)
Stripping length / Blade size	mm/-	24 / S4 (DIN 6911)	24 / TX 20
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	-	...16 / 6...16	...16 / 6...16
Flexible / Flexible with ferrule	mm²	6...16 / 6...16	6...16 / 6...16
Note		1000 V DC rated voltage tested.	1000 V DC rated voltage tested.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 50N	10	**1820840000**
blue	WDU 50N BL	10	**1820850000**
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	Qty.	Order No.
WDU 50N IR	10	**1186630000**
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 50N/2	150 A	5	**1834060000**
3-pole	WQV 50N/3	150 A	5	**1834070000**
4-pole	WQV 50N/4	150 A	5	**1834080000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**
Additional connection				
10 mm²	WZAD 50N		5	**1872720000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	**1834060000**
WQV 50N/3	150 A	5	**1834070000**
WQV 50N/4	150 A	5	**1834080000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 50N		5	**1872720000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
TH-S 9-40		1	**9008880000**

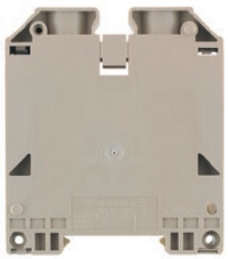
For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDU 70N — 70 mm²

Compact design



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm²
	8 kV / 3		
	B11 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	

1000 V DC rated voltage tested.

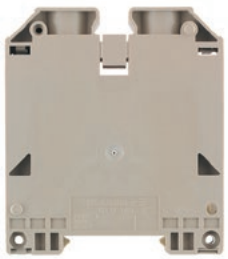
Type	Qty.	Order No.
WDU 70N/35	10	9512190000
WDU 70N/35 BL	10	9512420000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 70N/35 IR — 70 mm²



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600		690
192	150		184
70	AWG 6...0		70 mm²
	8 kV / 3		
	B11 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / TX 40	

Type	Qty.	Order No.
WDU 70N/35 IR	10	1393420000

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
TH-S 9-40		1	9008880000

WDU 95N/120N — 120 mm²

Compact design

27 x 91 x 90
290 / 150
16...150

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	221
120	AWG 4...250	AWG 4...0	120 mm²
	8 kV / 3		
	B13 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...150	
16...120 / 16...95	
12...20 Nm / (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 95N/120N	5	1820550000
WDU 95N/120N BL	5	1820560000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	1826890000
WQV 95N/120N/3	269 A	5	1826900000
WQV 95N/120N/4	269 A	5	1826910000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 95N/120N		5	1859580000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 240 — 240 mm²

Width/Height/Depth	36 x 100 x 123.7 mm
max. current / max. cond. cross-section	**415 / 240** A/mm²
Max. clamping range	**70...240** mm²

Technical data

Rated data				
	IEC	UL	CSA	EN 60079-7
Rated voltage	1000	600	600	1100 V
Rated current	415	380	400	350 A
for wire cross-section	240		AWG 0...500	240 mm²
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B15 / V-0	
Approvals				KEMA01ATEX2186U

IEC 60947-7-1 — Ex e II — II 2 G D

Clamped conductors (H05V/H07V)	Rated connection	Further connection
Solid / Stranded	-	/ 70...240
Flexible / Flexible with ferrule	mm²	70...240 / 70...185
Tightening torque (clamping screw for copper conductors)	-	25...30 Nm / (M 10)
Stripping length / Blade size	mm/-	40 / S8 (DIN 6911)
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	-	/ 35...95
Flexible / Flexible with ferrule	mm²	50...95 / 35...50

Note

Copper straps can be used; see online catalogue for possible connections.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 240	2	**1802780000**
blue	WDU 240 BL	2	**1822210000**

Note

1000 VDC rated voltage tested.

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQB 240/2	320 A	5	**1802790000**
3-pole	WQB 240/3	320 A	5	**1802800000**
4-pole				
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol				
Blank, white				
Additional connection				
10 mm²	WZAD 240		5	**1802810000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**

For detailed information on other accessories and application in the online catalogue

Leaf clamp

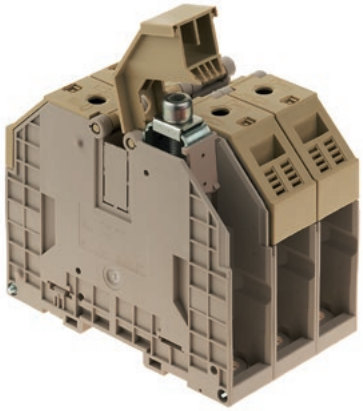
Leaf clamp conductor connection for large cross-sections

It is no longer the case that conductors with large cross-sections have to be forced into the clamping point. Instead, they can now be easily laid in the modular terminal.

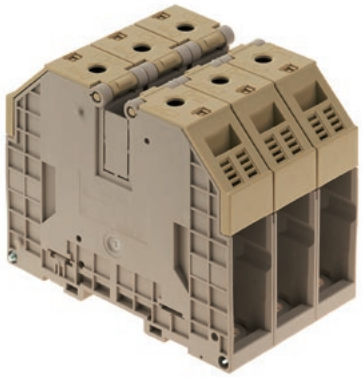
In addition to the individual form, every type of terminal can also be supplied in the form of 3-, 4- and 5-pole blocks. All the blocks are permanently screwed together and therefore guarantee additional rigidity. Direct mounting is possible thanks to the elongated holes on the underside of the terminals. Terminal blocks can be screwed directly to mounting plates with a 25 mm pitch.

The other advantages are:

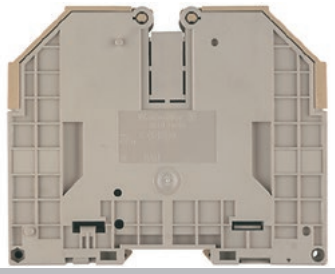
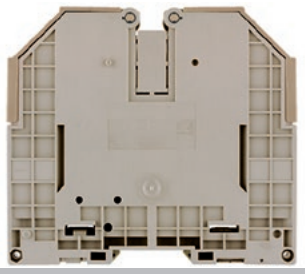
- Constant force transfer through selfadjusting connection system
- Mounting in any direction
- Electric shock protection (finger-proof) to German standard VBG 4, also with cross-connections
- Extremely resistant to distortion



Open cover and remove screw assembly



Close cover and tighten screw with Allen key

	WDU 70/95	WDU 120/150
	95 mm²	120 mm²
	Conductor can be inserted from above / leaf spring	Conductor can be inserted from above / leaf spring
		
Width/Height/Depth mm	27 x 132 x 107	32 x 132 x 117
max. current / max. cond. cross-section A/mm²	**232 / 120**	**309 / 150**
Max. clamping range mm²	**13.3...120**	**33.63...150**

Technical data

	WDU 70/95	WDU 120/150
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II II 2 G D	Ex e II II 2 G D
for wire cross-section mm²	IEC: 1000 / UL: 1000 / CSA: 600 / EN 60079-7: 1100	IEC: 1000 / UL: 1000 / CSA: 600 / EN 60079-7: 1100
	IEC: 232 / UL: 175 / CSA: 205 / EN 60079-7: 218	IEC: 269 / UL: 225 / CSA: 285 / EN 60079-7: 265
	IEC: 95 / UL: AWG 6...0 / CSA: AWG 6...0 / EN 60079-7: 95 mm²	IEC: 120 / UL: AWG 2...250 / CSA: AWG 2...250 / EN 60079-7: 150 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B12 / V-0	B13 / V-0
Approvals	DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)	**Rated connection / Further connection**	**Rated connection / Further connection**
Solid / Stranded mm²	16...16 / 16...120	/ 35...150
Flexible / Flexible with ferrule mm²	16...95 / 16...95	35...150 / 35...150
Tightening torque (clamping screw for copper conductors) -	6...12 Nm / (M 8)	10...20 Nm / (M 10)
Stripping length / Blade size mm/-	30 / S6 (DIN 6911)	35 / S6 (DIN 6911)
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded mm²	16...16 / 16...35	...16 / 35...70
Flexible / Flexible with ferrule mm²	16...35 / 16...35	35...70 / 35...70
Note		

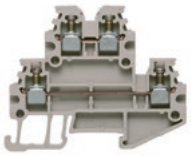
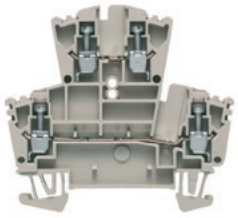
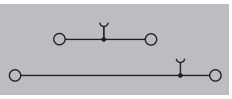
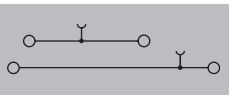
Ordering data

	WDU 70/95	WDU 120/150
Version	**Type / Qty. / Order No.**	**Type / Qty. / Order No.**
dark beige	WDU 70/95 / 10 / **1024600000**	WDU 120/150 / 10 / **1024500000**
blue	WDU 70/95 BL / 10 / **1024680000**	WDU 120/150 BL / 10 / **1024580000**
Note	For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.	For direct mounting see section W-Series, Accessories.

Accessories

	WDU 70/95	WDU 120/150
Screwable cross-connection	**Type / current / Qty. / Order No.**	**Type / current / Qty. / Order No.**
2-pole	WQV 70/95/2 / 192 A / 5 / **1063500000**	WQV 120/2 / 269 A / 5 / **1063300000**
3-pole	WQV 70/95/3 / 232 A / 5 / **1063600000**	WQV 120/3 / 269 A / 5 / **1063400000**
End bracket		
dark beige	WEW 35/1 / 50 / **1059000000**	WEW 35/1 / 50 / **1059000000**
Cover		
With lightning flash symbol	WAD 27 M. BL. / 10 / **1062860000**	WAD 27 M. BL. / 10 / **1062860000**
Blank, white	WAD 27 NEUTRAL / 10 / **1062960000**	WAD 27 NEUTRAL / 10 / **1062960000**
Additional connection		
4 mm²	WZAD 70/95 / 10 / **1066000000**	WZAD120 / 10 / **1066100000**
Ribbon cable clamp		
	WFL 70/95 / 5 / **1616330000**	WFL 120/150 / 5 / **1616340000**
Identification systems		
	DEK 5/5 MC NE WS / 1000 / **1609801044**	DEK 5/5 MC NE WS / 1000 / **1609801044**
	WS 12/6.5 MC NE WS / 540 / **1609920000**	WS 12/6.5 MC NE WS / 540 / **1609920000**
Screwdriver		
Standard	SKS 2,0-8,0 MR / 1 / **9008870000**	SKS 2,0-8,0 MR / 1 / **9008870000**
For detailed information on other accessories and application in the online catalogue	Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".	Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Feed-through terminal blocks

	WDK 1.5/R3.5	WDK 2.5
	1.5 mm²	**2.5 mm²**
	Double feed-through terminal	**Screwable cross-connection**
		
Width/Height/Depth mm	3.5 x 46.5 x 37.5	5.1 x 69.5 x 62.5
max. current / max. cond. cross-section A/mm²	**16 / 1.5**	**32 / 4**
Max. clamping range mm²	**0.13...1.5**	**0.05...4**
		

Technical data

Rated data						
		IEC 60947-7-1		Ex e II	II 2 G D	
		IEC	UL	CSA	EN 60079-7	
Rated voltage	V	400	300	300	275	
Rated current	A	16	15	10	15	
for wire cross-section	mm²	1.5	AWG 26...14	AWG 26...14	1.5 mm²	
Rated impulse withstand voltage / Pollution severity				4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A1 / V-0		
Approvals					KEMA99ATEX6545U	
Clamped conductors (H05V/H07V)		**Rated connection**		**Further connection**		
Solid / Stranded	mm²	0.5...1.5 / 1.5...1.5				
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5				
Tightening torque (clamping screw for copper conductors)	-	0.3 Nm / (M 2)				
Stripping length / Blade size	mm/-	7 / 0.4 x 2.5 mm				
2 conductors with same cross-section (H05V/H07V)						
Solid / Stranded	mm²	0.5...0.75				
Flexible / Flexible with ferrule	mm²	0.5...0.75 / 0.5...0.5				
Note		PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule				

Rated data						
		IEC 60947-7-1		Ex e II	II 2 G D	
		IEC	UL	CSA	EN 60079-7	
Rated voltage	V	400	600	300	275	
Rated current	A	24	20	10	21	
for wire cross-section	mm²	2.5	AWG 22...12	AWG 26...12	2.5 mm²	
Rated impulse withstand voltage / Pollution severity				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0		
Approvals					KEMA98ATEX1687U	
Clamped conductors (H05V/H07V)		**Rated connection**		**Further connection**		
Solid / Stranded	mm²	0.5...4 / 1.5...4				
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5				
Tightening torque (clamping screw for copper conductors)	-	0.4...0.6 Nm / (M 2.5)				
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				
2 conductors with same cross-section (H05V/H07V)						
Solid / Stranded	mm²	0.5...1.5				
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5				
Note		2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).				

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 1.5/R3.5	100	**1753290000**
blue			
Note			

Type	Qty.	Order No.
WDK 2.5	100	**1021500000**
WDK 2.5 BL	100	**1021580000**
For colour versions, see section on W-series Accessories - specific functions.		

Accessories

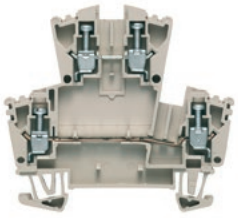
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 1.5N/2	17.5 A	60	**1985410000**
10-pole	ZQV 1.5N/10	17.5 A	20	**1985580000**
2-pole				
10-pole				
2-pole				
10-pole				
Screwable cross-connection				
2-pole				
10-pole				
End plate / Partition plate				
dark beige	WAP WDK1.5/R3.5		20	**1754200000**
Blue				
dark beige				
End bracket				
dark beige	EW 15		50	**0382860000**
Cover				
With lightning flash symbol				
Blank, white				
Identification systems				
	DEK 5/3.5 MC NE WS		500	**1755270000**
	DEK 5/3.5 MM WS		1000	**2007100000**
	WS 8/3.5 MM WS		1000	**2007140000**

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

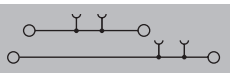
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, test and socket plug, see section "W series accessories". Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 ZQV — 2.5 mm²

Plug-in cross-connection



5.1 x 65.4 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	25	21
2.5	AWG 22...12	AWG 26...12	2.5 mm²
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDK 2.5 ZQV	100	**1041100000**
WDK 2.5 ZQV BL	100	**1041180000**

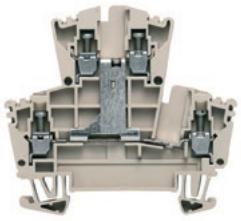
Rated voltage is 400 V when using the ZQV cross-connector.
For colour versions, see section on W-series Accessories

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	**1527540000**
ZQV 2.5N/10	24 A	20	**1527690000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

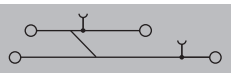
Cross-connections, test and socket plug, see section "W series accessories".
Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 V — 2.5 mm²

Both levels at one potential



5.1 x 69.5 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	10	21
2.5	AWG 30...12	AWG 26...12	2.5 mm²
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDK 2.5V	100	**1022300000**
WDK 2.5V BL	100	**1022380000**

For colour versions, see section on W-series Accessories - specific functions.

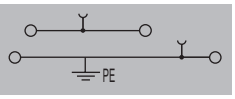
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, test and socket plug, see section "W series accessories".
Ensure 2.5 mm² max. when using the WQB.

WDK 2.5 DU-PE — 2.5 mm²

Lower level earthed on terminal rail

5.1 x 69.5 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 (-7-2) — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	20	21
2.5	AWG 22...12	AWG 22...12	2.5 mm²
6 kV / 3			
A3 / V-0			

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

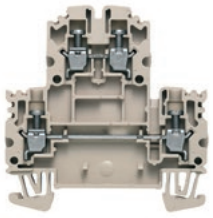
Type	Qty.	Order No.
WDK 2.5DU-PE	100	**1036400000**

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, test and socket plug, see section "W series accessories".
Ensure 2.5 mm² max. when using the WQB.

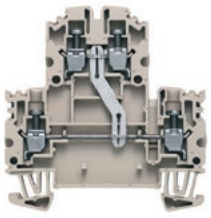
WDK 2.5N — 2.5 mm²

Plug-in cross-connection
Compact design

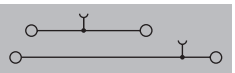


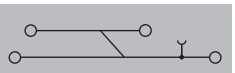
WDK 2.5N V — 2.5 mm²

Both levels at one potential
Compact design



		WDK 2.5N	WDK 2.5N V
Width/Height/Depth	mm	5.1 x 61 x 62	5.1 x 61 x 62
max. current / max. cond. cross-section	A/mm²	28 / 4	28 / 4
Max. clamping range	mm²	0.05...4	0.05...4





Technical data

Rated data		WDK 2.5N	WDK 2.5N V
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	Ex e II	Ex e II
for wire cross-section	mm²	II 2 G D	II 2 G D
Rated impulse withstand voltage / Pollution severity		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Gauge to IEC 60947-1 / UL 94 flammability rating		800 / 300 / 550	800 / 300 / 550
Approvals		24 / 20 / 21	24 / 20 / 21
Clamped conductors (H05V/H07V)		2.5 / AWG 26...12 / 2.5 mm²	2.5 / AWG 26...12 / 2.5 mm²
Solid / Stranded	mm²	8 kV / 3	8 kV / 3
Flexible / Flexible with ferrule	mm²	A3 / V-0	A3 / V-0
Tightening torque (clamping screw for copper conductors)	-	KEMA00ATEX2061U	KEMA00ATEX2061U
Stripping length / Blade size	mm/-		
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		

Rated connection	Further connection	WDK 2.5N	WDK 2.5N V
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			

Note	WDK 2.5N	WDK 2.5N V
	Rated voltage is reduced to 400 V when using the ZQV 2.5N cross-connector.	Rated voltage is reduced to 400 V when using the ZQV cross-connector.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5N	100	1041600000
blue	WDK 2.5N BL	100	1041680000

Type	Qty.	Order No.
WDK 2.5N V	100	1041610000

Note

Accessories

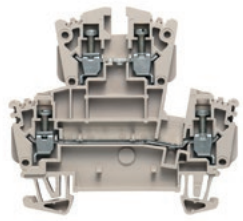
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
2-pole				
10-pole				
Screwable cross-connection				
2-pole				
10-pole				
End plate / Partition plate				
dark beige	WAP WDK2.5/4 N		20	1084000000
Blue	WAP WDK2.5/4 N BL		20	1084080000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		100	1061200000
Cover				
With lightning flash symbol				
Blank, white				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
2-pole				
10-pole				
Screwable cross-connection				
2-pole				
10-pole				
End plate / Partition plate				
dark beige	WAP WDK2.5/4 N		20	1084000000
Blue	WAP WDK2.5/4 N BL		20	1084080000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		100	1061200000
Cover				
With lightning flash symbol				
Blank, white				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

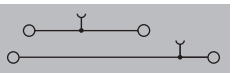
For detailed information on other accessories and application in the online catalogue	WDK 2.5N	WDK 2.5N V
	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 2.5 / 800 V — 2.5 mm²

Rated voltage 800 V



6.1 x 69 x 62.5
32 / 4
0.05...4



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800			440
24			24
2.5		AWG 26...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

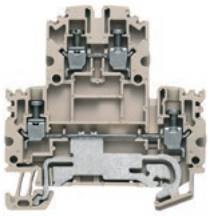
Type	Qty.	Order No.
WDK 2.5/EX	100	1029100000

Type	current	Qty.	Order No.
Q 2 AKZ4SS	20 A	50	0369000000
Q 10 AKZ4SS	20 A	20	0369300000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

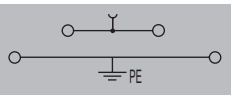
Cross-connections, test and socket plug, see section "W series accessories". Ensure 2.5 mm² max. when using the WQB.

WDK 2.5N DU-PE — 2.5 mm²

Lower level earthed on terminal rail
Compact design



5.1 x 61 x 62
28 / 4
0.05...4



IEC 60947-7-1 (-7-2) — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800		300	550
24		20	21
2.5		AWG 26...12	2.5 mm²
	8 kV / 3		
	A3 / V-0		

KEMA00ATEX2061U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is reduced to 400 V when using the ZQV cross-connector. 2 conductors via the PE connection are not permissible!

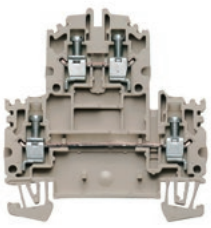
Type	Qty.	Order No.
WDK 2.5N DU-PE	100	1041650000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

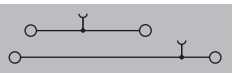
Cross-connections, see section "W series accessories".

WDK 4N — 4 mm²

Solid / stranded
Flexible / flexible with wire-end ferrule



6.1 x 60 x 63.25
35 / 6
0.13...6



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26...10	AWG 26...10	4 mm²
	8 kV / 3		
	A4 / V-0		

KEMA00ATEX2061U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage: 400 V when using ZQV cross-connection
2 wire H07V-U1.5, tighten with 0.6 Nm.

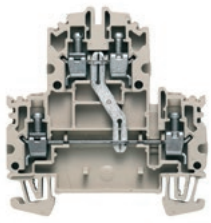
Type	Qty.	Order No.
WDK 4N	100	1041900000
WDK 4N BL	100	1041980000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 PLUS MC NE WS		600	1951880000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

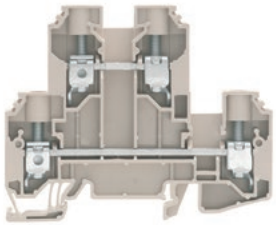
Cross-connections, see section "W series accessories".

WDK 4N V — 4 mm²

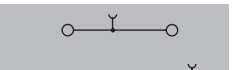
Both levels at one potential
Compact design



WDK 10 — 10 mm²



		WDK 4N V	WDK 10
Width/Height/Depth	mm	6.1 x 60.7 x 63.25	9.9 x 85 x 69
max. current / max. cond. cross-section	A/mm²	**35 / 6**	**70 / 16**
Max. clamping range	mm²	**0.13...6**	**1.5...16**



Technical data

Rated data		WDK 4N V	WDK 10
		IEC 60947-7-1	IEC 60947-7-1
Rated voltage	V	800	800
Rated current	A	32	57
for wire cross-section	mm²	4	10
Rated impulse withstand voltage / Pollution severity		8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A4 / V-0	B6 / V-0
Approvals		KEMA00ATEX2061U	
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...6 / 1.5...6	1.5...16 / 1.5...16
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4	1.5...16 / 1.5...16
Tightening torque (clamping screw for copper conductors)	-	0.5...1 Nm / (M 3)	1.2...1.9 Nm / (M 4)
Stripping length / Blade size	mm/-	8 / 0.6 x 3.5 mm	12 / 1.0 x 5.5 mm
2 conductors with same cross-section (H05V/H07V)			
Solid / Stranded	mm²	0.5...1.5	
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26...10	AWG 26...10	4 mm²

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Note

Rated voltage: 400 V when using ZQV cross-connection
2 wire H07V-U1.5, tighten with 0.6 Nm.

Ordering data

Version	WDK 4N V	Qty.	Order No.	WDK 10	Qty.	Order No.
dark beige	WDK 4N V	100	**1041910000**	WDK 10	50	**1186740000**
blue				WDK 10 BL	50	**1186750000**
dark beige / blue						

Note

Accessories

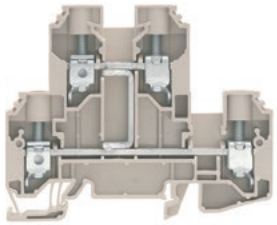
	WDK 4N V	current	Qty.	Order No.	WDK 10	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 4N/2	32 A	60	**1527930000**				
10-pole	ZQV 4N/10	32 A	20	**1528090000**				
End plate / Partition plate								
dark beige	WAP WDK2.5/4 N		20	**1084000000**	WAP WDK10		20	**1186720000**
Blue	WAP WDK2.5/4 N BL		20	**1084080000**	WAP WDK10 BL		20	**1186730000**
dark beige	WTW EN		20	**1058800000**				
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Identification systems								
	DEK 5/6 MC NE WS		1000	**1609820000**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/6 PLUS MC NE WS		600	**1951880000**				
	DEK 5/5 MM WS		800	**2007110000**				
	WS 8/5 MM WS		800	**2007150000**				
Screwable cross-connection								
2-pole					WQV 10/2	57 A	50	**1052560000**
10-pole					WQV 10/10	57 A	20	**1052460000**
Cover								
Blank, white					WAD 8 MC NE WS		48	**1112940000**
Blank, yellow					WAD 8 MC NE GE		48	**1112950000**
Screwdriver								
Standard					SDS 1.0X5.5X150		1	**9008350000**

For detailed information on other accessories and application in the online catalogue

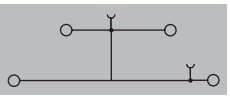
Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDK 10 V — 10 mm²



9.9 x 85 x 69
73 / 16
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	49	49	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

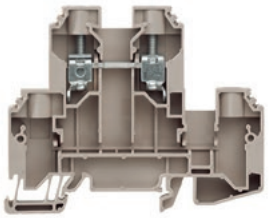
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 V	50	1186770000
WDK 10 V BL	50	1186780000

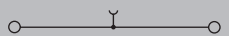
Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

Cross-connections, see section "W series accessories".

WDK 10 L — 10 mm²



9.9 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800		1000	
57		70	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

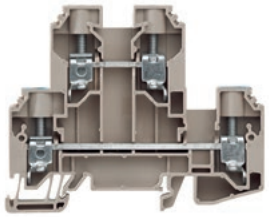
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 L	50	1415510000

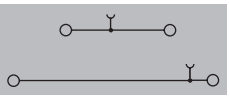
Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

Cross-connections, see section "W series accessories".

WDK 10 DU-N — 10 mm²



9.9 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

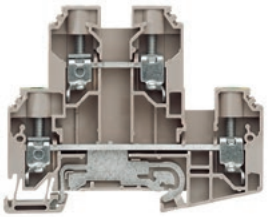
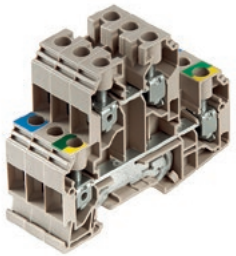
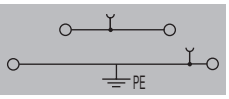
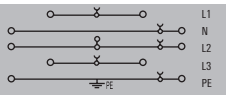
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 DU-N	50	1415520000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Feed-through terminal blocks

	WDK 10 DU-PE	10 mm²	WDK 10 SET BCD	10 mm²
				
Width/Height/Depth mm	9.9 x 85 x 69		29.7 x 85 x 69	
max. current / max. cond. cross-section A/mm²	70 / 16		70 / 16	
Max. clamping range mm²	1.5...16		1.5...16	

Technical data

Rated data	WDK 10 DU-PE	WDK 10 SET BCD
Rated voltage V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	600	600		800	600	600	
57	40	40		57	64	64	
10	AWG 18...6	AWG 18...6		10	AWG 18...6	AWG 18...6	
	8 kV / 3				8 kV / 3		
	B6 / V-0				B6 / V-0		

Clamped conductors (H05V/H07V)	Rated connection	Further connection	Rated connection	Further connection
Solid / Stranded mm²	1.5...16 / 1.5...16		1.5...16 / 1.5...16	
Flexible / Flexible with ferrule mm²	1.5...16 / 1.5...16		1.5...16 / 1.5...16	
Tightening torque (clamping screw for copper conductors) -	1.2...1.9 Nm / (M 4)		1.2...1.9 Nm / (M 4)	
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm		12 / 1.0 x 5.5 mm	
2 conductors with same cross-section (H05V/H07V)				
Solid / Stranded -				
Flexible / Flexible with ferrule -				
Note				

Ordering data

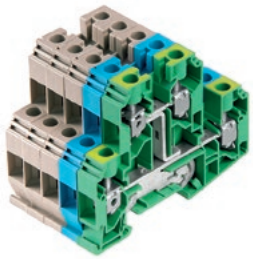
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige						
with PE foot						
dark beige / green / yellow	WDK 10 DU-PE	50	1415480000	WDK 10 SET BCD	1	1415540000
Note						

Accessories

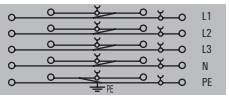
Screwable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQV 10/2	57 A	50	1052560000	WQV 10/2	57 A	50	1052560000
10-pole	WQV 10/10	57 A	20	1052460000	WQV 10/10	57 A	20	1052460000
End plate / Partition plate								
dark beige	WAP WDK10		20	1186720000	WAP WDK10		20	1186720000
Blue	WAP WDK10 BL		20	1186730000	WAP WDK10 BL		20	1186730000
End bracket								
dark beige	WEW 35/2		100	1061200000	WEW 35/2		100	1061200000
Screwdriver								
Standard	SDS 1.0X5.5X150		1	9008350000	SDS 1.0X5.5X150		1	9008350000
Cover								
Blank, white	WAD 8 MC NE WS		48	1112940000	WAD 8 MC NE WS		48	1112940000
Blank, yellow	WAD 8 MC NE GE		48	1112950000	WAD 8 MC NE GE		48	1112950000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
Cross-connection								
black								
blue								
red								

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 10 SET LS — 10 mm²



49.5 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

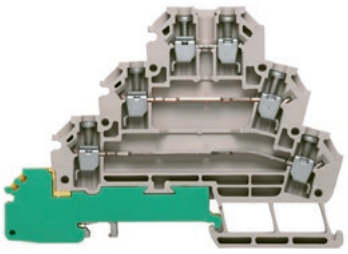
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 SET LS	1	1415530000

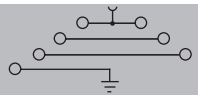
Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044

Cross-connections, see section "W series accessories".

MAK 2.5 — 2.5 mm²



6.2 x 88 x 63
31 / 4
0.13...4



IEC 60947-7-1 (-7-2)

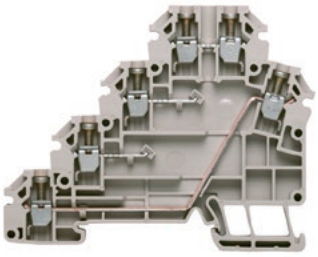
IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

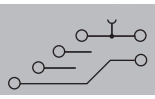
Type	Qty.	Order No.
MAK 2.5 DB	50	7917030000

Type	current	Qty.	Order No.
AP MAK2.5 DB		20	7917000000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

VLI 1.5 — 1.5 mm²



6.15 x 79.5 x 63
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
	4 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	1784120000
VLI 1.5/PE DB	50	1784130000

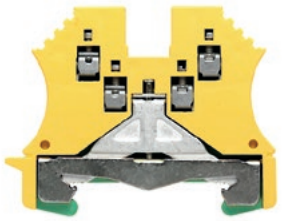
Type	current	Qty.	Order No.
AP VLI1.5 DB		20	1784150000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

WPE 1.5/R3.5 — 1.5 mm²

Protective earth terminal for TS 15

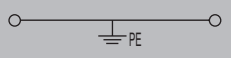
WPE 1.5/ZZ — 1.5 mm²

Twin connection

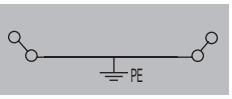


Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

3.5 x 24.5 x 24	
/ 1.5	
0.13...1.5	



5.1 x 60 x 46.5	
/ 2.5	
0.13...2.5	



Technical data

Rated data	WPE 1.5/R3.5	WPE 1.5/ZZ
for wire cross-section	mm²	mm²
Rated voltage to adjoining terminal	V	V
Rated impulse withstand voltage to adjacent terminal	kV	kV
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

	WPE 1.5/R3.5	WPE 1.5/ZZ
IEC 60947-7-2	Ex e II II 2 G D	Ex e II II 2 G D
IEC	1.5	1.5
UL	AWG 26...18	AWG 26...14
CSA	AWG 26...18	AWG 26...14
EN 60079-7	1.5 mm²	1.5 mm²
Rated voltage to adjoining terminal	400	800
Rated impulse withstand voltage to adjacent terminal	6	8
Rated short-time current	180 A (1.5 mm²)	180 A (1.5 mm²)
Pollution severity	3	3
Gauge to IEC 60947-1 / UL 94 flammability rating	A1 / V-0	A1 / V-0
Approvals		

Clamped conductors (H05V/H07V)	WPE 1.5/R3.5	WPE 1.5/ZZ
Solid / Stranded	mm²	mm²
Flexible / Flexible with ferrule	mm²	mm²
Tightening torque (clamping screw for copper conductors)		
Tightening torque (mounting screw)		
Stripping length / Blade size	mm/-	mm/-

Rated connection	WPE 1.5/R3.5	WPE 1.5/ZZ
	0.5...1.5 / 1.5...1.5	0.5...2.5 / 1.5...2.5
	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
	0.3 Nm / (M 2)	0.4...0.6 Nm / (M 2.5)
		0.4...0.6 Nm
	7 / 0.4 x 2.5 mm	7 / 0.6 x 3.5 mm

Note	WPE 1.5/R3.5	WPE 1.5/ZZ
	PZ 6/5 recommended as crimping tool for 1.5 mm² with wire-end ferrule	

Ordering data

Version	WPE 1.5/R3.5	WPE 1.5/ZZ
	green/yellow	green/yellow

Note	WPE 1.5/R3.5	WPE 1.5/ZZ

Type	Qty.	Order No.
WPE 1.5/R3.5	100	1798460000

Type	Qty.	Order No.
WPE 1.5/ZZ	100	1016500000

Accessories

End plate / Partition plate	WPE 1.5/R3.5	WPE 1.5/ZZ
	dark beige	dark beige

End bracket	WPE 1.5/R3.5	WPE 1.5/ZZ
	dark beige	dark beige

Screwdriver	WPE 1.5/R3.5	WPE 1.5/ZZ
	Standard	Standard

Identification systems	WPE 1.5/R3.5	WPE 1.5/ZZ

Type	current	Qty.	Order No.
WAP WDU1.5/R3.5		20	1754190000
EW 15		50	0382860000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

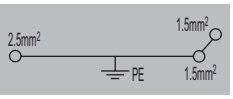
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	WPE 1.5/R3.5	WPE 1.5/ZZ
		Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 2.5/1.5/ZR — 2.5 mm²

Supplementary connection, right 1.5 mm²

5.1 x 60 x 46.5
/ 4
0.05...4



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	1.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
0.4...0.6 Nm
10 / 0.6 x 3.5 mm

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5/1.5/ZR	100	**1016400000**

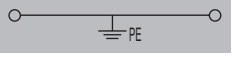
Type	current	Qty.	Order No.
WAP 2.5-10		50	**1050000000**
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

AKE 2.5 — 2.5 mm²

Protective earth terminal for TS 15

5.1 x 28 x 26
/ 4
0.13...4



IEC 60947-7-2 — Ex e II — II 2 G D

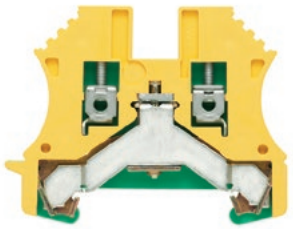
IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
250			
4			
300 A (2.5 mm²)			
3			
A3 / V-2			

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
0.4...0.6 Nm
7 / 3.0 x 0.5 mm

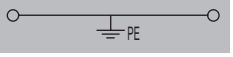
Type	Qty.	Order No.
AKE 2.5	100	**1303360000**

Type	current	Qty.	Order No.
DEK 5/5 MC NE WS		1000	**1609801044**

WPE 2.5 — 2.5 mm²



5.1 x 60 x 46.5
/ 4
0.05...4



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm²
800			
8			
300 A (2.5 mm²)			
3			
A3 / V-0			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
0.4...0.8 Nm
10 / 0.6 x 3.5 mm

2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5	100	**1010000000**

Type	current	Qty.	Order No.
WAP 2.5-10		50	**1050000000**
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

	WPE 2.5N	AKE 4
	2.5 mm²	4 mm²
	Compact design	Protective earth terminal for TS 15
Width/Height/Depth mm	5.1 x 54 x 37	7 x 32 x 34.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 4
Max. clamping range mm²	0.05...4	0.13...4

Technical data

	WPE 2.5N	AKE 4
Rated data		
for wire cross-section mm²	IEC 60947-7-2 / Ex e II / II 2 G D	IEC 60947-7-2 / Ex e II / II 2 G D
Rated voltage to adjoining terminal V	IEC: 2.5 / UL: AWG 26...12 / CSA: AWG 26...12 / EN 60079-7: 2.5 mm²	IEC: 4 / UL: AWG 26...12 / CSA: AWG 26...12 / EN 60079-7: 4 mm²
Rated impulse withstand voltage to adjacent terminal kV	500	500
Rated short-time current	6	6
Pollution severity	300 A (2.5 mm²)	480 A (4 mm²)
Gauge to IEC 60947-1 / UL 94 flammability rating	3	3
Approvals	A3 / V-0	A3 / V-2
	CE SEV EAC GL KCC cULus	CE SEV EAC cULus
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	Rated connection: 0.5...4 / 1.5...4	Rated connection: 0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	0.5...1 Nm / (M 3)
Tightening torque (mounting screw)	0.4...0.6 Nm	0.5...1 Nm
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	9 / 0.6 x 3.5 mm
Note	2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 2.5N	100	**1016200000**
Note			

Type	Qty.	Order No.
AKE 4	100	**0380260000**

Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	WAP WDU2.5N/4N		50	**1060000000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

Type	current	Qty.	Order No.
DEK 5/6.5 MC NE WS		900	**1609840000**

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4 — 4 mm²

6.1 x 56 x 46.5
/ 6
0.13...6

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...4
0.5...1 Nm / (M 3)
0.4...0.8 Nm
10 / 0.6 x 3.5 mm

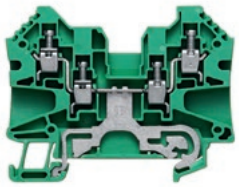
Type	Qty.	Order No.
WPE 4	100	1010100000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZZ — 4 mm²

Twin connection



6.1 x 70 x 53
/ 6
0.05...6

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...4
0.5...4 / 0.5...4
0.5...0.8 Nm / (M 3)
10 / 0.6 x 3.5 mm

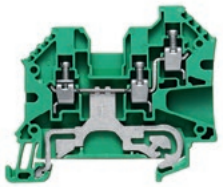
Type	Qty.	Order No.
WPE 4/ZZ	50	1905130000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

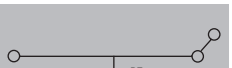
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZR — 4 mm²

Additional connection, right side



6.1 x 63.5 x 52.8
/ 6
0.05...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A4 / V-0			

Rated connection
0.5...6 / 0.5...4
0.5...4 / 0.5...4
0.5...0.8 Nm / (M 3)
10 / 0.6 x 3.5 mm

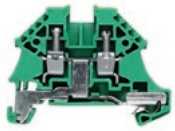
Type	Qty.	Order No.
WPE 4/ZR	50	1905120000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

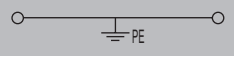
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4N — 4 mm²

Compact design



Width/Height/Depth	6.1 x 50 x 37
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.13...6



Technical data

Rated data	
for wire cross-section	mm²
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
500			
6			
480 A (4 mm²)			
3			
A3 / V-0			

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1 Nm / (M 3)
10 / 0.6 x 3.5 mm

Note

Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
WPE 4N	100	1042700000

Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	
PEN bridge	

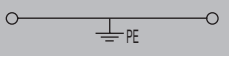
Type	current	Qty.	Order No.
WAP WDU2.5N/4N		50	1060000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 6 — 6 mm²

Width/Height/Depth	7.9 x 56 x 46.5
max. current / max. cond. cross-section	/ 10
Max. clamping range	0.08...10



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 20...8	AWG 20...8	6 mm²
800			
8			
720 A (6 mm²)			
3			
A5 / V-0			

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.3 Nm / (M 3)
0.5...1 Nm
12 / 4.0 x 0.8 mm

Conductor connection H07V-..10 and AWG 8 tighten with 1.4-1.6 Nm.

Type	Qty.	Order No.
WPE 6	50	1010200000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.8X4.0X100		1	9008340000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 10 — 10 mm²

9.9 x 56 x 46.5
/ 16
1.31...16

IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm²
1000			
8			
1200 A (10 mm²)			
3			
B6 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
1.2...1.9 Nm / (M 4)
0.5...1 Nm
12 / 1.0 x 5.5 mm

AWG 6/7 and H07V-R16 tighten with 2.4 Nm.

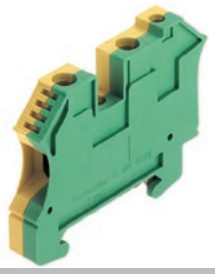
Type	Qty.	Order No.
WPE 10	50	**1010300000**

Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 1.0X5.5X150		1	**9008350000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
WQB-PEN 10	57 A	10	**1060300000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 10/ZR — 10 mm²

Additional connection on right 4 mm²



9.9 x 66 x 49
/ 16
1.31...16

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 14...6	
1000			
8			
1200 A (10 mm²)			
3			
B6, A4 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
1.2...1.9 Nm / (M 4)
0.5...1 Nm
12 / 0.6 x 3.5 mm

Max. conductor cross-sections refer to 10 mm² and 16 mm² connections. Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

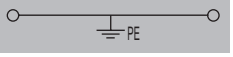
Type	Qty.	Order No.
WPE 10/ZR	50	**1042500000**

Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
WQB-PEN 10	57 A	10	**1060300000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 16 — 16 mm²

11.9 x 56 x 62.5
/ 25
1.5...25



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...6	16 mm²
1000			
8			
1920 A (16 mm²)			
3			
B7 / V-0			

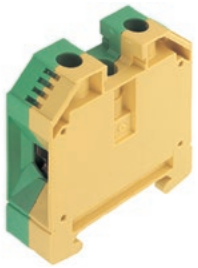
Rated connection
1.5...16 / 1.5...25
1.5...25 / 1.5...16
2...3.6 Nm / (M 5)
1.2...2.4 Nm
16 / 1.0 x 5.5 mm

For 25 mm², TS 35 x 15 (steel, 1.5 mm thick) should be used. Tighten H07V-..16 and AWG 6 conductors to 2.0-2.4 Nm.

Type	Qty.	Order No.
WPE 16	50	**1010400000**

Type	current	Qty.	Order No.
WEW 35/1		50	**1059000000**
SDS 1.0X5.5X150		1	**9008350000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
WQB-PEN 16	76 A	10	**1060200000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

	WPE 16N	WPE 35
	16 mm²	35 mm²
	Compact design	
		
Width/Height/Depth	12 x 56 x 46.5	16 x 56 x 62.5
max. current / max. cond. cross-section	/ 25	/ 35
Max. clamping range	1.5...25	2.5...35

Technical data

	WPE 16N	WPE 35
Rated data		
for wire cross-section	mm²	mm²
Rated voltage to adjoining terminal	V	V
Rated impulse withstand voltage to adjacent terminal	kV	kV
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	mm²
Flexible / Flexible with ferrule	mm²	mm²
Tightening torque (clamping screw for copper conductors)		
Tightening torque (mounting screw)		
Stripping length / Blade size	mm/-	mm/-

	WPE 16N	WPE 35
	IEC 60947-7-2	IEC 60947-7-2 Ex e II II 2 G D
IEC	16	35
UL	AWG 14...6	AWG 12...2
CSA	AWG 14...6	AWG 12...2
EN 60079-7		35 mm²
	400	800
	6	8
	1920 A (16 mm²)	4200 A (35 mm²)
	3	3
	B7 / V-0	B8 / V-0
	CE SEV EAC KCAS UL	CE SEV EAC GL KCAS UL N UL
Rated connection		
	1.5...16 / 1.5...25	2.5...16 / 2.5...35
	1.5...16 / 1.5...16	2.5...35 / 2.5...35
	1.2...2.4 Nm / (M 4)	5 Nm / (M 6)
	0.5...1 Nm	1.2...2.4 Nm
	12 / 1.0 x 5.5 mm	18 / 6.5 x 1.2 mm
Note	25 mm² stranded requires a tightening torque of 2.2 Nm.	

Ordering data

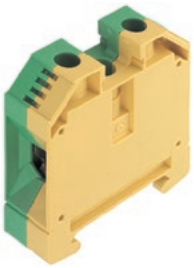
Version	Type	Qty.	Order No.
green/yellow	WPE 16N	50	1019100000
	WPE 35	25	1010500000

Accessories

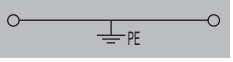
	Type	current	Qty.	Order No.
PEN bridge				
	WQV 16N-PEN BL	76 A	10	1071360000
	WQB-PEN 35	135 A	10	1060100000
End bracket				
dark beige	WEW 35/2		100	1061200000
	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 1.0X5.5X150		1	9008350000
	SDS 1.2X6.5X150		1	9009010000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue	
	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).
	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35/IKSC — 35 mm²



16 x 56 x 62.5
/ 35
2.5...35



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...1	AWG 12...2	35 mm²
800			
8			
4200 A (35 mm²)			
3			
B8 / V-0			

Rated connection
2.5...16 / 2.5...35
2.5...35 / 2.5...35
5 Nm / (M 6)
1.2...2.4 Nm
18 / 6.5 x 1.2 mm

Type	Qty.	Order No.
WPE 35/IKSC	25	**1012600000**

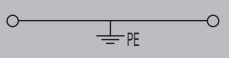
Type	current	Qty.	Order No.
WQB-PEN 35	135 A	10	**1060100000**
WEW 35/1		50	**1059000000**
SDS 1.2X6.5X150		1	**9009010000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 35N — 35 mm²

Compact design

16 x 66 x 50.5
/ 50
2.5...50



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2		35 mm²
400			
6			
4200 A (35 mm²)			
3			
B8 / V-0			

Rated connection
2.5...16 / 2.5...50
2.5...35 / 2.5...35
4...5 Nm / (M 6)
1.2...2.4 Nm
18 / 6.5 x 1.2 mm

Type	Qty.	Order No.
WPE 35N	20	**1717740000**

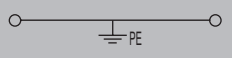
Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 1.2X6.5X150		1	**9009010000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 50N — 50 mm²

Compact design

18.5 x 71 x 69.6
/ 70
5.26...70



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm²
1000			
8			
6000 A (50 mm²)			
3			
B10 / V-0			

Rated connection
10...16 / 10...70
10...50 / 10...50
4...6 Nm / (M 6)
3...4 Nm
24 / S4 (DIN 6911)

For 50 and 70 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 50N	10	**1846040000**

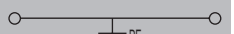
Type	current	Qty.	Order No.
WQV PEN 50N	150 A	5	**9201610000**
WEW 35/1		50	**1059000000**
SKS 2,0-8,0 MR		1	**9008870000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 12/6.5 MC NE WS		540	**1609920000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 70N/35 — 70 mm²

Compact design

Width/Height/Depth	20.5 x 75 x 85
max. current / max. cond. cross-section	/ 95
Max. clamping range	16...95



Technical data

Rated data				
IEC 60947-7-2			Ex e II	II 2 G D
IEC	**UL**	**CSA**	**EN 60079-7**	
for wire cross-section	70 mm²	AWG 6...0	AWG 6...0	70 mm²
Rated voltage to adjoining terminal	1000 V			
Rated impulse withstand voltage to adjacent terminal	8 kV			
Rated short-time current	8400 A (70 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B11 / V-0			
Approvals	CE SEV cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	16...16 / 16...95 mm²			
Flexible / Flexible with ferrule	16...70 / 16...70 mm²			
Tightening torque (clamping screw for copper conductors)	8...12 Nm / (M 8)			
Tightening torque (mounting screw)	2...4 Nm			
Stripping length / Blade size	22 / S6 (DIN 6911) mm/-			

Note

For 50 - 95 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 70N/35	10	**9512200000**

Note

WPE 95N/120N — 95 mm²

Compact design

Width/Height/Depth	27 x 91 x 90
max. current / max. cond. cross-section	/ 150
Max. clamping range	16...150

Rated data				
IEC 60947-7-2			Ex e II	II 2 G D
IEC	**UL**	**CSA**	**EN 60079-7**	
for wire cross-section	95 mm²	AWG 4...0	AWG 4...0	120 mm²
Rated voltage to adjoining terminal	1000 V			
Rated impulse withstand voltage to adjacent terminal	8 kV			
Rated short-time current	11400 A (95 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B13 / V-0			
Approvals	CE SEV cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	16...16 / 16...150 mm²			
Flexible / Flexible with ferrule	16...120 / 16...95 mm²			
Tightening torque (clamping screw for copper conductors)	16...20 Nm / (M 10)			
Tightening torque (mounting screw)	3...4 Nm			
Stripping length / Blade size	27 / S6 (DIN 6911) mm/-			

Note

For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Type	Qty.	Order No.
WPE 95N/120N	5	**1846030000**

UL, CSA and ATEX certifications are pending

Accessories

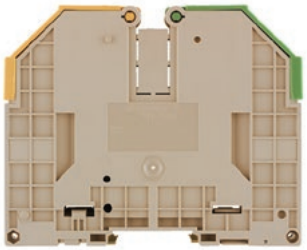
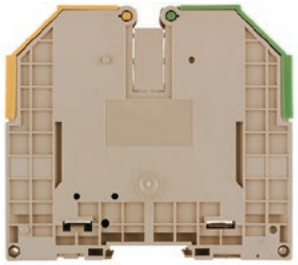
PEN bridge	Type	current	Qty.	Order No.
	WQV 70N-PEN	192 A	5	**9525840000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**

Type	current	Qty.	Order No.
WQV PEN 95N/120N		5	**9201630000**
WEW 35/1		50	**1059000000**
SKS 2,0-8,0 MR		1	**9008870000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

		WPE 70/95	95 mm²	WPE 120/150	120 mm²
		Conductor can be inserted from above / leaf spring		Conductor can be inserted from above / leaf spring	
					
Width/Height/Depth	mm	27 x 132 x 107		32 x 132 x 117	
max. current / max. cond. cross-section	-/mm²	/ 120		/ 150	
Max. clamping range	mm²	13.3...120		33.62...150	

Technical data

		IEC 60947-7-2		Ex e II	II 2 G D
Rated data		**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	mm²	95	AWG 6...0	AWG 6...0	120 mm²
Rated voltage to adjoining terminal	V	1000			
Rated impulse withstand voltage to adjacent terminal	kV	8			
Rated short-time current		11400 A (95 mm²)			
Pollution severity		3			
Gauge to IEC 60947-1 / UL 94 flammability rating		B12 / V-0			
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	16...16 / 16...120			
Flexible / Flexible with ferrule	mm²	16...95 / 16...95			
Tightening torque (clamping screw for copper conductors)		6...12 Nm / (M 8)			
Tightening torque (mounting screw)		3...6 Nm			
Stripping length / Blade size	mm/-	30 / S6 (DIN 6911)			
Note		For 50 - 120 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.			

		IEC 60947-7-2		Ex e II	II 2 G D
		IEC	**UL**	**CSA**	**EN 60079-7**
		120	AWG 2...250	AWG 2...250	150 mm²
		1000			
		8			
		14400 A (120 mm²)			
		3			
		B13 / V-0			
		Rated connection			
		/ 35...150			
		35...150 / 35...150			
		10...20 Nm / (M 10)			
		3...6 Nm			
		35 / S6 (DIN 6911)			
		For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.			

Ordering data

Version		Type	Qty.	Order No.
	green/yellow	WPE 70/95	10	1037300000
Note				

Type	Qty.	Order No.
WPE 120/150	10	1019700000

Accessories

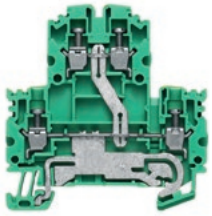
PEN bridge		Type	current	Qty.	Order No.
		WQV 70/95-PEN	192 A	5	1072300000
End bracket					
	dark beige	WEW 35/1		50	1059000000
Identification systems					
		DEK 5/5 MC NE WS		1000	1609801044
		WS 12/6.5 MC NE WS		540	1609920000
Screwdriver					
	Standard	SKS 2,0-8,0 MR		1	9008870000

Type	current	Qty.	Order No.
WQV 120-PEN	269 A	5	1072400000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

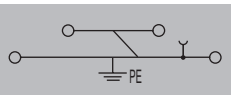
For detailed information on other accessories and application in the online catalogue	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

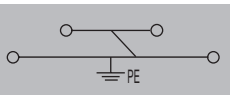
Screw connection with clamping yoke technology (W-Series)
PE terminal blocks

	WDK 2.5 PE	2.5 mm²	WDK 2.5N PE	2.5 mm²
			Compact design	



Width/Height/Depth	mm	5.1 x 69.5 x 62.5	5.1 x 60.7 x 54.95
max. current / max. cond. cross-section	-/mm²	/ 4	/ 4
Max. clamping range	mm²	0.05...4	0.05...4





Technical data

Rated data		IEC 60947-7-2		Ex e II	II 2 G D	IEC 60947-7-2		Ex e II	II 2 G D
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
for wire cross-section	mm²	2.5	AWG 22...12	AWG 26...12	2.5 mm²	2.5		AWG 26...12	2.5 mm²
Rated voltage to adjoining terminal	V	400				800			
Rated impulse withstand voltage to adjacent terminal	kV	6				8			
Rated short-time current		300 A (2.5 mm²)				300 A (2.5 mm²)			
Pollution severity		3				3			
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0				A3 / V-0			
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)		0.4...0.6 Nm / (M 2.5)				0.4...0.6 Nm / (M 2.5)			
Stripping length / Blade size	mm/-	10 /				8 / 0.6 x 3.5 mm			
Note		2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).				2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
green/yellow	WDK 2.5PE	100	**1036300000**	WDK 2.5N PE	100	**1041620000**
Note						

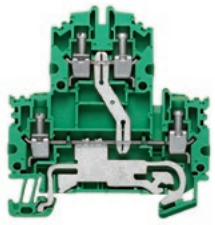
Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 2.5/2	32 A	50	**1053660000**				
10-pole	WQV 2.5/10	32 A	20	**1054460000**				
End plate / Partition plate								
dark beige	WAP WDK2.5		20	**1059100000**	WAP WDK2.5/4 N		20	**1084000000**
Blue					WAP WDK2.5/4 N BL		20	**1084080000**
dark beige					WTW EN		20	**1058800000**
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**9008330000**	SDS 0.6X3.5X100		1	**9008330000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
Cover								
Blank, white								
Blank, yellow								

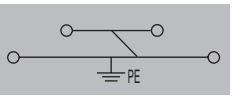
For detailed information on other accessories and application in the online catalogue	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).	Rail support for protective-insulated installation of mounting rail "SH 2", order no. 0494920000 (QTY 10). Cross-connections, see section "W series accessories".

WDK 4N PE — 4 mm²

Compact design



6.1 x 60.7 x 63.25
/ 6
0.13...6



IEC 60947-7-2 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm²
800			
8			
480 A (4 mm²)			
3			
A3 / V-0			

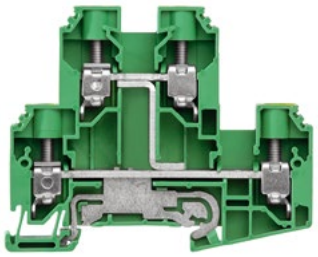
Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1 Nm / (M 3)
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 4N PE	100	**1041920000**

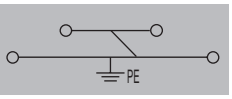
Type	current	Qty.	Order No.
WAP WDK2.5/4 N		20	**1084000000**
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/6 PLUS MC NE WS		600	**1951880000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WDK 10 PE — 10 mm²



9.9 x 85 x 69
70 / 16
1.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 18...6	AWG 18...6	
800			
8			
1200 A (10 mm²)			
3			
B6 / V-0			

Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
1.2...1.9 Nm / (M 4)
12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
WDK 10 PE	50	**1415470000**

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	**1052560000**
WQV 10/10	57 A	20	**1052460000**
WAP WDK10		20	**1186720000**
WAP WDK10 BL		20	**1186730000**
WEW 35/2		100	**1061200000**
SDS 1.0X5.5X150		1	**9008350000**
DEK 5/5 MC NE WS		1000	**1609801044**
WAD 8 MC NE WS		48	**1112940000**
WAD 8 MC NE GE		48	**1112950000**

Cross-connections, see section "W series accessories".

WSI 4 — 4 mm²

Width/Height/Depth	8 x 50.7 x 42.5 mm
max. current / max. cond. cross-section	**6.3 / 4** A/mm²
Max. clamping range	**0.5...4** mm²

WSI 4

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...12	AWG 30...12	
	6 kV / 3		
	V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4 Nm / (M 3)
0.6 x 3.5 mm

Note

Type	Order No.
WSI 4	**1886580000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	63 °C	4.0 W / 6.3 A	34 °C	1.6 W / 6.3 A
In combination	47 °C	2.5 W / 6.3 A	23 °C	1.6 W / 6.3 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 4	50	**1886580000**
10-36 V AC/DC, with LED	WSI 4/LD 10-36V AC/DC	50	**1886590000**
30-70 V AC/DC, with LED	WSI 4/LD 30-70V AC/DC	50	**1886560000**
60-150 V AC/DC, with LED	WSI 4/LD 60-150V AC/DC	50	**1886570000**
140-250 V AC/DC, with LED	WSI 4/LD 140-250V AC/DC	50	**1886550000**

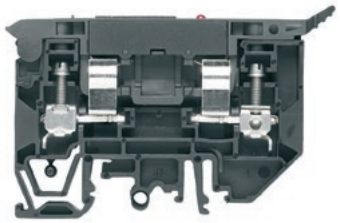
Note

Accessories

End bracket	Type	current	Qty.	Order No.
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**9008330000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

WSI 4/2 — 4 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

9.1 x 81.6 x 53.5	
6.3 / 4	
0.5...4	

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	V-0		

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
0.5...0.8 Nm / (M 3)
0.6 x 3.5 mm

Width/height/depth = 9.1 x 58.5 x 81.6 mm

WSI 4/2

Overload and short-circuit protection

Type	Order No.
WSI 4/2	**1880430000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	55 °C	4.0 W / 10 A	35 °C	2.5 W / 2.5 A
In combination	68 °C	2.5 W / 2.5 A	41 °C	1.6 W / 1.0 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 4/2	25	**1880430000**
10-36 V AC/DC, with LED	WSI 4/2/LD 10-36V AC/DC	25	**1880410000**
30-70 V AC/DC, with LED	WSI 4/2/LD 30-70V AC/DC	25	**1880440000**
60-150 V AC/DC, with LED	WSI 4/2/LD 60-150V AC/DC	25	**1880420000**
140-250 V AC/DC, with LED	WSI 4/2/LD 140-250V AC/DC	25	**1880390000**

Note

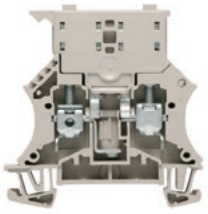
Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	WAP WSI4/2		50	**1880450000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**9008330000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A/F		10	**1460600000**
2.00 A fast / 5 A	GZ 5.0A/F		10	**1460620000**
4.00 A fast / 10 A	GZ 10.0A		10	**0293900000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

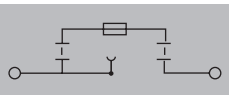
WSI 6 — 6 mm²

Metric fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 60 x 61	
6.3 / 10	
0.5...10	



WSI 6

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
6.3	9.5	10	
6	AWG 22...8	AWG 20...8	
	6 kV / 3		
	V-0		

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.8 x 4.0 mm

Type	Order No.
WSI 6	**1011000000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 6	50	**1011000000**
10-36 V AC/DC, with LED			
30-70 V AC/DC, with LED			
60-150 V AC/DC, with LED			
140-250 V AC/DC, with LED			

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

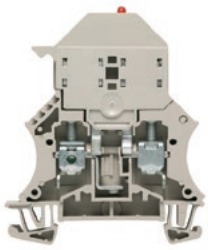
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK6N	32 A	50	**0194300000**
10-pole	QL 10 SAK6N	32 A	20	**0338300000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Screwdriver				
	SDS 0.8X4.0X100		1	**9008340000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	DEK 5/8 MM WS		500	**2007130000**
	WS 8/8 MM WS		500	**2007170000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

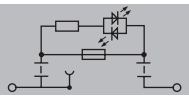
WSI 6 LD — 6 mm²

Metric fuses / bipolar LED



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

7.9 x 60 x 71.5	
6.3 / 10	
0.5...10	



Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
	6 kV / 3		
	V-0		

CE cULus EAC GL ABS DNV

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.8 x 4.0 mm

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10-36 V AC/DC, with LED	WSI 6/LD 10-36V DC/AC	50	**1011300000**
30-70 V AC/DC, with LED	WSI 6/LD 30-70V DC/AC	50	**1012200000**
60-150 V AC/DC, with LED	WSI 6/LD 60-150V DC/AC	50	**1012300000**
140-250 V AC/DC, with LED	WSI 6/LD 250AC	50	**1012400000**

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK6N	32 A	50	**0194300000**
10-pole	QL 10 SAK6N	32 A	20	**0338300000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Screwdriver				
	SDS 0.8X4.0X100		1	**9008340000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	DEK 5/8 MM WS		500	**2007130000**
	WS 8/8 MM WS		500	**2007170000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6 LD

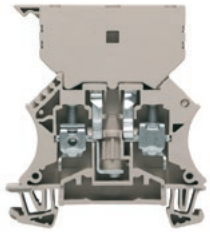
Overload and short-circuit protection

Type	Order No.
WSI 6/LD 10-36V DC/AC	**1011300000**

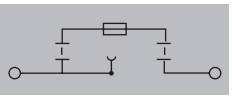
Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

WSI 6/2 — 6 mm²

Imperial fuses



Width/Height/Depth	11.9 x 60 x 66.5 mm
max. current / max. cond. cross-section	**6.3 / 10** A/mm²
Max. clamping range	**0.5...10** mm²



WSI 6/2

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	150 (C)	
6.3	16	16	
6	AWG 22...8	AWG 20...6	
	6 kV / 3		
	V-0		

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.8 x 4.0 mm

Fuse inserts or contact sleeves should be attached in the middle.

Type	Order No.
WSI 6/2 GZ/DEF63	**1014000000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	WSI 6/2 GZ/DEF63	25	**1014000000**
10-36 V AC/DC, with LED			
30-70 V AC/DC, with LED			
60-150 V AC/DC, with LED			
140-250 V AC/DC, with LED			

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

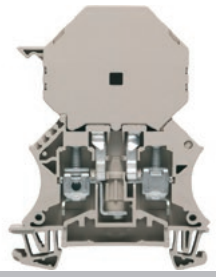
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK16	76 A	50	**0470700000**
10-pole	QL 10 SAK16	76 A	20	**0471000000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A		10	**0294500000**
2.00 A fast / 5 A	GZ 5.0A		10	**0294600000**
4.00 A fast / 10 A	GZ 10.0A		10	**0293900000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

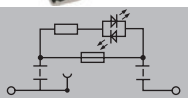
WSI 6/2 m. LED — 6 mm²

Imperial fuses / bipolar LED



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

11.9 x 60 x 78.5	
6.3 / 10	
0.5...10	



WSI 6/2 m. LED

Overload and short-circuit protection

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Blade size	

Note

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...6	
	6 kV / 3		
	V-0		

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.8 x 4.0 mm

Fuse inserts or contact sleeves should be attached in the middle.

Type	Order No.
WSI 6/2/LD 10-36V DC/AC	**1014100000**

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10-36 V AC/DC, with LED	WSI 6/2/LD 10-36V DC/AC	25	**1014100000**
30–70 V AC/DC, with LED	WSI 6/2/LD 30-70V DC/AC	25	**1014200000**
60-150 V AC/DC, with LED	WSI 6/2/LD 60-150VDC/AC	25	**1014300000**
140-250 V AC/DC, with LED	WSI 6/2/LD 250AC	25	**1014400000**

Note

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK16	76 A	50	**0470700000**
10-pole	QL 10 SAK16	76 A	20	**0471000000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A		10	**0294500000**
2.00 A fast / 5 A	GZ 5.0A		10	**0294600000**
4.00 A fast / 10 A	GZ 10.0A		10	**0293900000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

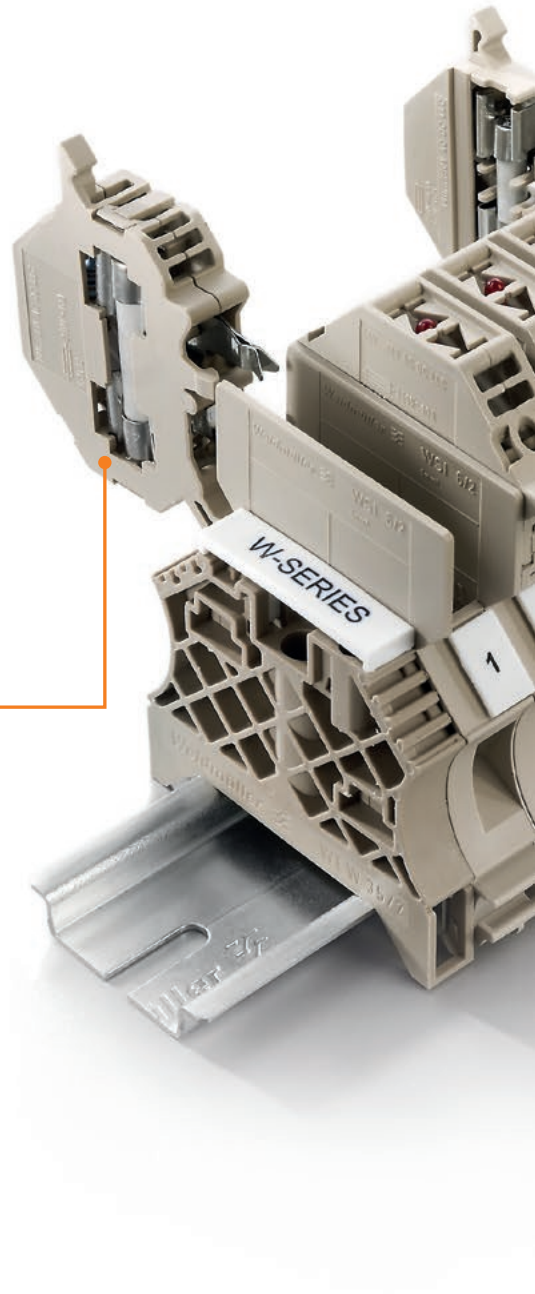
For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

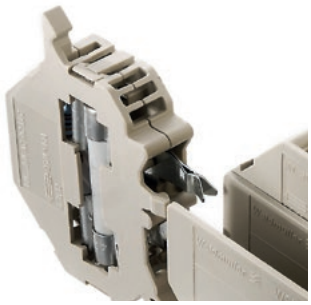
WSI 6 LD LLC fused terminal blocks with minimised leakage current

Clearly visible status LED with extremely low leakage current for error indication with an optimal energy balance

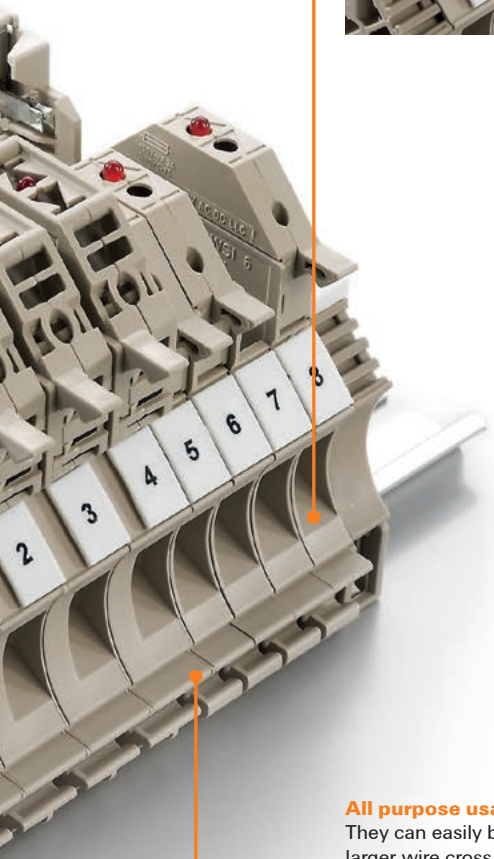
Weidmüller has extended its line of screw connect fuse terminals to include the WSI 6 LD LLC and WSI 6/2 LD LLC variants. The terminals have bright status displays which are wired in parallel with the fuse so that, in the event of an outage, the fuse supplies a low leakage current to the LEDs. Since this is undesired current, it is maintained at the lowest level possible. Weidmüller's BFI (Blown Fuse Indicator) circuitry is designed for a reduced leakage current of less than 500 µA. Despite the reduced leakage current, the status displays are still very bright and thus always easy to see.
The leakage current of the bipolar LED circuitry complies with the CSA standard C22.2 No. 39 for fuse holder units and the UL standard 512 for fuse holders.



Fuse is convenient to replace
The fuse holder is easy to access and can pivot, so you can quickly and safely replace a blown fuse.

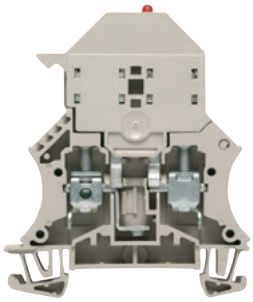


Good cable visibility
Because of the broad width, visibility remains clear and accessible even with many wires connected.

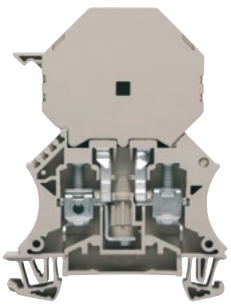


All purpose usage
They can easily be used in applications with larger wire cross sections of up to 10 mm², thanks to their size and the use of larger connection elements.

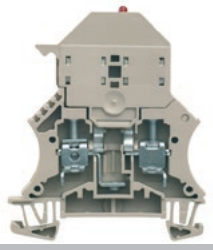
WSI 6 LD LLC
The WSI-6-LD-LLC variants, with their thin 7.9 mm width, are perfect for use with the 5 x 20 mm fuses.



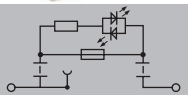
WSI 6/2 LD LLC
The WSI-6/2-LD-LLC variants, with their width of 11.9 mm, are the best solution for use with 1¼" x ¼" fuses.



WSI 6/LD LLC	6 mm²



Width/Height/Depth	mm	7.9 x 60 x 71.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 10**
Max. clamping range	mm²	**0.5...10**



Technical data

Rated data		IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	500			
Rated current	A	6.3			
for wire cross-section	mm²	6	AWG 22...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity				/ 3	
UL 94 flammability rating				V-0	
Approvals					
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)		0.8...1.6 Nm / (M 3.5)			
Blade size		0.8 x 4.0 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
10-36 V AC/DC, with LED	WSI 6/LD 10-36V LLC	50	**1119840000**
30–70 V AC/DC, with LED	WSI 6/LD 30-70V LLC	50	**1119830000**
60-150 V AC/DC, with LED	WSI 6/LD 60-150V LLC	50	**1119850000**
140-250 V AC/DC, with LED	WSI 6/LD 250AC LLC	50	**1119870000**
Note			

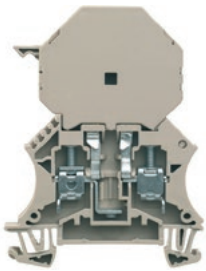
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK6N	32 A	50	**0194300000**
10-pole	QL 10 SAK6N	32 A	20	**0338300000**
Mounting screw	KISC M3X20 SAK10 CU5		100	**0377100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	**0430500000**
0.50 A fast	G 20/0.50A/F		10	**0430600000**
1.00 A fast	G 20/1.00A/F		10	**0430700000**
2.00 A fast	G 20/2.00A/F		10	**0430900000**
Screwdriver				
	SDS 0.8X4.0X100		1	**9008340000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
	DEK 5/8 MM WS		500	**2007130000**
	WS 8/8 MM WS		500	**2007170000**

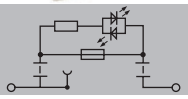
For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6/2/LD LLC — 6 mm²



Width/Height/Depth	mm	11.9 x 60 x 78.5
max. current / max. cond. cross-section	A/mm²	**6.3 / 10**
Max. clamping range	mm²	**0.5...10**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	500			
Rated current A	6.3			
for wire cross-section mm²	6	AWG 22...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			/ 3	
UL 94 flammability rating			V-0	
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	0.8...1.6 Nm / (M 3.5)			
Blade size	0.8 x 4.0 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
10-36 V AC/DC, with LED	WSI 6/2/LD 10-36V LLC	25	**1119800000**
30–70 V AC/DC, with LED	WSI 6/2/LD 30-70V LLC	25	**1119810000**
60-150 V AC/DC, with LED	WSI 6/2/LD 60-150V LLC	25	**1119820000**
140-250 V AC/DC, with LED	WSI 6/2/LD 250AC LLC	25	**1119790000**

Note

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	QL 2 SAK16	76 A	50	**0470700000**
10-pole	QL 10 SAK16	76 A	20	**0471000000**
Lock washer	SS M3 D 128-A 3		50	**0164400000**
Mounting screw	KISC M3X5		100	**1052100000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
G25 with indicator / imperial (inch) fuse				
0.50 A medium slow / 2 A	GZ 2.0A		10	**0294500000**
2.00 A fast / 5 A	GZ 5.0A		10	**0294600000**
4.00 A fast / 10 A	GZ 10.0A		10	**0293900000**
Screwdriver				
	SDS 0.8X4.0X100		1	**9008340000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

	WSI 25 10x38	25 mm²	WSI 25 CC	25 mm²
Width/Height/Depth mm	18 x 81 x 58		18 x 81 x 58	
max. current / max. cond. cross-section A/mm²	**32 / 25**		**32 / 25**	
Max. clamping range mm²	**1.5...25**		**1.5...25**	

Technical data

Rated data		IEC 60947-7-3				IEC 60947-7-3			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	690		600 (C)		690			
Rated current	A	32		30		32			
for wire cross-section	mm²	25		AWG 18...3		25		AWG 18...3	
Rated impulse withstand voltage / Pollution severity				6 kV / 3				6 kV / 3	
UL 94 flammability rating				V-0				V-0	
Approvals		CE CSA EAC				CE CSA EAC			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	1.5...25 / 1.5...25				1.5...25 / 1.5...25			
Flexible / Flexible with ferrule	mm²	1.5...25 / 1.5...25				1.5...25 / 1.5...25			
Tightening torque (clamping screw for copper conductors)		2...2.5 Nm /				2...2.5 Nm /			
Blade size									
Note		Suitable for fuse inserts acc. to IEC 60269-6 with power losses up to 3 W maximum.440 V DC				Suitable for fuse cartridges in accordance with IEC 60269-6 with power losses up to max. 3 W.Suitable for fuse cartridges in accordance with UL 248-4.			

Ordering data

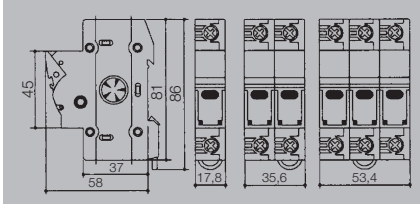
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
1-pin, without LED	WSI 25/1 10x38	12	**1966020000**	WSI 25/1 CC	12	**1966050000**
2-pin, without LED	WSI 25/2 10x38	6	**1966090000**	WSI 25/2 CC	6	**1966040000**
3-pin, without LED	WSI 25/3 10x38	4	**1966080000**	WSI 25/3 CC	4	**1966030000**
1-pin, with LED	WSI 25/1 10x38/LED	12	**1966060000**	WSI 25/1 CC/LED	12	**1966070000**
Note	1000 VDC rated voltage tested.					

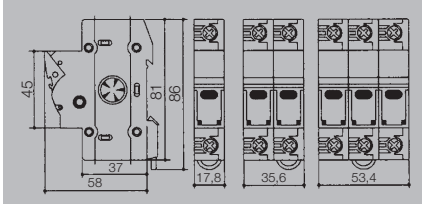
Accessories

Identification systems	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Marking tags	ESG 6/15 K MC NE WS		200	**1880100000**	ESG 6/15 K MC NE WS		200	**1880100000**

For detailed information on other accessories and application in the online catalogue

Technical drawing





		WSI 25/1 10x38 1KV	25 mm²	WSI 25 10x85 1.5 KV	25 mm²
Width/Height/Depth	mm	18 x 81 x 58		22.5 x 130 x 65	
max. current / max. cond. cross-section	A/mm²	**30 / 25**		**32 / 25**	
Max. clamping range	mm²	**1.5...25**		**0.75...25**	

Technical data

Rated data		IEC 60269-1				IEC 60269-6			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	1000		600 (C)		1500			
Rated current	A	30		30		32			
for wire cross-section	mm²	25		AWG 18...8		25			
Rated impulse withstand voltage / Pollution severity				6 kV / 3				6 kV / 3	
UL 94 flammability rating				V-0				V-0	
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	1.5...25 / 1.5...25				/ 1.5...25			
Flexible / Flexible with ferrule	mm²	1.5...25 / 1.5...25				0.75...16 / 0.75...16			
Tightening torque (clamping screw for copper conductors)		2...2.5 Nm /				2...2.5 Nm / (M 5)			
Blade size						Gr. PZ2			
Note		Suitable for fuse cartridges to IEC 60269-6 with power loss up to 3 W maximum.							

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
1-pin, without LED	WSI 25/1 10x38 1KV	12	**1137790000**	WSI 25 10X85 1.5KV	5	**2469360000**
1-pin, with LED	WSI 25/1 10X38/LED 1KV	12	**1137780000**			
Note						

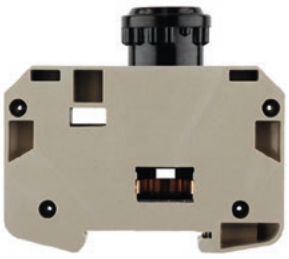
Accessories

Safety fuses	Type	current	Qty.	Order No.
2 A	FUSE 1KV DC 2A 10/38		10	**1224870000**
4 A	FUSE 1KV DC 4A 10/38		10	**1224880000**
6 A	FUSE 1KV DC 6A 10/38		10	**1224890000**
10 A	FUSE 1KV DC 10A 10/38		10	**1224910000**
12 A	FUSE 1KV DC 12A 10/38		10	**1224920000**
16 A	FUSE 1KV DC 16A 10/38		10	**1224930000**
20 A	FUSE 1KV DC 20A 10/38		10	**1224950000**

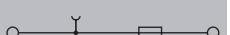
For detailed information on other accessories and application in the online catalogue

SAKS 2/35 DB — 10 mm²

D fuses E 16



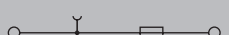
Width/Height/Depth	27.6 x 80 x 73.5
max. current / max. cond. cross-section	**10 / 16**
Max. clamping range	**0.22...16**



SAKS 4/35 DB — 10 mm²

D 01 fuses E 14

Width/Height/Depth	24 x 75 x 65
max. current / max. cond. cross-section	**16 / 16**
Max. clamping range	**0.22...16**



Technical data

Rated data		SAKS 2/35 DB	SAKS 4/35 DB
Rated voltage to adjoining terminal	V	IEC 60947-7-3	IEC 60947-7-3
Rated current	A	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
for wire cross-section	mm²	500 / 600 (C)	400 / 600 (C)
Rated impulse withstand voltage / Pollution severity		10 / 25	16 / 30
UL 94 flammability rating		10 / AWG 22...8	10 / AWG 26...8 / AWG 22...8
Approvals		6 kV / 3	6 kV / 3
		V-0, 5VA	V-0, 5VA
		CE CSA EAC GL EAC	CE CSA EAC GL EAC cULus
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...16 / 0.5...10	0.5...16 / 0.5...10
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Tightening torque (clamping screw for copper conductors)		1.2...2.4 Nm / (M 4)	1.2...2.4 Nm / (M 4)
Blade size		1.0 x 5.5 mm	1.0 x 5.5 mm
Note		Connections for stranded conductors from 10 mm² and AWG conductors require a tightening torque of 2 Nm.	400 V also with Neozed marine engineering fuse. On connection of over 10 mm² stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

Ordering data

Version	SAKS 2/35 DB			SAKS 4/35 DB		
500 V AC/DC, without LED	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
Note	SAKS 2/35 DB	20	**1368700000**	SAKS 4/35 DB	20	**0501800000**
	Material Duroplast KRG			Material Duroplast KRG		

Accessories

	SAKS 2/35 DB			SAKS 4/35 DB		
Screwable cross-connection	**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
2-pole	QL 2 SAKS2	36 A	20	**0207800000**	QL 2 SAKS4	36 A	20	**0328000000**
10-pole	QL 10 SAKS2	36 A	20	**0338900000**	QL 10 SAKS4	36 A	20	**0339000000**
Lock washer	SS M4 D 128-A 4		100	**0136400000**	SS M4 D 128-A 4		100	**0136400000**
Mounting screw	BFSC M4X9T		100	**0103300000**	BFSC M4X9T		100	**0103300000**
End plate / Partition plate								
dark beige	WTW EN		20	**1058800000**	WTW EN		20	**1058800000**
Screw cover cap								
SK	SK E16/SAKS2		25	**0284110000**	SK E14 SAKS4		20	**0339410000**
Fuse cartridges								
	E 16/10A RT TNDZ		25	**0208500000**	E 14/2A RS		10	**0137400000**
	E 16/16A GR TNDZ		25	**0208600000**	E 14/4A BR		10	**0137500000**
	E 16/20A BL TNDZ		25	**0208700000**	E 14/6A GN		10	**0328300000**
	E 16/25A GE TNDZ		25	**0208800000**	E 14/10A RT		10	**0328400000**
Gauge rings								
					P 14/2 D01 RS SAKS4		50	**0138000000**
					P 14/4 D01 BR SAKS4		50	**0138100000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue

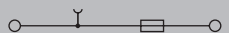
Replacement screw cover cap, order no. 0284110000 (QTY 20) Cross-connections, see section "W series accessories".

Replacement screw cover cap, order no. 0339410000 (QTY 20) Cross-connections, see section "W series accessories".

SAKS 5/35 DB — 16 mm²

D 02 fuse E 18

Width/Height/Depth	mm	28 x 80 x 65
max. current / max. cond. cross-section	A/mm²	**63 / 16**
Max. clamping range	mm²	**1.5...16**



Technical data

IEC 60947-7-3

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	400	600 (C)	600 (C)	
Rated current A	63	40	63	
for wire cross-section mm²	16	AWG 14...6	AWG 14...6	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
UL 94 flammability rating			V-0, 5VA	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	1.5...16 / 1.5...16
Flexible / Flexible with ferrule mm²	1.5...16 / 1.5...16
Tightening torque (clamping screw for copper conductors)	1.2...2.4 Nm / (M 4)
Blade size	1.0 x 5.5 mm

Note	
	400 V also with Neozed marine engineering fuse. On connection of over 10 mm² stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

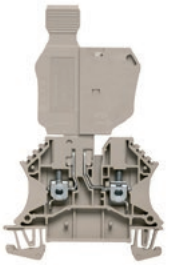
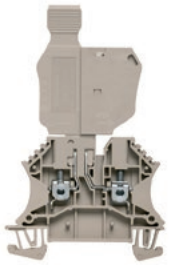
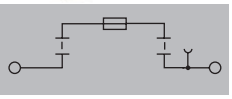
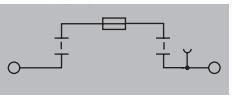
Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED	SAKS 5/35 DB	20	**0502100000**
Note	Material Duroplast KRG		

Accessories

	Type	current	Qty.	Order No.
Screwable cross-connection				
2-pole	QL 2 SAKS2	36 A	20	**0207800000**
10-pole	QL 10 SAKS2	36 A	20	**0338900000**
Lock washer	SS M4 D 128-A 4		100	**0136400000**
Mounting screw	BFSC M4X9T		100	**0103300000**
End plate / Partition plate				
dark beige	WTW EN		20	**1058800000**
Screw cover cap				
SK	SK E18 SAKS5		20	**0359310000**
Fuse cartridges				
	E 18/20A BL		10	**0361300000**
	E 18/25A GE		10	**0361400000**
	E 18/35A SW		10	**0361500000**
Gauge rings				
	P 18/20 D02 BL SAKS5		50	**0361800000**
	P 18/25 D02 GE SAKS5		50	**0361900000**
	P 18/35 D02 SW SAKS5		50	**0362000000**
	P 18/50 D02 WS SAKS5		50	**0362100000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue	Replacement screw cover cap, order no. 0359310000 (QTY 20) Cross-connections, see section "W series accessories".

	WTR 2.5/SI	2.5 mm²	WTR 4/SI	4 mm²
				
Width/Height/Depth mm	5.1 x 60 x 97		6.1 x 60 x 97	
max. current / max. cond. cross-section A/mm²	6.3 / 4		6.3 / 6	
Max. clamping range mm²	0.05...4		0.22...6	

Technical data

Rated data	WTR 2.5/SI	WTR 4/SI
Rated voltage to adjoining terminal V	IEC 60947-7-3	IEC 60947-7-3
Rated current A	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
for wire cross-section mm²	400 / 300 (D) /	400 / 300 (D) / 300 (C) /
Rated impulse withstand voltage / Pollution severity	6.3 / 10 /	6.3 / 6.3 / 6.3 /
UL 94 flammability rating	2.5 / AWG 22...12 / AWG 26...12 /	4 / AWG 22...10 / AWG 22...10 /
Approvals	6 kV / 3	6 kV / 3
	V-0	V-0
	CE cULus EAC	cULus EAC KCC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...6 / 1.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)	0.4...0.8 Nm / (M 2.5)	0.5...0.6 Nm / (M 3)
Blade size	0.6 x 3.5 mm	0.6 x 3.5 mm
Note	2.5 mm² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	The rated current of the terminal is determined by the max. power loss of 1.6 W at the cartridge fuse.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
400 V AC/DC, without LED	WTR 2.5/SI	25	1763940000	WTR 4 SI	25	7910240000
10-36 V AC/DC, with LED	WTR 2.5/SI LD 36V	25	1763950000	WTR 4/SI LD 36V	25	7914370000
30-70 V AC/DC, with LED				WTR 4/SI LD 70V	25	7914380000
60-150 V AC/DC, with LED				WTR 4/SI LD 150V	25	7914390000
140-250 V AC/DC, with LED				WTR 4/SI LD 250V	25	7914400000
Note	UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.			UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.		

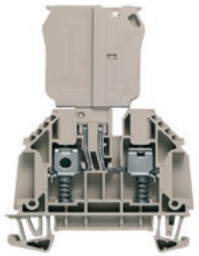
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000				
10-pole	ZQV 2.5N/10	24 A	20	1527690000				
2-pole, yellow					ZQV 4N/2 GE	32 A	60	1758250000
10-pole					ZQV 4N/10 GE	32 A	20	1758260000
End plate / Partition plate								
dark beige	WAP 2.5-10		50	1050000000	WAP 2.5-10		50	1050000000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000	WAP 16+35 WTW 2.5-10		20	1050100000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)								
0.25 A fast	G 20/0.25A/F		10	0430500000	G 20/0.25A/F		10	0430500000
0.50 A fast	G 20/0.50A/F		10	0430600000	G 20/0.50A/F		10	0430600000
1.00 A fast	G 20/1.00A/F		10	0430700000	G 20/1.00A/F		10	0430700000
2.00 A fast	G 20/2.00A/F		10	0430900000	G 20/2.00A/F		10	0430900000
Screwdriver								
Standard	SDS 0.6X3.5X100		1	9008330000	SDS 0.6X3.5X100		1	9008330000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/6 MC NE WS		1000	1609820000
	WS 12/5 MC NE WS		720	1609860000	WS 12/6 MC NE WS		600	1609900000
	DEK 5/5 MM WS		800	2007110000	DEK 5/6 MM WS		600	2007120000
	WS 8/5 MM WS		800	2007150000	WS 8/6 MM WS		600	2007160000

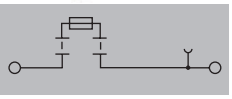
For detailed information on other accessories and application in the online catalogue	Cross-connection options for WTR 2.5, see section on W-series Accessories.	Cross-connections, see section "W series accessories".

WTR 4 SI SL — 4 mm²

With fuse holder



Width/Height/Depth	mm	6.1 x 61.5 x 97
max. current / max. cond. cross-section	A/mm²	**6.3 / 6**
Max. clamping range	mm²	**0.22...6**



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal V	400	300 (D)	300 (D)	
Rated current A	6.3	6.3	6.3	
for wire cross-section mm²	4	AWG 22...10	AWG 22...10	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
UL 94 flammability rating		V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...6 / 1.5...6			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4			
Tightening torque (clamping screw for copper conductors)	0.5...1 Nm / (M 3)			
Blade size	0.6 x 3.5 mm			

Note

Ordering data

Version	Type	Qty.	Order No.
400 V AC/DC, without LED	WTR 4 SI SL	25	**7910330000**

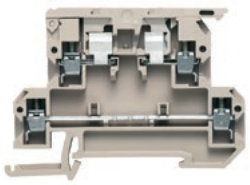
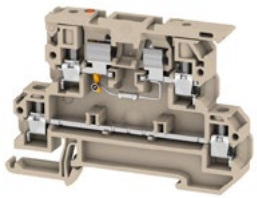
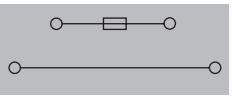
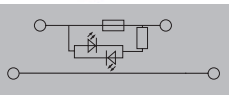
Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	**1527930000**
10-pole	ZQV 4N/10	32 A	20	**1528090000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Black	WAP 2.5-10 SW		50	**1050010000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Hak. Cable lugs				
	HBT 1,5 - 3,0 RT		100	**1312440000**
	HBT 2,5 - 3,0 BL		100	**1312450000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/6 MC NE WS		600	**1609900000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

	KDKS 1/35 DB	4 mm²	KDKS 1EN/LLC	4 mm²
	Metric fuses 5 x 20 mm			
				
Width/Height/Depth mm	8 x 73.5 x 55.6		8 x 76.5 x 54.6	
max. current / max. cond. cross-section A/mm²	6.3 / 4			
Max. clamping range mm²	0.22...4			

Technical data

Rated data	KDKS 1/35 DB	KDKS 1EN/LLC
Rated voltage to adjoining terminal V	IEC 60947-7-3	

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (D)	
6.3	10	10	
4	AWG 26...12	AWG 26...12	
	6 kV / 3		
	V-0		

IEC	UL	CSA	EN 60079-7
500	300 (C)	150 (C)	
6.3	20	25	
4	AWG 26...12	AWG 26...12	
	/ 3		
	V-0		

	KDKS 1/35 DB	KDKS 1EN/LLC
Rated current A	CE cULus EAC	cULus
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)	0.5...0.8 Nm / (M 3)	0.5...0.8 Nm / (M 3)
Blade size	0.6 x 3.5 mm	0.6 x 3.5 mm
Note	Note: max. conductor size = 2.5 mm² when using the cross-connector.	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
500 V AC/DC, without LED	KDKS 1/35 DB	50	9532440000			
10-36 V AC/DC, with LED				KDKS 1EN/LLC 10-36V AC/DC	50	9802720001
30-70 V AC/DC, with LED				KDKS 1EN/LLC 30-70V AC/DC	50	9908510001
60-150 V AC/DC, with LED						
100-250 V AC/DC, with LED				KDKS 1EN/LLC 100-250V AC/DC	50	9915820001
Note	Max. power loss (1.6 W) at the cartridge fuse limits the rated current.					

Accessories

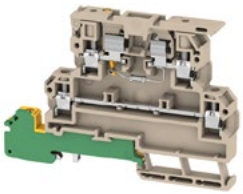
End plate / Partition plate	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
dark beige	AP KDKS1 DB		20	9532470000	AP KDKS1 DB		20	9532470000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)								
0.25 A fast	G 20/0.25A/F		10	0430500000	G 20/0.25A/F		10	0430500000
0.50 A fast	G 20/0.50A/F		10	0430600000	G 20/0.50A/F		10	0430600000
1.00 A fast	G 20/1.00A/F		10	0430700000	G 20/1.00A/F		10	0430700000
2.00 A fast	G 20/2.00A/F		10	0430900000	G 20/2.00A/F		10	0430900000
Identification systems								
	DEK 5/8 MC NE WS		800	1856740000	DEK 5/8 MC NE WS		800	1856740000

For detailed information on other accessories and application in the online catalogue

KDKS 1PE/LLC — 4 mm²

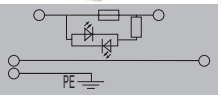
KDKS 1/35 DB

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm²
Max. clamping range	mm²

8 x 91 x 65	
/ 4	
0.33...4	



IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	V	500	300 (C)	150 (C)	
Rated current	A	6.3	20	25	
for wire cross-section	mm²	4	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
UL 94 flammability rating				V-0	
Approvals					

Clamped conductors (H05V/H07V)		Rated connection
Solid / Stranded	mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)		0.5...1 Nm / (M 3)
Blade size		0.6 x 3.5 mm

Type	Order No.
KDKS 1/35 DB	9532440000

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T_A max.	Nominal values	T_A max.	Nominal values
Individual	23 °C*	4.0 W / 10 A*	41 °C	1.6 W / 6.3 A
In combination	50 °C*	1.6 W / 6.3 A	23 °C	1.6 W / 6.3 A

*) Values not available → The values specified were not measured but instead read from the derating curves and transferred to the "only short-circuit protection" operating mode.

Note

Ordering data

Version	Type	Qty.	Order No.
500 V AC/DC, without LED			
10-36 V AC/DC, with LED	KDKS 1PE/LLC 10-36V AC/DC	50	1518300000
30-70 V AC/DC, with LED	KDKS 1PE/LLC 30-70V AC/DC	50	1518330000
60-150 V AC/DC, with LED	KDKS 1PE/LLC 60-150V AC/DC	50	1518340000
100-250 V AC/DC, with LED	KDKS 1PE/LLC 100-250V AC/DC	50	1518370000

Note

Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	AP KDKS1 DB		20	9532470000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	0430500000
0.50 A fast	G 20/0.50A/F		10	0430600000
1.00 A fast	G 20/1.00A/F		10	0430700000
2.00 A fast	G 20/2.00A/F		10	0430900000
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000

For detailed information on other accessories and application in the online catalogue

Fuse cartridges

Technical data

for terminal type:
PSI 6/10
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB

Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 BI)[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.1	quick-acting	G 20/0.10A/F	10	0430300000
		0.2	quick-acting	G 20/0.20A/F	10	0430400000
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
		0.63	quick-acting	G 20/0.63A/F	10	0439000000
		1	quick-acting	G 20/1.00A/F	10	0430700000
		1.6	quick-acting	G 20/1.60A/F	10	0430800000
		2	quick-acting	G 20/2.00A/F	10	0430900000
		2.5	quick-acting	G 20/2.50A/F	10	0431000000
		3.15	quick-acting	G 20/3.15A/F	10	0431100000
		4	quick-acting	G 20/4.00A/F	10	0431200000
		5	quick-acting	G 20/5.00A/F	10	0431300000
		6.3	quick-acting	G 20/6.30A/F	10	0431400000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
WSI 6

Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576[1)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000
		0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
		2	quick-acting	G 25/2.00A/F BL	10	0192700000
		4	quick-acting	G 25/4.00A/F BR	10	0192800000
		6.3	quick-acting	G 25/6.30A/F GN	10	0192900000
		10	medium time-lag	G 25/10.0A/M RT	10	0193100000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
WSI 4/2
WSI 6/2 GZ/DEF63

Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		0.5	quick-acting	GZ 0.5A/F	10	1460580000
		1	quick-acting	GZ 1.0A/F	10	1460590000
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
		5	quick-acting	GZ 5.0A/F	10	1460620000
		7	quick-acting	GZ 7.0A/F	10	1460630000
		10	quick-acting	GZ 10.0A/F	10	1460640000
		12.5	quick-acting	GZ 12.5A/F	10	1460650000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
SAKS 2/35 DB

Ordering data

D-type fuse cartridge E 16 with indicator in acc. with DIN 49360 (Diazed)

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		10		E 16/10A RT TNDZ	25	0208500000
		16		E 16/16A GR TNDZ	25	0208600000
Cartridge fuse		20		E 16/20A BL TNDZ	25	0208700000
Rated breaking capacity		25		E 16/25A GE TNDZ	25	0208800000

(M) = medium time-lag; (F) = quick-acting

Technical data

for terminal type:
SAKS 4/35 DB

Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)[3)]

Size (mm)		Rated current	Characteristics	Type	Qty.	Order No.
		10		E 14/10A RT	10	0328400000
		16		E 14/16A GR	10	0328500000
Cartridge fuse		2		E 14/2A RS	10	0137400000
Rated breaking capacity		4		E 14/4A BR	10	0137500000
		6		E 14/6A GN	10	0328300000

(M) = medium time-lag; (F) = quick-acting

Fuse cartridges

Technical data

for terminal type:
SAKS 5/35 DB

Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)[3)]

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	20		E 18/20A BL	10	0361300000
	25		E 18/25A GE	10	0361400000
Cartridge fuse	35		E 18/35A SW	10	0361500000
Rated breaking capacity	50		E 18/50A WS	10	0361600000
	63		E 18/63A KU	10	0361700000

(M) = medium time-lag; (F) = quick-acting

1) The company SIBA supplies G-type fuse cartridges 5 x 25 with indicator, also in marine engineering version for 450 V~.
2) Fuse cartridges 5 x 30 (500 V~) für SAKS 3 are avalaible from the company WICKMANN.
3) The company LINDNER supplies Neozed fuse cartridges, also in a further marine engineering version for 440 V~.
4) Fuse cartridges with the dimensions 1"x1/4" = 25.4x6.35 mm and 13/32"x11/2" = 10.3x38.1 mm are not in the programme.
5) Only for SAKS 1 and SAKS 7.

Safety fuse 10x38 mm

In photovoltaic applications, fusing of individual strings is needed. Specially designed fuses should be used as DC voltages and current are involved.AC fuses are not suitable. The range from 2-20 A and up to 1000 V DC can be covered with safety fuses, size 10 x 38 mm.

Ordering data

Type	Qty.	Order No.
FUSE 1KV DC 2A 10/38	10	1224870000
FUSE 1KV DC 4A 10/38	10	1224880000
FUSE 1KV DC 6A 10/38	10	1224890000
FUSE 1KV DC 10A 10/38	10	1224910000
FUSE 1KV DC 12A 10/38	10	1224920000
FUSE 1KV DC 16A 10/38	10	1224930000
FUSE 1KV DC 20A 10/38	10	1224950000
Note		

Gauge rings

Technical data

for terminal type:
SAKS 4/35 DB

Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 14/2 D01 RS SAKS4	E14 / 2	2 A	Pink	50	0138000000
P 14/4 D01 BR SAKS4	E14 / 4	4 A	Brown	50	0138100000
P 14/6 D01 GN SAKS4	E14 / 6	6 A	Green	50	0328600000
P 14/10 D01 RT SAKS4	E14 / 10	10 A	Red	50	0328700000

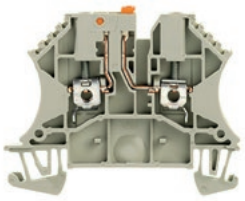
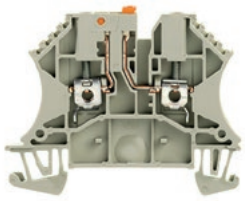
Technical data

for terminal type:
SAKS 5/35 DB

Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 18/20 D02 BL SAKS5	E18 / 20	20 A	Blue	50	0361800000
P 18/25 D02 GE SAKS5	E18 / 25	25 A	Yellow	50	0361900000
P 18/35 D02 SW SAKS5	E18 / 35	35 A	Black	50	0362000000
P 18/50 D02 WS SAKS5	E18 / 50	50 A	White	50	0362100000

Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

	WTR 2.5	WTR 2.5 STB
	2.5 mm²	2.5 mm²
	With clamping screw	With sockets
		
Width/Height/Depth mm	5.1 x 60 x 48	5.1 x 60 x 48
max. current / max. cond. cross-section A/mm²	24 / 4	24 / 4
Max. clamping range mm²	0.05...4	0.05...4

Technical data

Rated data	WTR 2.5	WTR 2.5 STB
Rated voltage of feed-through terminal V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC 500 / UL 600 / CSA 300 / EN 60079-7	IEC 500 / UL 300 / CSA 300 / EN 60079-7
for wire cross-section mm²	24 / 20 / 10	24 / 20 / 10
	2.5 / AWG 30...12 / AWG 26...12	2.5 / AWG 30...12 / AWG 26...12
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Number of operating cycles		
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.4...0.8 Nm / (M 2.5)	0.4...0.8 Nm / (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	2.5 mm² conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).	2.5 mm² conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

Ordering data

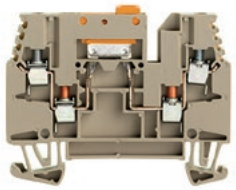
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WTR 2.5	100	1855610000	WTR 2.5 STB2.3	100	1855620000
blue	WTR 2.5 BL	100	8731640000	WTR 2.5 STB2.3 BL	100	8731660000
without isolator, dark beige	WTR 2.5/0.TNHE	100	8731700000	WTR 2.5/0.TNHE STB2.3	100	8731670000
Note						

Accessories

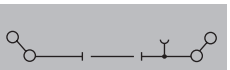
Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2	24 A	60	1527540000	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000	ZQV 2.5N/10	24 A	20	1527690000
2-pole								
10-pole								
2-pole, yellow								
End plate / Partition plate								
dark beige	WAP 2.5-10		50	1050000000	WAP 2.5-10		50	1050000000
dark beige								
End bracket								
dark beige	WEW 35/2		100	1061200000	WEW 35/2		100	1061200000
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)								
without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnect plug								
removable, as replacement for release lever	TNST		50	1833090000	TNST		50	1833090000
Screwdriver								
Standard	SDS 0.6X3.5X100		1	9008330000	SDS 0.6X3.5X100		1	9008330000
Testing / Checking								
Test plug					PS 2.3 RT		20	0180400000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000	WS 12/5 MC NE WS		720	1609860000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".				Special cross-connector, see section on W-series accessories.			

WTR 2.5/ZZ — 2.5 mm²

Twin connection



5.1 x 60 x 46.5
14 / 4
0.13...4



IEC	UL	CSA	EN 60079-7
400	300	300	
14	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...1 Nm / (M 3)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 2.5/ZZ	100	1039900000
WTR 2.5/ZZ BL	100	1039980000
WTR 2.5/ZZ 0.TNHE	100	1774670000

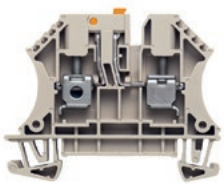
2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
WAP WTR2.5/ZZ		20	1074600000
WEW 35/2		100	1061200000
SIHA 1/G20		25	9537550000
SIHA 1/G20 10-36V		25	9537560000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
WS 8/5 MM WS		800	2007150000
DEK 5/5 MM WS		800	2007110000

Cross-connections, see section "W series accessories".

WTR 4 — 4 mm²

With clamping screw



6.1 x 60 x 48
32 / 6
0.22...6

IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 Nm / (M 3)
13 / 0.6 x 3.5 mm

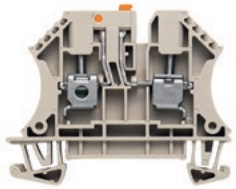
Type	Qty.	Order No.
WTR 4	50	7910180000
WTR 4 BL	50	7910190000
WTR 4/0.TNHE	50	2436380000

Type	current	Qty.	Order No.
ZQV 4N/10 GE	32 A	20	1758260000
ZQV 4N/2 GE	32 A	60	1758250000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
WS 12/5 MC NE WS		720	1609860000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Cross-connections, see section "W series accessories".

WTR 4 STB — 4 mm²

With socket



6.1 x 60 x 48
32 / 6
0.22...6

IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 Nm / (M 3)
13 / 0.6 x 3.5 mm

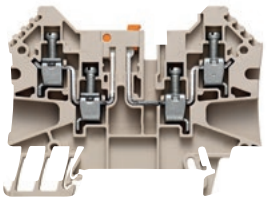
Type	Qty.	Order No.
WTR 4 STB	50	7910210000
WTR 4 STB BL	50	7910220000
WTR 4 STB/0.TNHE	50	2436390000

Type	current	Qty.	Order No.
ZQV 4N/10 GE	32 A	20	1758260000
ZQV 4N/2 GE	32 A	60	1758250000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
WS 12/5 MC NE WS		720	1609860000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Cross-connections, see section "W series accessories".

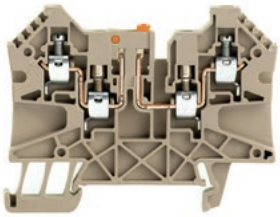
WTR 4/ZZ — 4 mm²

Twin connection with clamping screw

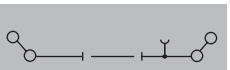


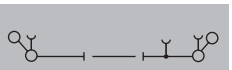
WTR 4/ZZ STB — 4 mm²

Twin connection with socket



		WTR 4/ZZ	WTR 4/ZZ STB
Width/Height/Depth	mm	6.1 x 70 x 53	6.1 x 70 x 53
max. current / max. cond. cross-section	A/mm²	27 / 6	27 / 6
Max. clamping range	mm²	0.05...6	0.05...6





Technical data

Rated data		WTR 4/ZZ				WTR 4/ZZ STB			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	500	600	600		500	600	600	
Rated current	A	27	25	25		27	25	25	
for wire cross-section	mm²	4	AWG 30...10	AWG 30...10		4	AWG 30...10	AWG 30...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0				A4 / V-0		
Number of operating cycles									
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...6 / 1.5...6				0.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4				0.5...4 / 0.5...4			
Tightening torque (clamping screw for copper conductors)		0.5...1 Nm / (M 3)				0.5...1 Nm / (M 3)			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note									

Ordering data

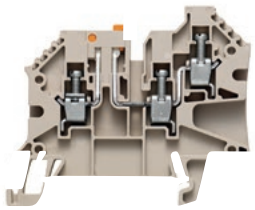
Version	WTR 4/ZZ Type	Qty.	Order No.	WTR 4/ZZ STB Type	Qty.	Order No.
dark beige	WTR 4/ZZ	50	1905090000	WTR 4/ZZ STB	50	1905100000
blue	WTR 4/ZZ BL	50	1193450000	WTR 4/ZZ STB BL	50	1231330000
without isolator, dark beige	WTR 4/ZZ/0.TNHE	50	2436420000	WTR 4/ZZ STB/0.TNHE	50	2436360000
Note						

Accessories

	WTR 4/ZZ Type	current	Qty.	Order No.	WTR 4/ZZ STB Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 4N/2	32 A	60	1527930000	ZQV 4N/2	32 A	60	1527930000
10-pole	ZQV 4N/10	32 A	20	1528090000	ZQV 4N/10	32 A	20	1528090000
End plate / Partition plate								
dark beige	WAP WDU/WTR4/ZZ		50	1905150000	WAP WDU/WTR4/ZZ		50	1905150000
dark beige								
End bracket								
dark beige	WEW 35/2		100	1061200000	WEW 35/2		100	1061200000
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)								
without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnect plug								
removable, as replacement for release lever	TNST		50	1833090000	TNST		50	1833090000
Screwdriver								
Standard	SDS 0.6X3.5X100		1	9008330000	SDS 0.6X3.5X100		1	9008330000
Testing / Checking								
Test plug					PS 2.3 RT		20	0180400000
Identification systems								
	WS 12/5 MC NE WS		720	1609860000	WS 12/5 MC NE WS		720	1609860000
	DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000
Hak. Cable lugs								
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".				Cross-connections, see section "W series accessories".			

WTR 4/ZR — 4 mm²

Supplementary connection, right, with clamping screw



6.1 x 63.5 x 53
27 / 6
0.05...6

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1 Nm / (M 3)
10 / 0.6 x 3.5 mm

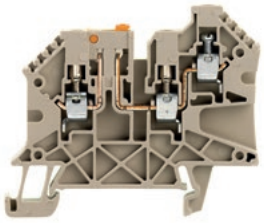
Type	Qty.	Order No.
WTR 4/ZR	50	1905080000
WTR 4/ZR/O.TNHE	50	2436400000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".

WTR 4/ZR STB — 4 mm²

Supplementary connection, with socket



6.1 x 63.5 x 53
27 / 6
0.05...6

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1 Nm / (M 3)
10 / 0.6 x 3.5 mm

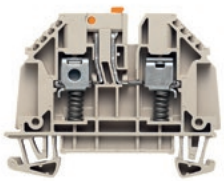
Type	Qty.	Order No.
WTR 4/ZR STB	50	1905110000
WTR 4/ZR STB/O.TNHE	50	2436410000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".

WTR 4 SL — 4 mm²

With clamping screw



6.1 x 61.5 x 46.5
32 / 6
0.22...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 Nm / (M 3)
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR 4 SL	50	7910270000
WTR 4 SL BL	50	7910280000

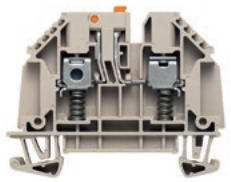
With pollution severity degree 2, the voltage can be raised to 630 V.

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000

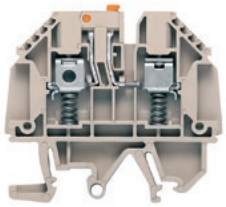
Cross-connections, see section "W series accessories".

Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

WTR 4 SL STB — 4 mm²
With socket



WTR 4 SL/EN — 4 mm²
with clamping screw



		WTR 4 SL STB	WTR 4 SL/EN
Width/Height/Depth	mm	6.1 x 61.5 x 46.5	6.1 x 61.5 x 51
max. current / max. cond. cross-section	A/mm²	32 / 6	32 / 6
Max. clamping range	mm²	0.22...6	0.22...6

Technical data

Rated data		WTR 4 SL STB	WTR 4 SL/EN
Rated voltage of feed-through terminal	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A	500	500
for wire cross-section	mm²	32	32
Rated impulse withstand voltage / Pollution severity		4	4
Gauge to IEC 60947-1 / UL 94 flammability rating		6 kV / 3	6 kV / 3
Number of operating cycles		A4 / V-0	A4 / V-0
Approvals			

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

Clamped conductors (H05V/H07V)		WTR 4 SL STB	WTR 4 SL/EN
Solid / Stranded	mm²	0.5...6 / 1.5...6	0.5...6 / 1.5...6
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)		0.5...0.6 Nm / (M 3)	0.5...1 Nm / (M 3)
Stripping length / Blade size	mm/-	13 / 0.6 x 3.5 mm	13 / 0.6 x 3.5 mm

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...0.6 Nm / (M 3)
13 / 0.6 x 3.5 mm

Note	WTR 4 SL STB	WTR 4 SL/EN
	UL/CSA 600 V possible with end plate WAP or WTW partition plate.	UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Ordering data

Version	WTR 4 SL STB	WTR 4 SL/EN
dark beige		
blue		

Type	Qty.	Order No.
WTR 4 STB SL	50	7910300000
WTR 4 STB SL BL	50	7910310000

Type	Qty.	Order No.
WTR4 SL/EN	50	7910360000
WTR4 SL/EN BL	50	7910370000

Note	WTR 4 SL STB	WTR 4 SL/EN
		With pollution severity degree 2, the voltage can be raised to 630 V.

Accessories

Pluggable cross-connection	WTR 4 SL STB	WTR 4 SL/EN
2-pole		
10-pole		

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000

End plate / Partition plate	WTR 4 SL STB	WTR 4 SL/EN
dark beige		
dark beige		

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

End bracket	WTR 4 SL STB	WTR 4 SL/EN
dark beige		

Type	Qty.	Order No.
WEW 35/2	100	1061200000

Hak. Cable lugs	WTR 4 SL STB	WTR 4 SL/EN

Type	Qty.	Order No.
HBT 1,5 - 3,0 RT	100	1312440000
HBT 2,5 - 3,0 BL	100	1312450000

Testing / Checking	WTR 4 SL STB	WTR 4 SL/EN
Test plug		

Type	Qty.	Order No.
PS 2.3 RT	20	0180400000

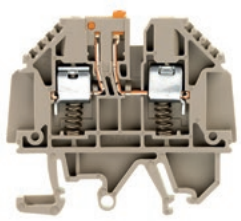
Identification systems	WTR 4 SL STB	WTR 4 SL/EN

Type	Qty.	Order No.
DEK 5/6 MC NE WS	1000	1609820000
WS 12/6 MC NE WS	600	1609900000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000

For detailed information on other accessories and application in the online catalogue	WTR 4 SL STB	WTR 4 SL/EN
	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WTR 4 STB SL/EN — 4 mm²

With socket



6.1 x 61.5 x 51
32 / 6
0.22...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...6 / 1.5...6
0.5...4 / 0.5...4
0.5...1 Nm / (M 3)
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR4 SL/EN STB	50	7910390000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

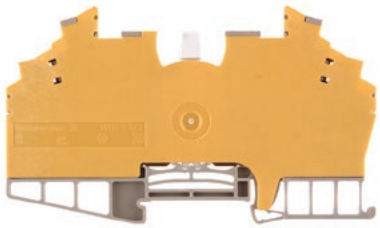
Cross-connections, see section "W series accessories".

WDT 1.5/1 — 1.5 mm²

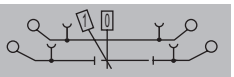
Disconnection lower level

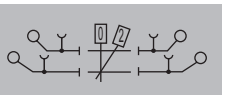
WDT 1.5/2 — 1.5 mm²

Disconnection both levels



		WDT 1.5/1	WDT 1.5/2
Width/Height/Depth	mm	6.4 x 112 x 66	6.4 x 112 x 66
max. current / max. cond. cross-section	A/mm²	**10 / 2.5**	**10 / 2.5**
Max. clamping range	mm²	**0.13...2.5**	**0.13...2.5**





Technical data

Rated data		WDT 1.5/1	WDT 1.5/2
Rated voltage of feed-through terminal	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Number of operating cycles			
Approvals			

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	A2 / V-0		

Clamped conductors (H05V/H07V)		WDT 1.5/1	WDT 1.5/2
Solid / Stranded	mm²	0.5...2.5 / 1.5...2.5	0.5...2.5 / 1.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Tightening torque (clamping screw for copper conductors)		0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm

Note	WDT 1.5/1	WDT 1.5/2

Ordering data

Version	WDT 1.5/1	WDT 1.5/2
dark beige		
without STB		
blue		

Type	Qty.	Order No.
WDT 1.5/1 DB/GE	25	**1015800000**

Type	Qty.	Order No.
WDT 1.5/2 DB/GE	25	**1015900000**

Note	WDT 1.5/1	WDT 1.5/2

Accessories

End bracket	WDT 1.5/1	WDT 1.5/2
dark beige		
Holder for cartridge fuse 5 x 20 mm		
400 V AC/DC, without LED		
10 - 36 V AC/DC, red LED		
Screwdriver		
Standard		
Locking lever		
Identification systems		

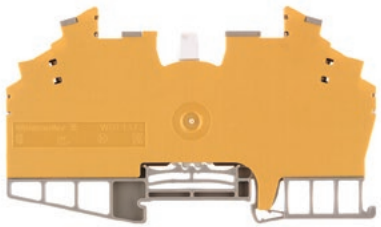
Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
RAHE LN WDT1.5		10	**1865410000**
DEK 5/6.5 MC NE WS		900	**1609840000**
WS 8/5 MC NE WS		720	**1640740000**

Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
RAHE LN WDT1.5		10	**1865410000**
DEK 5/6.5 MC NE WS		900	**1609840000**
WS 8/5 MC NE WS		720	**1640740000**

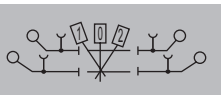
For detailed information on other accessories and application in the online catalogue

WDT 1.5/3 — 1.5 mm²

Disconnection lower level or both levels



6.4 x 112 x 66
10 / 2.5
0.13...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	A2 / V-2		

Rated connection
0.5...2.5 / 1.5...2.5
0.5...1.5 / 0.5...1.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

WDT 1.5/3 BL/HB Order no. 1016160000 flammability rating V2

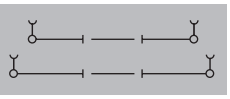
Type	Qty.	Order No.
WDT 1.5/3 DB/GE	25	**1016000000**
WDT 1.5/3 BL/HB	25	**1016160000**

Type	current	Qty.	Order No.
WEW 35/2		100	**1061200000**
SDS 0.6X3.5X100		1	**9008330000**
RAHE LN WDT1.5		10	**1865410000**
DEK 5/6.5 MC NE WS		900	**1609840000**
WS 8/5 MC NE WS		720	**1640740000**

WDTR 2.5 — 2.5 mm²

Double disconnect terminal

6.2 x 94 x 67
14 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 30...12	
	4 kV / 3		
	A3 / V-0		

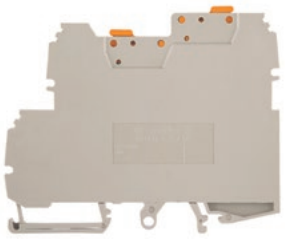
Rated connection
0.5...4 / 1.5...4
0.5...2.5 / 0.5...2.5
0.5...0.6 Nm / (M 3)
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5	25	**9528070000**
WDTR 2.5 0.STB	25	**1298020000**
WDTR 2.5 BL	25	**9528080000**

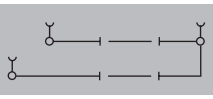
Type	current	Qty.	Order No.
WEW 35/1		50	**1059000000**
SIHA 1/G20		25	**9537550000**
SIHA 1/G20 10-36V		25	**9537560000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

External cross-connection is possible with the VQB 1.5/50. Refer to "Accessories" Chapter.

WDTR 2.5/WE — 2.5 mm²



6.2 x 81 x 67
23 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	17	
2.5	AWG 22...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

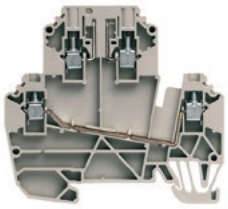
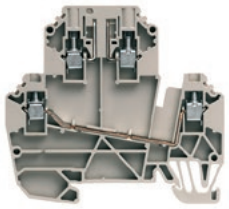
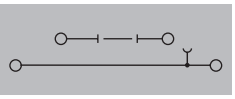
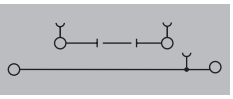
Rated connection
0.5...4 / 1.5...4
0.5...2.5 / 0.5...2.5
0.5...0.6 Nm / (M 3)
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5/WE	25	**9528090000**

Type	current	Qty.	Order No.
WEW 35/1		50	**1059000000**
SIHA 1/G20		25	**9537550000**
SIHA 1/G20 10-36V		25	**9537560000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

External cross-connection is possible with the VQB 1.5/50. Refer to "Accessories" Chapter.

Screw connection with clamping yoke technology (W-Series)
Test-disconnect terminal blocks

	WDK 2.5/TR-DU	2.5 mm²	WDK 2.5/TR-DU/STB	2.5 mm²
				
Width/Height/Depth mm	5.1 x 80.5 x 66		5.1 x 80.5 x 66	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.5...4		0.5...4	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	690		300	
Rated current A	24		20	
for wire cross-section mm²	2.5		AWG 30...12	
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0	
Number of operating cycles				
Approvals				

Clamped conductors (H05V/H07V)	WDK 2.5/TR-DU	WDK 2.5/TR-DU/STB
	Rated connection	Rated connection
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.5...0.6 Nm / (M 3)	0.5...0.6 Nm / (M 3)
Stripping length / Blade size mm/-	8 / 0.6 x 3.5 mm	8 / 0.6 x 3.5 mm
Note		

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU	50	1247290000
without isolator, dark beige	WDK 2.5/TR-DU/o TNHE	50	1833600000
Note			

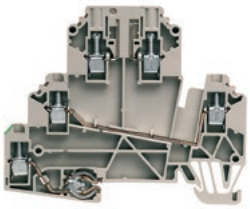
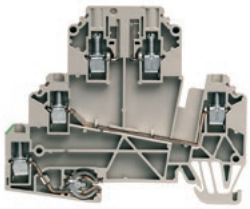
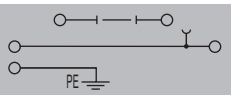
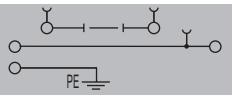
Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU STB	50	1247310000
without isolator, dark beige	WDK 2.5/TR-DU/o TNHE StB	50	1833610000
Note			

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D		50	1878560000
with wire jumper	BEST/DRBR		50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Testing / Checking				
Test plug				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D		50	1878560000
with wire jumper	BEST/DRBR		50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

	WDK 2.5/TR-DU-PE	2.5 mm²	WDK 2.5/TR-DU-PE/STB	2.5 mm²
				
Width/Height/Depth mm	5.1 x 72.5 x 66		5.1 x 72.5 x 66	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.5...4		0.5...4	

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	690			
Rated current	A	24			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-				
Note					

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	V	690			
Rated current	A	24			
for wire cross-section	mm²	2.5			
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A2 / V-0	
Number of operating cycles					
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²				
Flexible / Flexible with ferrule	mm²				
Tightening torque (clamping screw for copper conductors)					
Stripping length / Blade size	mm/-				
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU-PE	50	1247420000
without isolator, dark beige	WDK 2.5/TR-DU-PE/o TNHE	50	1833640000
Note			

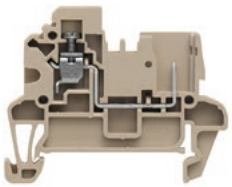
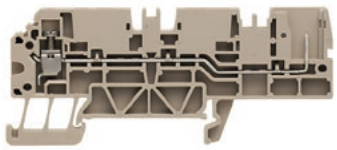
Version	Type	Qty.	Order No.
dark beige	WDK 2.5/TR-DU-PE STB	50	1247430000
without isolator, dark beige			
Note			

Accessories

	Type	current	Qty.	Order No.
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D		50	1878560000
with wire jumper	BEST/DRBR		50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Testing / Checking				
Test plug				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

	Type	current	Qty.	Order No.
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate				
dark beige	WAP WDK 2.5N/TR-DU		50	1839850000
End bracket				
dark beige	WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
With 1N4007 diode	BEST/D		50	1878560000
with wire jumper	BEST/DRBR		50	1878570000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Testing / Checking				
Test plug	PS 2.3 RT		20	0180400000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

	WT 2.5	WDT 2.5 BT
	2.5 mm²	2.5 mm²
		
Width/Height/Depth mm	5.1 x 50.5 x 40	5.1 x 85.5 x 36
max. current / max. cond. cross-section A/mm²	27 / 4	27 / 4
Max. clamping range mm²	0.13...4	0.13...4

Technical data

	WT 2.5	WDT 2.5 BT
Rated data	IEC 60947-7-1, IEC 61984	IEC 60947-7-1, IEC 61984
Rated voltage of feed-through terminal V	500	500
Rated current A	24	24
for wire cross-section mm²	2.5	2.5
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A4 / V-0	A4 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
Stripping length / Blade size mm/-	7 / 0.6 x 3.5 mm	7 / 0.6 x 3.5 mm
Note		

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 16...12	

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	

Ordering data

	Type	Qty.	Order No.
	WT 2.5	50	1305330000
Plug-in connector	**Type**	**Qty.**	**Order No.**
	WP 2.5/1AN/1	50	1305270000
	WP 2.5/1AN/10	50	1305280000
Note			

	Type	Qty.	Order No.
	WDT 2.5 BT	50	1305310000
Plug-in connector	**Type**	**Qty.**	**Order No.**
	WP 2.5/1AN/1	50	1305270000
	WP 2.5/1AN/10	50	1305280000
Note			

Accessories

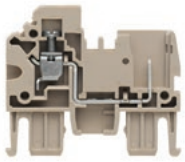
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
	WAP WDT 2.5 AT		50	1305250000
Cover				
End bracket				
dark beige	WEW 35/2		100	1061200000
Strain relief				
	APGSR 2.5		25	2457580000
Coding				
	APGCE		50	1514490000
Interlock				
	APGLE 2.5		25	2457570000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Plug				
dark beige				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Vertical jumpers				
1-pole				

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	1527540000
10-pole	ZQV 2.5N/10	24 A	20	1527690000
End plate				
	WAP WDT 2.5 BT		50	1305240000
Cover				
	AH WDT 2.5 BT		50	1305230000
End bracket				
dark beige	WEW 35/2		100	1061200000
Strain relief				
	APGSR 2.5		25	2457580000
Coding				
	APGCE		50	1514490000
Interlock				
	APGLE 2.5		25	2457570000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Plug				
dark beige	WDT 2.5 AT		50	1305320000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000
	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000
Vertical jumpers				
1-pole				

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDT 2.5 AT — 2.5 mm²



5.1 x 42 x 24.6
27 / 4
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

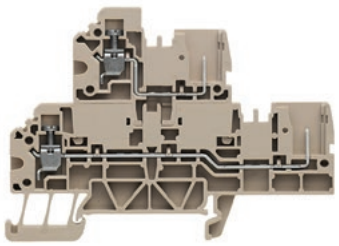
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDT 2.5 AT	50	1305320000
Type	**Qty.**	**Order No.**
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

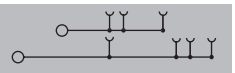
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5 AT		50	1305250000
APGSR 2.5		25	2457580000
APGCE		50	1514490000
APGLE 2.5		25	2457570000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".

WDT 2.5/2 — 2.5 mm²



5.1 x 85.5 x 60.5
27 / 4
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

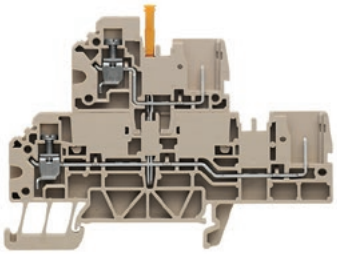
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDT 2.5/2	50	1305290000
Type	**Qty.**	**Order No.**
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

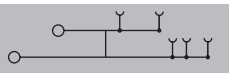
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5/2		50	1305260000
WEW 35/2		100	1061200000
APGSR 2.5		25	2457580000
APGCE		50	1514490000
APGLE 2.5		25	2457570000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
ZVQ 2.5/1.5	23 A	50	1720700000

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layers. Cross-connections, see section "W series accessories".

WDT 2.5/2 V — 2.5 mm²



5.1 x 85.5 x 60.5
27 / 4
0.13...4



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20.1	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A4 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDT 2.5/2 V	50	1305300000
Type	**Qty.**	**Order No.**
WP 2.5/1AN/1	50	1305270000
WP 2.5/1AN/10	50	1305280000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDT 2.5/2		50	1305260000
WEW 35/2		100	1061200000
APGSR 2.5		25	2457580000
APGCE		50	1514490000
APGLE 2.5		25	2457570000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".

Single plates for individual assembly

WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

WeiCoS plug

- Single plates, plug ZP 2.5/1AN
- Marking option

Ordering data	
	2.5 mm²
	4.0 mm²
Note	

WP 2.5/1AN/1

Start plate

Type	Qty.	Order No.
WP 2.5/1AN/1 ZA	50	1350990000
WP4/1AN/1 ZA	50	1108490000

WP 2.5/1AN ZA 0.RA

Middle plate or end plate

Type	Qty.	Order No.
WP 2.5/1AN/1 ZA 0.RA	50	1351000000

WP 2.5/1AN ZA

Middle plate or end plate

Type	Qty.	Order No.
WP 2.5/1AN/1	50	1305270000
WP4/1AN/1	50	1107790000

Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data	
	4.0 mm²
	1.5 mm² / 2.5 mm²
Note	

KOSF ZT

Coding elements

Type	Qty.	Order No.
KOSF ZT4	50	1856860000
APGCE	50	1514490000

Application

Interlock

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

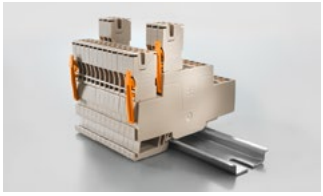
Ordering data	
	2.5 mm²
Note	

ZVR ZP 2.5

Locking element

Type	Qty.	Order No.
APGLE 2.5	25	2457570000

Application ZVR ZP



Strain reliefs / Protective cover

- ZVR ZP Strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protects the contact point from dirt

Ordering data	
2.5 mm²	
4.0 mm²	
Note	

ZZE ZP

Strain reliefs

Type	Qty.	Order No.
APGSR 2.5	25	**2457580000**
APGSR 2.5/4	25	**2457590000**
APGSR 2.5/8	25	**2457600000**
ZVR ZP4	25	**1855250000**

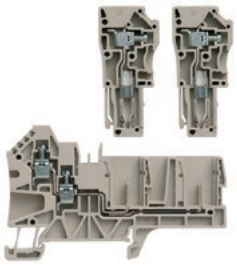
ZAD ZT / ZPS

Protective cover

Type	Qty.	Order No.
ZAD ZT/ZPS 2.5	25	**1861030000**

Application ZZE ZP

WT4 4 AN/2 — 4 mm²



Width/Height/Depth	6.1 x 84.3 x 50
max. current / max. cond. cross-section	/ 6
Max. clamping range	0.5...6

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	800	600		
Max. voltage of clamp support & pluggable system				
Rated current	32	30		
for wire cross-section	4	AWG 26...10		
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded	0.5...6 / 0.5...6	
Flexible / Flexible with ferrule	0.5...4 / 0.5...4	
Tightening torque (clamping screw for copper conductors)		
Stripping length / Blade size	/ 0.6 x 3.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	WT4 4AN/2	50	1107680000

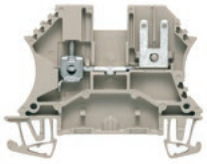
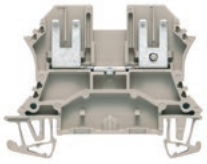
Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4N/2	32 A	60	1527930000
10-pole	ZQV 4N/10	32 A	20	1528090000
End plate / Partition plate				
dark beige	WAP WT4/4AN/2		50	1107780000
End bracket				
dark beige	WEW 35/2		100	1061200000
Miscellaneous accessories WeiCoS				
Locking element	ZVR ZP4		25	1855250000
Coding element	KOSF ZT4		50	1856860000
Strain relief	ZZE ZP4		25	1855260000
Plug-in connector				
	WP4/1AN/1		50	1107790000
	WP4/1AN/1 ZA		50	1108490000
	WP4/1AN/10		10	1107800000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

		WDU 2.5 F	WDU 2.5 FF 2*2.8
		2.5 mm²	1 mm²
		Spade connection right	Spade connection left and right
			
Width/Height/Depth	mm	5.1 x 60 x 46.25	5.1 x 60 x 46.25
max. current / max. cond. cross-section	A/mm²	12 / 4	12 / 1
Max. clamping range	mm²	0.13...4	...1
		IEC 61210, In accordance with IEC 60947-7-1	IEC 61210, In accordance with IEC 60947-7-1

Technical data

Rated data		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300		500	300	300	
Max. voltage of clamp support & pluggable system	-								
Rated current	A	12	16	10		12	16	10	
for wire cross-section	mm²	2.5	AWG 22...12	AWG 26...12		1	AWG 22...14	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				/ V-0		
Approvals									

Clamped conductors (H05V/H07V)		Rated connection	Plug-in connection	Rated connection	Plug-in connection
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)		0.4...0.8 Nm / (M 2.5)			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			

Note	WDU 2.5 F	WDU 2.5 FF 2*2.8
	With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..	With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDU 2.5 F 2X2.8	100	1021800000	WDU 2.5 FF 2X2.8	100	1021900000
blue						

Note	WDU 2.5 F	WDU 2.5 FF 2*2.8
	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).	Technical data refer to a 2.8 mm cable lug connector with 1 mm² conductor.

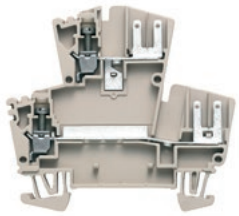
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	1053660000	WQV 2.5/2	32 A	50	1053660000
10-pole	WQV 2.5/10	32 A	20	1054460000	WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate								
dark beige	WAP 2.5-10		50	1050000000	WAP 2.5-10		50	1050000000
Blue	WAP 2.5-10 BL		50	1050080000	WAP 2.5-10 BL		50	1050080000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000	WAP 16+35 WTW 2.5-10		20	1050100000
Blue	WAP 16+35 WTW 2.5-10 BL		20	1050180000	WAP 16+35 WTW 2.5-10 BL		20	1050180000
End bracket								
dark beige	WEW 35/2		100	1061200000	WEW 35/2		100	1061200000
Cover								
With lightning flash symbol	WAD 4 GE BED		50	1072000000	WAD 4 GE BED		50	1072000000
Blank, white	WAD 4 WS		50	1072100000	WAD 4 WS		50	1072100000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 12/5 MC NE WS		720	1609860000	WS 12/5 MC NE WS		720	1609860000
	DEK 5/5 MM WS		800	2007110000	DEK 5/5 MM WS		800	2007110000
	WS 8/5 MM WS		800	2007150000	WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue	WDU 2.5 F	WDU 2.5 FF 2*2.8
	Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".	Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

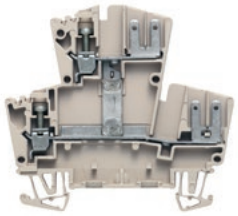
WDK 2.5 F — 2.5 mm²

Spade connection right



WDK 2.5 FV — 2.5 mm²

Spade connection right, both levels at one potential



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

WDK 2.5 F	WDK 2.5 FV
5.1 x 69.5 x 62.5	5.1 x 69.5 x 62.5
12 / 4	**12 / 4**
0.13...4	**0.13...4**
IEC 61210, In accordance with IEC 60947-7-1	IEC 61210, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	400	300	300	
Max. voltage of clamp support & pluggable system (-)				
Rated current (A)	12	10	10	
for wire cross-section (mm²)	2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...4 / 1.5...4	
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5	
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm	

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage (V)	400		300	
Max. voltage of clamp support & pluggable system (-)				
Rated current (A)	12		10	
for wire cross-section (mm²)	2.5		AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Plug-in connection
Solid / Stranded (mm²)	0.5...4 / 1.5...4	
Flexible / Flexible with ferrule (mm²)	0.5...4 / 0.5...2.5	
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	
Stripping length / Blade size (mm/-)	10 / 0.6 x 3.5 mm	

Note

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Note

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDK 2.5 F	100	**1021600000**
blue	WDK 2.5 F BL	100	**1021680000**

Note

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Version	Type	Qty.	Order No.
	WDK 2.5 FV	100	**1022400000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP WDK2.5		20	**1059100000**
Blue	WAP WDK2.5 BL		20	**1059180000**
dark beige	WTW EN		20	**1058800000**
Blue				
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cover				
With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
Blank, white	WAD 4 WS		50	**1072100000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP WDK2.5		20	**1059100000**
Blue	WAP WDK2.5 BL		20	**1059180000**
dark beige	WTW EN		20	**1058800000**
Blue				
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cover				
With lightning flash symbol	WAD 4 GE BED		50	**1072000000**
Blank, white	WAD 4 WS		50	**1072100000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

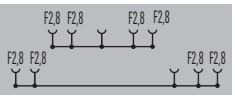
Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

WDK 2.5 FF

1 mm²

Spade connection left and right

5.1 x 75.5 x 62.5
12 / 1
...1



IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
1		AWG 26...12	
		6 kV / 3	
		/ V-0	

Rated connection	Plug-in connection

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm² conductor..

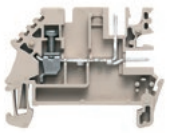
Type	Qty.	Order No.
WDK 2.5 FF	100	**1021700000**

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WAP WDK2.5 BL		20	**1059180000**
WTW EN		20	**1058800000**
WEW 35/2		100	**1061200000**
WAD 4 GE BED		50	**1072000000**
WAD 4 WS		50	**1072100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

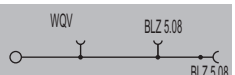
WDU 1.5 BLZ 5.08 WQV — 1.5 mm²

Screwable cross-connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

5.08 x 49 x 37
16 / 4
0.13...4



IEC 61210, In accordance with IEC 60947-7-1

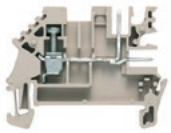
IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	10	
1.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

WDU 1.5 BLZ 5.08 ZQV — 1.5 mm²

Plug-in cross-connection



5.08 x 49 x 37
16 / 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	20	
1.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige

Note

Type	Qty.	Order No.
WDU 1.5/BLZ 5.08	100	**1577340000**

WDU 1.5 BLA Order no. 1577260000 (100 pcs.). 2.5 mm² conductor with wire-end ferrule with plastic collar, only with order No. 1333100000, QTY 500.

Type	Qty.	Order No.
WDU 1.5/ZQV/BLZ 5.08	100	**1784460000**

2.5 mm² conductor with wire-end ferrule with plastic collar, only with order no. 1333100000 (500 pieces).

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole				
10-pole				
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
Without peg	WAP WDU1.5/BLZ		50	**1577330000**
With spigot	WAP WDU1.5/BLZ/ZA		50	**1577320000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Mounting block for socket connector				
Without peg	WBB WDU1.5/BL...		10	**1068160000**
With spigot	WBB ZA WDU1.5/BL 10/10		10	**1068260000**
Plug-in connector				
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC SDR		144	**1609870000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
Miscellaneous accessories				
Cover for unused pins				

Accessories	Type	current	Qty.	Order No.
	ZQV 2.5N/2	24 A	60	**1527540000**
	ZQV 2.5N/10	24 A	20	**1527690000**
	WAP WDU1.5/BLZ		50	**1577330000**
	WAP WDU1.5/BLZ/ZA		50	**1577320000**
	WEW 35/2		100	**1061200000**
	WBB WDU1.5/BL...		10	**1068160000**
	WBB ZA WDU1.5/BL 10/10		10	**1068260000**
	BLZP 5.08HC/04/180 SN OR BX		90	**1943600000**
	BLZP 5.08HC/06/180 SN OR BX		60	**1943620000**
	BLZP 5.08HC/08/180 SN OR BX		42	**1943640000**
	BLZP 5.08HC/04/180F SN OR BX		60	**1944110000**
	BLZP 5.08HC/06/180F SN OR BX		42	**1944130000**
	BLZP 5.08HC/08/180F SN OR BX		36	**1944150000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC SDR		144	**1609870000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**
	SCHT 7		20	**0517960000**
	ZGB 30		20	**1611930000**

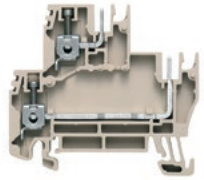
For detailed information on other accessories and application in the online catalogue

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".

WDK 2.5 BLZ/5.08 — 2.5 mm²

Double terminal pitch 5.08



5.08 x 58 x 52.5
18 / 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16.5	20	20	
2.5	AWG 22...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...4 / 0.5...2.5	
/ (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 58 mm / height 63.5 mm

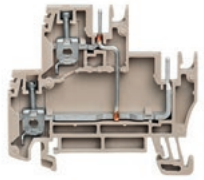
Type	Qty.	Order No.
WDK 2.5/BLZ/5.08/ZA	100	**1034400000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

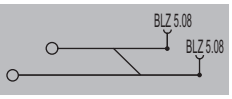
Type	current	Qty.	Order No.
WAP WDK2.5/BLZ/0.ZA		20	**1070000000**
WAP WDK2.5/BLZ/M.ZA		20	**1070100000**
WEW 35/1		50	**1059000000**
WBB WDK2.5/BL5.08		10	**1072660000**
WBB ZA WDK2.5/BL5.08		10	**1072760000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WAD WDU1.5/BLZ/BLA		20	**1577400000**

External cross-connector WQB A, see section on W-series Accessories "potential distribution".

WDK 2.5 BLZ/5.08/ZA V — 2.5 mm²



5.08 x 58 x 52.5
18 / 4
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

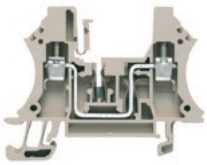
IEC	UL	CSA	EN 60079-7
250	300	300	
16.5	20	20	
2.5	AWG 22...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
WDK 2.5/BLZ/5.08/ZA V	100	**1027410000**

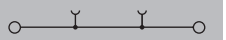
Type	current	Qty.	Order No.
WAP WDK2.5/BLZ/0.ZA		20	**1070000000**
WAP WDK2.5/BLZ/M.ZA		20	**1070100000**
WEW 35/1		50	**1059000000**
WBB WDK2.5/BL5.08		10	**1072660000**
WBB ZA WDK2.5/BL5.08		10	**1072760000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
WAD WDU1.5/BLZ/BLA		20	**1577400000**

WPO 4 — 4 mm²



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

6 x 60 x 46.5
32 / 4
0.13...4



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300	
Max. voltage of clamp support & pluggable system -				
Rated current A	32	10	10	
for wire cross-section mm²	4	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE SR cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	8 / 0.6 x 3.5 mm			
Stripping length / Blade size mm/-				

Note

The tightening torque is 2 Nm when connecting two conductors.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WPO 4	50	**1036000000**

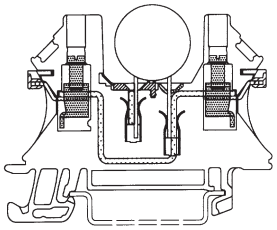
Note

Accessories

Intermediate frame	Type	current	Qty.	Order No.
Thickness 2.5 mm	ZR WPO4 DB		20	**1071100000**
Busbar				
1 m	SSCH 7.3X1.2X1000		1	**1071200000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/6 MM WS		600	**2007120000**
	WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

WPO 4 with varistor

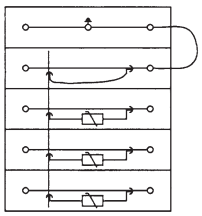


Weidmüller varistor terminals have been designed for the retrofitting of electronic components, e.g. varistors, diodes, gas discharge tubes, etc.
These “electronic terminals” no longer have to be configured prior to installation for subsequent delivery with soldered components which can no longer be distinguished.

The significant advantages of this design are:

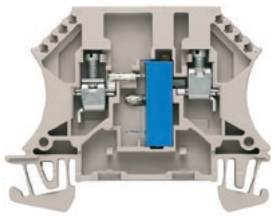
- **Cost saving:**
  Components can be changed quickly on site.
  Service requires only a visual inspection.
- **Clarity:**
  Components are easy to distinguish.
- **Flexibility:**
  Components can immediately be adapted to changed conditions.

Note:
Never change eletronic components under load!

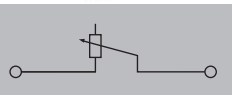


Overvoltages in a 3-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

WDUL 4/... | 4 mm²



Width/Height/Depth	mm	6.5 x 60 x 46.5
max. current / max. cond. cross-section	A/mm²	6 / 6
Max. clamping range	mm²	0.13...6



Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage				
Max. voltage of clamp support & pluggable system				
Rated current	120			
for wire cross-section	4			
Rated impulse withstand voltage / Pollution severity			/ 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0	
Approvals	CE EAC			

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...6 / 1.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size mm/-	9 / 0.6 x 3.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
10 Ω	WDUL 4/10	10	1027000000
100 Ω	WDUL 4/100	10	1027300000
500 Ω	WDUL 4/500	10	1027400000
1 kΩ	WDUL 4/1K	10	1027500000
5 kΩ	WDUL 4/5K	10	1027600000
10 kΩ	WDUL 4/10K	10	1027700000
50 kΩ	WDUL 4/50K	10	1027800000
500 kΩ	WDUL 4/500K	10	1028000000
without potentiometer	WDUL 4	10	8161820000

Note

Accessories

End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	WAP 2.5-10		50	1050000000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
End bracket				
dark beige	WEW 35/2		100	1061200000
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	9006060000
Standard	SDS 0.6X3.5X100		1	9008330000
Shield bus				
	LS 2.8 WDU2.5-10		100	1056400000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Technical data for the 10 Ω compensating resistor

Resistor material: "Cermet"

Resistor setting range: 0...30 Ω

Wave form: linear

Temperature coefficient: 100 ppm/°C

Mechanical lifespan: 200 operations without permissible deviations, across the entire resistance range

Resistance change per spindle turn: ≈ 0,4 Ω

Rated output for total resistance: 1 watt at 70 °C

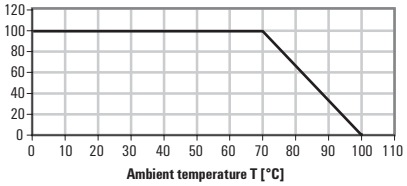
Rated current: 300 mA

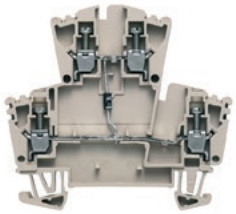
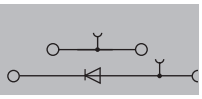
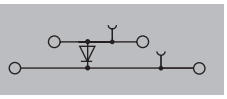
Ambient temperature: -55 °C to +70 °C

Ingress (seal) protection:

1) Leak tested in water at 70 °C without bubble formation
2) Storage in SFW 2.0 S, acc. to DIN 50018, 9 cycles

Capacity expressed in % of rated load



	WDK 2.5/D	WDK 2.5/D/1
	2.5 mm²	2.5 mm²
	Reverse polarity protection	Suppression circuit e. g. for contactor
		
Width/Height/Depth mm	5.1 x 69 x 62.5	5.1 x 69 x 62.5
max. current / max. cond. cross-section A/mm²	**10 / 4**	**10 / 4**
Max. clamping range mm²	**0.05...4** 	**0.05...4** 

Technical data

Rated data					IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	-		300			400	300	300	
Rated current	A	10	20			10	20	1	
for wire cross-section	mm²	2.5	AWG 22...12			2.5	AWG 22...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3				6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A3 / V-0		
Approvals		CE EAC UL				CE GL EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4				0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5				0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)		0.4...0.6 Nm / (M 2.5)				0.4...0.6 Nm / (M 2.5)			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note		Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**				Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDK 2.5 1D	25	**8025610000**	WDK 2.5 1D A.1	25	**1023400000**
dark beige (red LED)						
dark beige (green LED)						
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).			2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Accessories

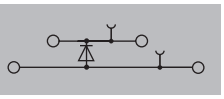
Screwable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate								
dark beige	WAP WDK2.5		20	**1059100000**	WAP WDK2.5		20	**1059100000**
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Screwdriver								
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**9008330000**	SDS 0.6X3.5X100		1	**9008330000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**

For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 2.5/D/2 — 2.5 mm²

Suppression circuit e. g. for contactor

5.1 x 69 x 62.5
10 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	1	
2.5	AWG 22...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**

Type	Qty.	Order No.
WDK 2.5 1D A.2	25	**1023300000**

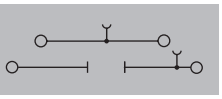
2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, see section "W series accessories".

WDK 2.5/D/3 — 2.5 mm²

5.1 x 69 x 62.5
10 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
10			
2.5			
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5/D/3	100	**1023100000**

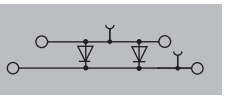
2.5 mm² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

WDK 2.5/D/4 — 2.5 mm²

Lamp test circuits

5.1 x 69 x 62.5
10 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300		
10	20		
2.5	AWG 22...12		
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

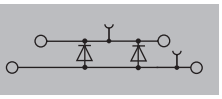
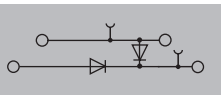
Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**

Type	Qty.	Order No.
WDK 2.5 2D 1.A	25	**8014670000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, see section "W series accessories".

	WDK 2.5/D/5	2.5 mm²	WDK 2.5/D/6	2.5 mm²
	Lamp test circuits		Lamp test circuits	
Width/Height/Depth mm	5.1 x 69 x 62.5		5.1 x 69 x 62.5	
max. current / max. cond. cross-section A/mm²	**10 / 4**		**10 / 4**	
Max. clamping range mm²	**0.05...4**		**0.05...4**	

Technical data

Rated data	WDK 2.5/D/5	WDK 2.5/D/6
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
for wire cross-section mm²	400 / 300 / 300	400 / 300 / 300
Rated impulse withstand voltage / Pollution severity	10 / 20 / 10	10 / 20 / 10
Gauge to IEC 60947-1 / UL 94 flammability rating	2.5 / AWG 22...12 / AWG 26...12	2.5 / AWG 22...12 / AWG 26...12
Approvals	6 kV / 3	6 kV / 3
	A3 / V-0	A3 / V-0
	CE GS EAC UL	CE GS EAC UL
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	Rated current is 10 A for continuous busbars only. **Diode 1 N 4007**	Rated current is 10 A for continuous busbars only.

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WDK 2.5 2D 2.A	25	**1022600000**	WDK 2.5 2D	25	**1023500000**
dark beige (red LED)						
dark beige (green LED)						
Note	2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).			2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

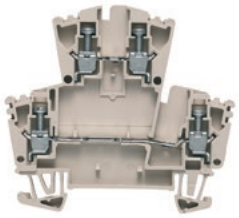
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQV 2.5/2	32 A	50	**1053660000**	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate								
dark beige	WAP WDK2.5		20	**1059100000**	WAP WDK2.5		20	**1059100000**
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Screwdriver								
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**9008330000**	SDS 0.6X3.5X100		1	**9008330000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 8/5 MC NE WS		720	**1640740000**	WS 8/5 MC NE WS		720	**1640740000**
	DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**

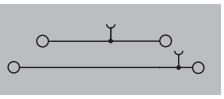
For detailed information on other accessories and application in the online catalogue	Cross-connections, see section "W series accessories".	Cross-connections, see section "W series accessories".

WDK 2.5/D — 2.5 mm²

For installing electronic components



5.1 x 69.5 x 62.5
10 / 4
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
10			
2.5			
	6 kV / 3		
	A3 / V-0		

EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only.

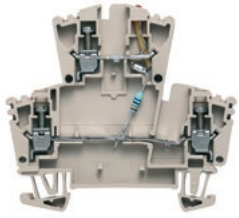
Type	Qty.	Order No.
WDK 2.5/D	100	**1023200000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

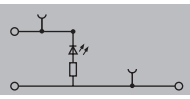
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

WDK 2.5 LD + - — 2.5 mm²

DC voltage indicator + / -



5.1 x 69 x 62.5
10 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC +-	25	**1023600000**
WDK 2.5 LD/GN 1R 24VDC	25	**8023610000**

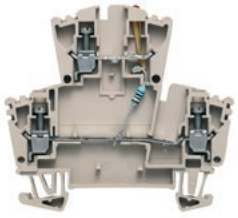
2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

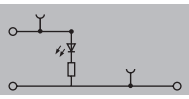
Cross-connections, see section "W series accessories".

WDK 2.5 LD - + — 2.5 mm²

DC voltage indicator - / +



5.1 x 69 x 62.5
10 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

CE EAC

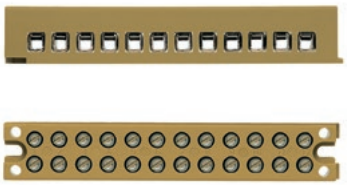
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm /
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC -+	25	**8023630000**
WDK 2.5 LD GR 1R 24VDC	25	**8010040000**

2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	**1053660000**
WQV 2.5/10	32 A	20	**1054460000**
WAP WDK2.5		20	**1059100000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**

Cross-connections, see section "W series accessories".

	MK 2/12	2.5 mm²	MK 3/2...12	2.5 mm²
				
Width/Height/Depth mm	15 x 86 x 15		91.25 x 15 x 16.1	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
Max. clamping range mm²	**0.2...4**		**0.33...4**	

Technical data

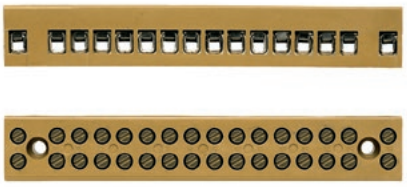
Rated data	MK 2/12				MK 3/2...12			
	IEC 60947-7-1				IEC 60947-7-1			
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	125	300	300		400	300	300	
Rated current	24	10	10		24	20	25	
for wire cross-section	2.5	AWG 24...12	AWG 24...12		2.5	AWG 22...12	AWG 22...12	
Rated impulse withstand voltage / Pollution severity	2.5 kV / 3				6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-2				A2 / 5VA			
Approvals								
Clamped conductors (H05V/H07V)	**Rated connection**				**Rated connection**			
Solid / Stranded	0.5...4 / 1.5...2.5				0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5				0.5...2.5 / 0.5...1.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)				/ (M 2.5)			
Stripping length / Blade size	5 / 0.6 x 3.5 mm				5 / 0.6 x 3.5 mm			
Note								

Ordering data

Order data, sorting catalogue 1/SAK	MK 2/12 Type	Height	Mounting	Qty.	Order No.	MK 3/2...12 Type	Height	Mounting	Qty.	Order No.
2-pin						MK 3/2	15	18.5	100	**0273820000**
3-pin						MK 3/3	15	18.5	50	**0273920000**
4-pin						MK 3/4	15	18.5	50	**0274020000**
5-pin						MK 3/5	15	18.5	50	**0274120000**
6-pin						MK 3/6	15	37	50	**0274220000**
7-pin						MK 3/7	15	37	50	**0274320000**
8-pin						MK 3/8	15	55.5	25	**0274420000**
10-pin						MK 3/10	15	74	20	**0274620000**
12-pin	MK 2/12	86	80	50	**0241260000**	MK 3/12	15	92.5	20	**0243520000**
16-pin										
Note										

For detailed information on other accessories and application in the online catalogue

MK 4/16 — 2.5 mm²



17 x 103 x 16
24 / 4
0.2...4

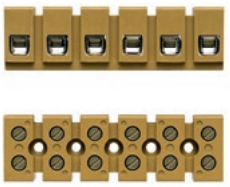
IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	150	
24	15	15	
2.5	AWG 24...12	AWG 22...12	
	6 kV / 3		
	A2 / 5VA		

Rated connection
0.5...4 / 1.5...2.5
0.5...2.5 / 0.5...1.5
/ (M 2.5)
5 / 0.6 x 3.5 mm

Type	Height	Mounting	Qty.	Order No.
MK 4/16	103	85.5	20	**0244220000**

MK 6/2...6/6 — 6 mm²



23 x 23.5 x 22
41 / 6
0.33...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300	300	
41	30	40	
6	AWG 22...10	AWG 22...10	
	8 kV / 3		
	A3 / 5VA		

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
/ (M 4)
9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2	23.5		50	**0620420000**
MK 6/3	36.5	13	50	**0620320000**
MK 6/4	49.5	26	20	**0620220000**
MK 6/6	75.5	52	20	**0620120000**

	MK 5/2 0.DE	2.5 mm²	KS 2...10	2.5 mm²
Width/Height/Depth mm	18 x 40 x 14.2		25 x 138 x 17.5	
max. current / max. cond. cross-section A/mm²	**24 / 4**		**24 / 4**	
Max. clamping range mm²	**0.2...4**		**0.2...4**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500	300		
Rated current	24	25		
for wire cross-section	2.5	AWG 20...14		
Rated impulse withstand voltage / Pollution severity	6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / 5VA			
Approvals	CE, CSA, EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			
Tightening torque (clamping screw for copper conductors)	/ (M 2.5)			
Stripping length / Blade size	5 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500	300	300	
Rated current	24	20	25	
for wire cross-section	2.5	AWG 24...12	AWG 24...12	
Rated impulse withstand voltage / Pollution severity	6 kV / 3			
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / 5VA			
Approvals	CE, CSA, EAC, UL			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded	0.5...4 / 1.5...2.5			
Flexible / Flexible with ferrule	0.5...2.5 / 0.5...1.5			
Tightening torque (clamping screw for copper conductors)	/ (M 3)			
Stripping length / Blade size	8 / 4.0 x 0.8 mm			
Note				

Ordering data

Order data, sorting catalogue 1/SAK	Type	Height	Mounting	Qty.	Order No.
2-pin	MK 5/2 0.DE	40	32	100	**0243820000**
3-pin					
4-pin					
6-pin					
10-pin					
12-pin					
Note					

Type	Height	Mounting	Qty.	Order No.
KS 2 0.D2	42	32	100	**0134420000**
KS 4 0.D4	66	56	50	**0140320000**
KS 6 0.D6	90	80	50	**0140620000**
KS 10 0.D10	138	128	20	**0141620000**

Accessories

Lid / cover	Type	Qty.	Order No.
	D 2 MK5/2 PA/NA	50	**0244060000**

Type	Qty.	Order No.
D2 KS2 TP	100	**0134500000**
D4 KS4 TP	50	**0140500000**
D6 KS6 TP	50	**0140800000**
D10 KS10 TP	20	**0141800000**

For detailed information on other accessories and application in the online catalogue

BK 2...12 — 4 mm²

22 x 92 x 20
32 / 4
0.33...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	300	
32	20	10	
4	AWG 26...12	AWG 22...12	
	6 kV / 3		
	A3 / V-0, 5VA		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
/ (M 3)
8 / 4.0 x 0.8 mm

Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm²) can be connected.

Type	Height	Mounting	Qty.	Order No.
BK 2 CRN	20		100	**0624720000**
BK 3 CRN	31	11	100	**0624920000**
BK 4 CRN	38	18	100	**0625120000**
BK 6 CRN	52	32	50	**0625220000**
BK 12 CRN	92	72.5	25	**0625320000**

Screw connection with clamping-yoke technology (W-Series)
Mini terminal blocks for enclosure wiring

	BK 2...12/E	MK 3/2...12/E
	4 mm²	**2.5 mm²**
	Solid / stranded **Flexible / flexible with wire-end ferrule**	
Width/Height/Depth mm	22 x 92 x 20	15 x 110 x 16.1
max. current / max. cond. cross-section A/mm²	**32 / 4**	**24 / 4**
Max. clamping range mm²	**0.33...4**	**0.33...4**

Technical data

	BK 2...12/E				MK 3/2...12/E			
Rated data								
Rated voltage	IEC 60947-7-1		Ex e IIII 2 G D		IEC 60947-7-1		Ex e IIII 2 G D	
Rated current	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section	400	150	300	275	400	300	300	275
Rated impulse withstand voltage / Pollution severity	32	20	10	28	24	20	25	21
Gauge to IEC 60947-7-1 / UL 94 flammability rating	4	AWG 26...12	AWG 22...12	4 mm²	2.5	AWG 22...12	AWG 22...12	2.5 mm²
Approvals	6 kV / 3				6 kV / 3			
	A3 / V-0, 5VA				A2 / 5VA			
	BAS 98ATEX3084 U				BAS 99ATEX2124 U			
Clamped conductors (H05V/H07V)								
Solid / Stranded	**Rated connection**				**Rated connection**			
Flexible / Flexible with ferrule	0.5...4 / 1.5...4				0.5...4 / 1.5...2.5			
Tightening torque (clamping screw for copper conductors)	0.5...4 / 0.5...4				0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	/ (M 3)				/ (M 2.5)			
	8 / 4.0 x 0.8 mm				5 / 0.6 x 3.5 mm			
Note	Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm²) can be connected.							

Ordering data

Order data, sorting catalogue 1/SAK	BK 2...12/E					MK 3/2...12/E				
	Type	**Height**	**Mounting**	**Qty.**	**Order No.**	**Type**	**Height**	**Mounting**	**Qty.**	**Order No.**
2-pin	BK 2/E	20		100	**7906040000**	MK 3/2/E	15	18.5	100	**7906110000**
3-pin	BK 3/E	31	11	100	**7906060000**	MK 3/3/E	15	18.5	50	**7906120000**
4-pin	BK 4/E	38	18	100	**7906080000**	MK 3/4/E	15	18.5	50	**7906130000**
5-pin										
6-pin	BK 6/E	52	32	50	**7906090000**	MK 3/6/E	15	37	50	**7906150000**
8-pin						MK 3/8/E	15	55.5	25	**7906170000**
12-pin	BK 12/E	92	72.5	25	**7906100000**	MK 3/12/E	110	92.5	20	**7906210000**
Note	*DU = feed-through terminals, PE = PE terminals									

Accessories

Lid / cover	Type	Qty.	Order No.
	D2 KS2 TP	100	**0134500000**
	D4 KS4 TP	50	**0140500000**
	D6 KS6 TP	50	**0140800000**
	D10 KS10 TP	20	**0141800000**

For detailed information on other accessories and application in the online catalogue

MK 6/2...6/E — 6 mm²

23 x 23.5 x 22
41 / 6
0.33...6

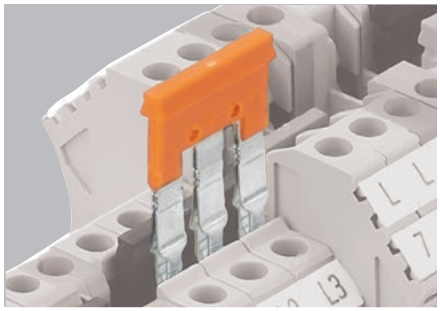
IEC 60947-7-1 — Ex e IIII 2 G D

IEC	UL	CSA	EN 60079-7
690	300		440
41	30		36
6	AWG 22...10		6 mm²
	8 kV / 3		
	A3 / 5VA		
			BAS 99ATEX2123 U

Rated connection
0.5...6 / 1.5...6
0.5...6 / 0.5...4
/ (M 4)
9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2/E	23.5		50	**7906220000**
MK 6/3/E	36.5	13	50	**7906230000**
MK 6/4/E	49.5	26	20	**7906240000**
MK 6/5/E	6250	26	20	**7906250000**
MK 6/6/E	75.5	52	20	**7906260000**

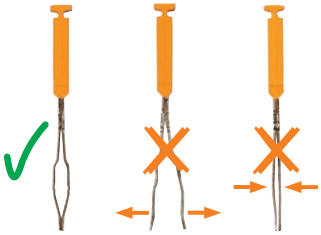
ZQV plug-in cross-connection



Weidmüller is the leading manufacturer of plug-in cross connection systems for screw clamp terminals. The plug-in cross-connections stand out with their easy handling and quick assembly, resulting in considerable time savings compared to screwed assembly solutions. This also ensures that all poles remain securely in contact.

Assembly / Technical information

- The ZQV is pressed into the cross-connection channel by hand.
- **Important!** Ensure that the ZQV is pressed right in. The cross-connection must not protrude out of the cross-connection channel.
- To replace or remove, simply lever out with a screwdriver.
- Reduced rated voltage 400 V
- Different colours can be used to mark different potential
- **Important!** The contact elements must not be deformed

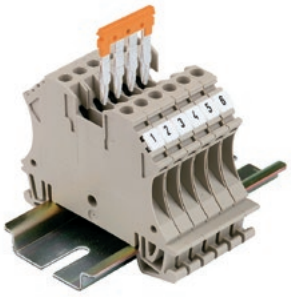


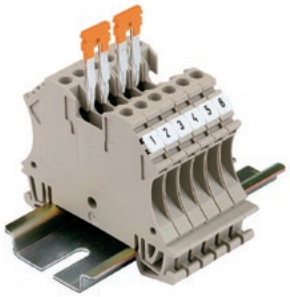
In one cross-connection channel

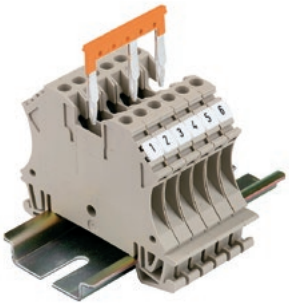
single

adjacent

bridging

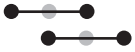




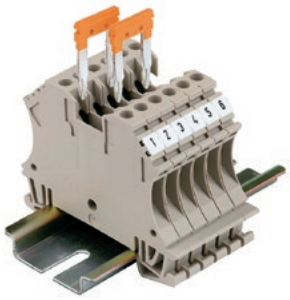


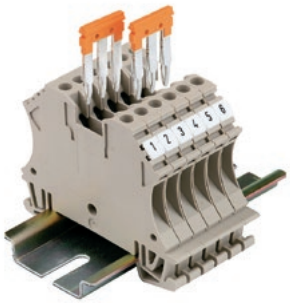
In two cross-connection channels

parallel/bridging



parallel/lengthening

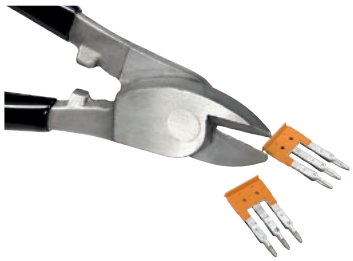




Possible cross-connections of terminals of the same type with corresponding cross-connectors

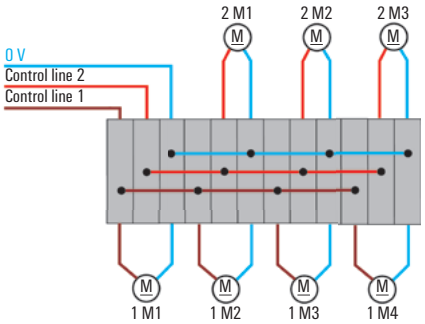
Terminal type	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
Standard						
WDU 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDK 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDU 2.5/1.5/ZR	ZQV 2.5N	•	•	•	•	•
WDU 2.5	ZQV 2.5N	•	•	•	•	•
WDK 2.5 ZQV	ZQV 2.5N	•	•	•		
WTR 2.5/ZZ	ZQV 2.5	•	•	•		
WDU 4	ZQV 4N	•	•	•	•	•
WTR 4...	ZQV 4N	•	•	•		
WDU/PE/4ZZ/ZR	ZQV 4N	•	•	•	•	•
WTR 4/ZZ/ZR	ZQV 4N	•	•	•		
Compact						
WDU 2.5N ZQV	ZQV 2.5N	•	•	•	•	•
WDK 2.5N...	ZQV 2.5N	•	•	•		
WDK 2.5N PE	ZQV 2.5N	•	•	•		
WDU 4N	ZQV 4N	•	•	•	•	•
WDK 4N...	ZQV 4N	•	•	•		
WDK 4N PE	ZQV 4N	•	•	•		

Continuous cross-connection
ZQV 2.5N/20 (20-pole) and ZQV 4N/20 (20-pole) are ideal for shortening (e.g. with tool KT ZQV – 9002170000) to produce customised configurations with the required number of poles.
More than 20 poles in a row are not recommended because of the resulting tolerances in the terminals.



Special features of
WDU 2.5, WDU 4 und WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials
  Important! Rated voltage reduced to 125 V!
- Parallel distribution of 2 potentials
  Important! Only when using the outer cross-connection holes at 400 V
- The middle cross-connection hole can be used for either ZQV or WQV



Important! By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

Continuous cross-connection

ZQV 2.5N

Technical data	
current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pin	ZQV 2.5N/2	60	1527540000
	3-pin	ZQV 2.5N/3	60	1527570000
	4-pin	ZQV 2.5N/4	60	1527590000
	5-pin	ZQV 2.5N/5	20	1527620000
	6-pin	ZQV 2.5N/6	20	1527630000
	7-pin	ZQV 2.5N/7	20	1527640000
	8-pin	ZQV 2.5N/8	20	1527670000
	9-pin	ZQV 2.5N/9	20	1527680000
	10-pin	ZQV 2.5N/10	20	1527690000
	20-pin	ZQV 2.5N/20	20	1527720000

Note

ZQV 4N

Technical data	
	32

Type	Qty.	Order No.
ZQV 4N/2	60	1527930000
ZQV 4N/3	60	1527940000
ZQV 4N/4	60	1527970000
ZQV 4N/5	60	1527980000
ZQV 4N/6	20	1527990000
ZQV 4N/7	20	1528020000
ZQV 4N/8	20	1528030000
ZQV 4N/9	20	1528070000
ZQV 4N/10	20	1528090000

Technical data	
current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pin	ZQV 2.5N/2 BL	60	1527740000
	3-pin	ZQV 2.5N/3 BL	60	1527770000
	4-pin	ZQV 2.5N/4 BL	60	1527780000
	5-pin	ZQV 2.5N/5 BL	20	1527790000
	6-pin	ZQV 2.5N/6 BL	20	1527820000
	7-pin	ZQV 2.5N/7 BL	20	1527830000
	8-pin	ZQV 2.5N/8 BL	20	1527840000
	9-pin	ZQV 2.5N/9 BL	20	1527870000
	10-pin	ZQV 2.5N/10 BL	20	1527880000
	20-pin	ZQV 2.5N/20 BL	20	1527890000

Note

Technical data	
	32

Type	Qty.	Order No.
ZQV 4N/2 BL	60	1528040000
ZQV 4N/3 BL	60	1528080000
ZQV 4N/4 BL	60	1528120000
ZQV 4N/5 BL	60	1528140000
ZQV 4N/6 BL	20	1528170000
ZQV 4N/7 BL	20	1528180000
ZQV 4N/8 BL	20	1528190000
ZQV 4N/9 BL	20	1528220000
ZQV 4N/10 BL	20	1528230000

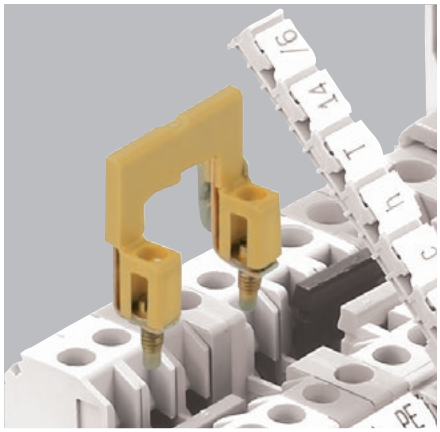
Technical data	
current	A
	24

Ordering data		Type	Qty.	Order No.
	2-pin	ZQV 2.5N/2 RD	60	2108470000
	3-pin	ZQV 2.5N/3 RD	60	2108690000
	4-pin	ZQV 2.5N/4 RD	60	2108700000
	5-pin	ZQV 2.5N/5 RD	20	2108710000
	6-pin	ZQV 2.5N/6 RD	20	2108720000
	7-pin	ZQV 2.5N/7 RD	20	2108810000
	8-pin	ZQV 2.5N/8 RD	20	2108870000
	9-pin	ZQV 2.5N/9 RD	20	2108900000
	10-pin	ZQV 2.5N/10 RD	20	2108910000
	20-pin	ZQV 2.5N/20 RD	20	2108920000

Note

Type	Qty.	Order No.
ZQV 4N/2 RD	60	2460450000
ZQV 4N/3 RD	60	2460810000
ZQV 4N/4 RD	60	2460800000
ZQV 4N/5 RD	60	2460790000
ZQV 4N/6 RD	20	2460780000
ZQV 4N/7 RD	20	2460770000
ZQV 4N/8 RD	20	2460760000
ZQV 4N/9 RD	20	2460750000
ZQV 4N/10 RD	20	2460740000

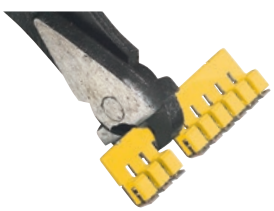
WQV screw-in cross-connection



Thanks to the many possible ways in which the WQV cross-connection system can be used – break-out of individual layers, creation of any number of poles or running of two voltages parallel to one another – individual modules can be realised very easily!

Technical instructions
- The full rated current of the terminals can be routed across any number of poles.
- No end plates or partition plates needed for adjacent WQV up to 400 V.

Assembly
- Place the WQV in the cross-connection channel in the middle of the terminal and screw tight.
- Individual WQV segments can be broken out by bending over or using the WAW1 tool (9004500000). It is then possible to bridge individual or several terminals.



- Captive fixing screws.
- Snap onto the clamped support – simple overhead assembly.

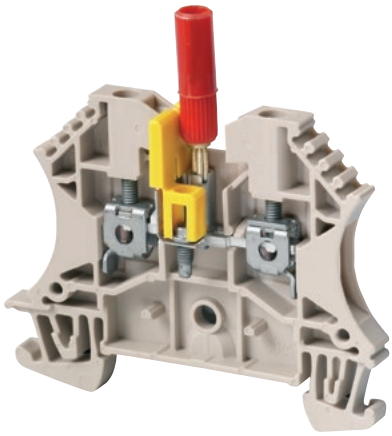
Any number of poles (extending)
Pre-fitted cross-connections can be set one after the other to produce any required number of poles.
To do so, arrange the last and first contact points of two identical WQVs so that they overlap.

- First, remove the fixing screw and screwdriver guide (insulated part) at one of the outer contact points of one of the WQVs.

- Then insert the WQV without fixing screw and insulated part. At the same time, insert an unmodified WQV in parallel so as to produce an overlap at the connection. The connection is screwed tight using the fixing screw of the unmodified WQV.

Routing 2 potentials in parallel
- In spite of only having 1 channel, the QV cross-connection system can still be used for offset cross-connections. See the photo “parallel bridging” (see on the next page).

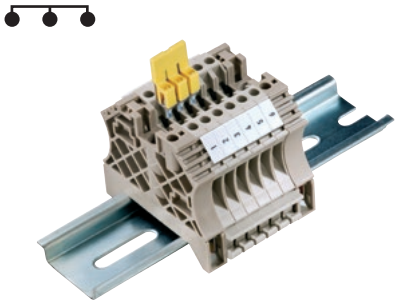
WQV in combination with a socket contact and test plug
- Remove the fixing screw and insulation part of the WQV. Screw the socket in at this point. This now makes it possible to integrate a safe test point.



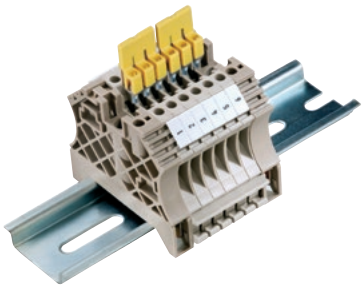
Potential distribution – possible combinations

In one cross-connection channel

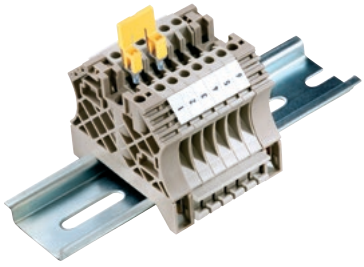
single



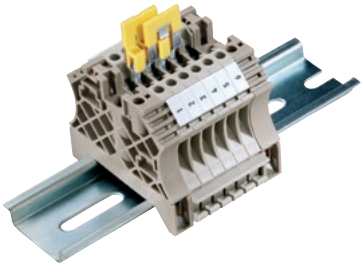
adjacent



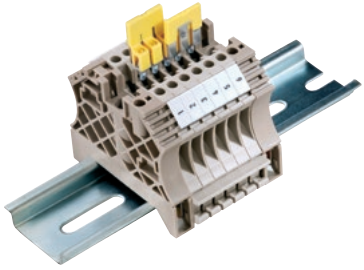
bridging



parallel/bridging



parallel/lengthening



Possible cross-connections of terminals of the same type with appropriate cross-connectors

Terminal type Standard	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
WDU 1.5/ZZ	WQV 2.5	•	•	•	•	•
WDU 1.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5/1.5/ZR	WQV 2.5	•	•	•	•	•
WDU 2.5 - WDU 35	WQV 2.5 - WQV 35	•	•	•	•	•
WDK 2.5...	WQV 2.5	•	•	•	•	•
WDK 2.5 PE	WQV 2.5	•	•	•	•	•
WDU 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDK 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5 F...	WQV 2.5	•	•	•	•	•
WDK 2.5 F...	WQV 2.5	•	•	•	•	•
WDU 4... - WDU 35...	WQV 4 - WQV 35	•	•	•	•	•
WDU 70/95	WQV 70/95	•	•			
WDU 120/150	WQV 120/150	•	•			
WDU 240	WQB 240	•	•			
Compact						
WDU 2.5N	WQV 2.5	•	•	•	•	•
WDU 2.5N 600V	WQV 2.5	•	•	•	•	•
WDU 16N	WQV 16N	•	•	•	•	•
WDU 35N	WQV 35N	•	•			
WDU 50N	WQV 50N	•	•			
WDU 70N	WQV 70N	•	•			
WDU 95N/120N	WQV 95N/120N	•	•			

WQV 2.5

Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
15-pin	
20-pin	
32-pin	
Note	

32

Type	Qty.	Order No.
WQV 2.5/2	50	1053660000
WQV 2.5/3	50	1053760000
WQV 2.5/4	50	1053860000
WQV 2.5/5	10	1053960000
WQV 2.5/6	10	1054060000
WQV 2.5/7	10	1054160000
WQV 2.5/8	10	1054260000
WQV 2.5/9	10	1054360000
WQV 2.5/10	20	1054460000
WQV 2.5/15	10	1059660000
WQV 2.5/20	10	1577570000
WQV 2.5/32	10	1577600000

WQV 4

41

Type	Qty.	Order No.
WQV 4/2	50	1051960000
WQV 4/3	50	1054560000
WQV 4/4	50	1054660000
WQV 4/5	10	1057860000
WQV 4/6	10	1057160000
WQV 4/7	10	1057260000
WQV 4/10	20	1052060000

WQV 6

57

Type	Qty.	Order No.
WQV 6/2	50	1052360000
WQV 6/3	50	1054760000
WQV 6/4	50	1054860000
WQV 6/5	50	1062660000
WQV 6/6	50	1062670000
WQV 6/7	50	1062680000
WQV 6/10	20	1052260000

WQV 35N

Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
15-pin	
20-pin	
32-pin	
Note	

125

Type	Qty.	Order No.
WQV 35N/2	20	1079200000
WQV 35N/3	20	1079300000
WQV 35N/4	20	1079400000

WQV 50N

150

Type	Qty.	Order No.
WQV 50N/2	5	1834060000
WQV 50N/3	5	1834070000
WQV 50N/4	5	1834080000
WQV 50N/5	5	2004960000
WQV 50N/5/3/1	5	1469080000

WQV 70N

192

Type	Qty.	Order No.
WQV 70N/2	5	9512240000
WQV 70N/3	5	9512250000
WQV 70N/4	5	9531290000
WQV 70N/5	5	2004950000
WQV 70N/5/3/1	5	1393020000

WQV 10

57

Type	Qty.	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000

WQV 16

101

Type	Qty.	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000

WQV 16N

101

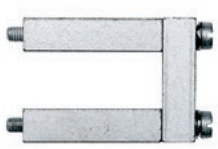
Type	Qty.	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000

WQV 35

138

Type	Qty.	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1055360000
WQV 35/4	50	1055460000
WQV 35/10	10	1053160000

WQV 70/95



232

Type	Qty.	Order No.
WQV 70/95/2	5	1063500000
WQV 70/95/3	5	1063600000

WQV 95N/120N

269

Type	Qty.	Order No.
WQV 95N/120N/2	5	1826890000
WQV 95N/120N/3	5	1826900000
WQV 95N/120N/4	5	1826910000
WQV 95N/120N/5/3/1	5	1469090000

WQV 120

269

Type	Qty.	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000

Screw connection with clamping-yoke technology (W-Series)
Accessories – Potential distribution

Screwable QV

Q AKZ 4 SS

Technical data	
current	A
Ordering data	
	2-pin
	3-pin
	4-pin
	10-pin
	20-pin
Note	

20

Type	Qty.	Order No.
Q 2 AKZ4SS	50	0369000000
Q 10 AKZ4SS	20	0369300000

Q / DLI

20

Type	Qty.	Order No.
Q 2 DLI	50	1312500000
Q 3 DLI	50	1312600000
Q 4 DLI	50	1312700000
Q 10 DLI	20	1313100000
Q 20 DLI	20	1399800000

Q AKZ 1.5

24

Type	Qty.	Order No.
Q 2 AKZ1.5	50	0368200000
Q 3 AKZ1.5	50	0368300000
Q 4 AKZ1.5	50	0368400000
Q 10 AKZ1.5	20	0368500000

Screwable QV

Q AKZ 4

Technical data	
current	A
Ordering data	
	2-pin
	3-pin
	4-pin
	10-pin
	20-pin
Note	

32

Type	Qty.	Order No.
Q 2 AKZ4	50	0336400000
Q 3 AKZ4	50	0336500000
Q 4 AKZ4	50	0336600000
Q 10 AKZ4	20	0368600000

Q / WDL

24

Type	Qty.	Order No.
Q 2 WDL2.5S	50	1071500000
Q 3 WDL2.5S	50	1071600000
Q 4 WDL2.5S	50	1071700000
Q 10 WDL2.5S	20	1071800000
Q 20 WDL2.5S	20	1074200000

Potential supply with cross-section reduction

Feed-in via output terminal

WDU 35

onto WDU 10

Technical data		to WDU 35	to WDU 10
Rated current	A	57	
Internal thread	-		
Tightening torque	-	0.6...1.2	
Ordering data			
	2-pin		
	3-pin		
Note			

Type	Qty.	Order No.
WQV 35-10	10	1068000000

WDU 35

onto WDU 2.5

to WDU 35	to WDU 10
41	
0.4...0.8	

Type	Qty.	Order No.
WQV 35-2.5	10	1064100000

WQV 70N-35

to

Type	Qty.	Order No.
WQV 70N-35	5	2462540000

Feed-in via output terminal

WDU 16

WDU 2.5

Technical data		to WDU 16	to WDU 2.5
Rated current	A	76	
Internal thread	-		
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pin	WQV 16-2.5	10	1063900000
	3-pin			

Note

WDU 16N

WDU 2.5

Technical data		to WDU 16	to WDU 2.5

Ordering data		Type	Qty.	Order No.
		WQV 16N-2.5	10	1073100000

Note

WDU 16N

WDU 4 / WDU 6

Technical data		to WDU 16N	to WDU 4 / 6
		57	

Ordering data		Type	Qty.	Order No.
		WQV 16N-4/6	10	1072500000

Note

Feed-in via output terminal

WDU 10

WDU 2.5

Technical data		to WDU 10	to WDU 2.5
Rated current	-		
Internal thread	-		
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pin	Q WDU10-2.5 SET	10	1859620000
	3-pin			

Note

WDU 6

WDU 2.5

Technical data		to WDU 6	to WDU 2.5

Ordering data		Type	Qty.	Order No.
		Q WDU6-2.5 SET	10	1859600000

Note

Note

Cross-connectors reducing the cross-section may not be used in ATEX applications.

Feed-in via output terminal

WDU 10

WDU 4

Technical data		to WDU 10	to WDU 4
Rated current	A		
Internal thread	-		
Tightening torque	-		

Ordering data		Type	Qty.	Order No.
	2-pin	Q WDU 10-4 SET	10	1859610000

Note

WDU 35

WDU 4 / WDU 6

Technical data		to WDU 35	to WDU 4 / 6

Ordering data		Type	Qty.	Order No.
		WQV 35-4/6	10	1064200000

Note

WDU 16

WDU 4 / WDU 6

Technical data		to WDU 16	to WDU 4 / 6

Ordering data		Type	Qty.	Order No.
		WQV 16-4/6	10	1064000000

Note

Test adapter

WTA 1

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Ordering data	
	1-pin
	with snap-in pegs
	10-pin
Note	

5 / / 66.1	
6	
IEC	**UL** **CSA**
250	0
6	0
1.5	LEER
0.5…1.5	
1…1.5 / 0.5…1.5	

Type	Qty.	Order No.
WTA 1 WDU1.5	25	1632290000
WTA 1/ZA WDU1.5	25	1632300000

WTA 2

5 / / 66.1	
6	
IEC	**UL** **CSA**
250	0
6	0
1.5	LEER
0.5…1.5	
1…1.5 / 0.5…1.5	

Type	Qty.	Order No.
WTA 2 WDU2.5-10	25	1632320000
WTA 2/ZA WDU2.5-10	25	1632330000
WTA 2/10 WDU2.5/10	5	1632340000

WTA 3

6 / / 66.1	
6	
IEC	**UL** **CSA**
250	0
6	0
1.5	LEER
0.5…1.5	
1…1.5 / 0.5…1.5	

Type	Qty.	Order No.
WTA 3 WDU4	25	1632350000
WTA 3/ZA WDU4	25	1632360000

Test adapter

WTA 6

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Ordering data	
	1-pin
	with snap-in pegs
	10-pin
Note	

5 / / 66.1	
6	
IEC	**UL** **CSA**
250	0
6	0
1.5	LEER
0.5…1.5	
1…1.5 / 0.5…1.5	

Type	Qty.	Order No.
WTA 6 WTR2.5	25	1632380000
WTA 6/ZA WTR2.5	25	1632390000

WTA 7

6 / / 68.15	
6	
IEC	**UL** **CSA**
250	0
6	0
1.5	LEER
0.5…1.5	
1…1.5 / 0.5…1.5	

Type	Qty.	Order No.
WTA 7 WSI6	25	1650210000

WTA 4N

5 / / 55		
6		
IEC	**UL**	**CSA**
250	0	
6	0	
1.5	LEER	
0.5…1.5		
1…1.5 / 0.5…1.5		

Type	Qty.	Order No.
WTA 4N WDK 2.5	25	**1878660000**
WTA 4N/ZA WDK 2.5	25	**1879350000**

WTA 5

5 / / 17		
8		
IEC	**UL**	**CSA**
250	0	
6	0	
0.75	LEER	
0.5…1		
1…1 / 0.5…1		

Type	Qty.	Order No.
WTA 5/1	25	**1051260000**
WTA 5/10	5	**1062060000**

Test adapter

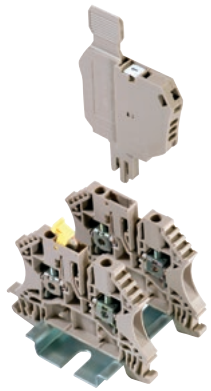
Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm²
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	-
Ordering data	
	beige
	green
Note	

WTA 8

6 / / 39		
IEC	**UL**	**CSA**
205	0	
6	0	
1.5	LEER	
0.5…2.5		

Type	Qty.	Order No.
WTA 8 TN	25	**1915450000**
WTA 8 KO-TN	25	**1915480000**

SIHA fuse holder



For 5x20 G-fuse cartridges
The SIHA fuse holder turns a test disconnect terminal into a fuse terminal in seconds: Simply remove the isolating lever and insert the fuse plug

- Simple handling – no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)
- Even fits on 5 mm wide terminals when fitted in offset arrangement
- Marking position for Dekafix 5 and space for self-adhesive label size 8/20

1. Open fuse holder with fingers or screwdriver

2. Press out old fuse

3. Position new fuse

4. Press fuse holder together again

SIHA 1

without LED		Qty.	Order No.
SIHA1/G20	400 V	1	9537550000
with LED (rot)			
SIHA1/G20	10 - 36 V	1	9537560000

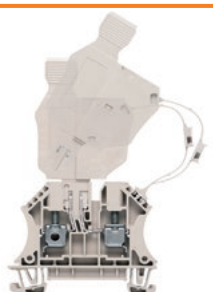
For test-disconnect terminal versions
WTR 2.5/ZZ

SIHA 3

without LED		Qty.	Order No.
SIHA3/G20	400 V	1	7921560000
with LED (rot)			
SIHA3/G20	10 - 36 V	1	7921570000
	35 - 70 V	1	7921580000
	60 - 150 V	1	7921590000
	140 - 250 V	1	7921600000

For test-disconnect terminal versions
WTR 4
WTR 4/ZZ
WTR 4/ZR
WTR 2,5

SIHA STRAP



with strap	Qty.	Order No.
SIHA STRAP	20	9537680000

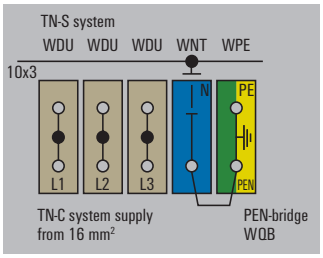
Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
- Integrated marking position on the strap
- Slots into fuse holder either left or right

PEN bridges

Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge joins separate PE and N conductors into one PEN conductor, creating the transition from a TN-S to a TN-C system.

Standard installation
Depending on the terminal type, inside or outside, PEN bridges are available for both PE and N conductor terminals from 10 mm². **Important!** For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

Building installation with N-conductor isolation
Special external cross-connections (WQB-PEN) are available for neutral conductor test-disconnect terminals (WNT). These establish contact between the NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



External PEN bridge

Inside PEN bridge

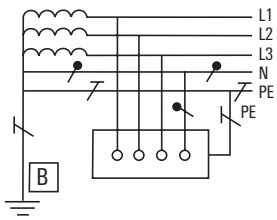
WQB-PEN ...

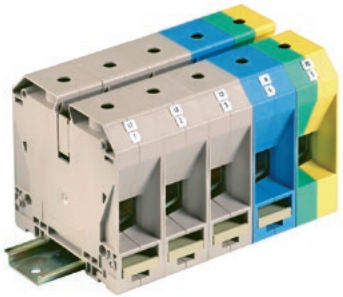
Type	Qty	Order No.	For terminal
with standard terminals			
WQB-PEN 10	10	**1060300000**	WPE 10 WDU 10 BL
WQB-PEN 16	10	**1060200000**	WPE 16 WDU 16 BL
WQB-PEN 35	10	**1060100000**	WPE 35 WDU 35 BL
with compact terminals			
WQB-PEN 16N	10	**1079600000**	WNT 16N WPE 16N
WQB-PEN 35N	10	**1079500000**	WNT 35N WPE 35N
WQB-PEN 70N	10	**1079700000**	WNT 70N WPE 70N

WQV ... -PEN

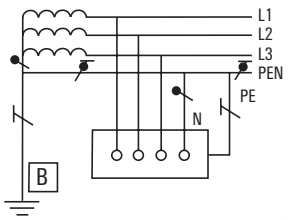
Typ	Qty	Order No.	For terminal
WQV 16N-PEN	10	**1071360000**	WPE 16N WDU 16N BL
WQV 70N-PEN	5	**9525840000**	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	**1072300000**	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	**1072400000**	WPE 120/150 WDU 120/150 BL
WQV 50N-PEN		**9201610000**	WPE 50N WDU 50N
WQV 95N/120N-PEN		**9201630000**	WPE 95N/120N WDU 95N/120N

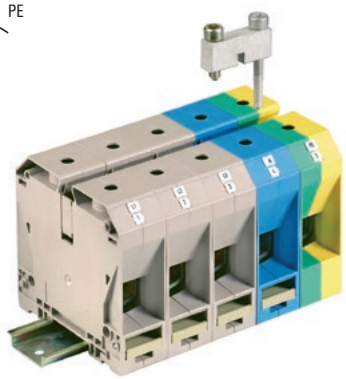
TN-S system:





TN-C system:





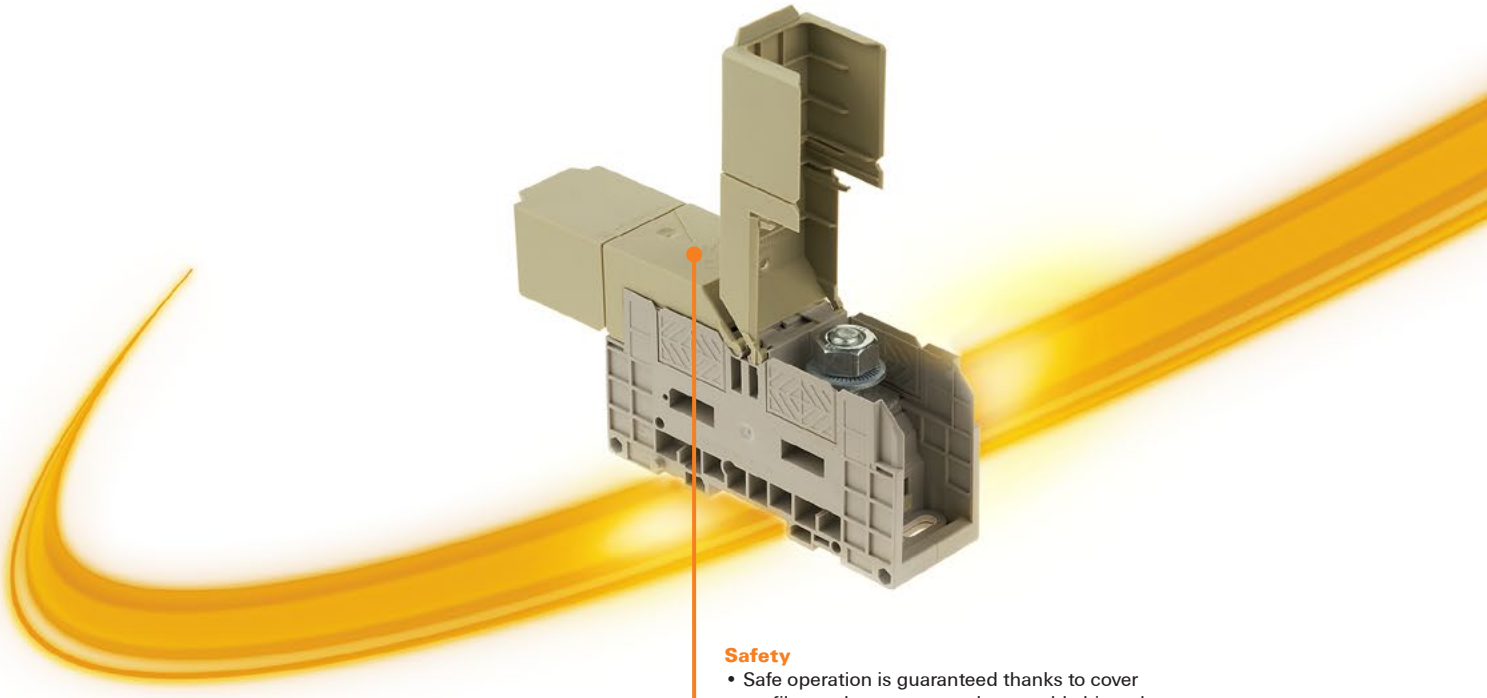
Robust connection for harsh conditions

Klippon® Connect offers maintenance-free contacts using stud technology

Whether it is the supply of high power levels to engines, quick and safe coupling of carriages, energy distribution in the carriages and parts thereof, traffic engineering in general, and high-speed trains especially, all pose real challenges for connectivity. For reliable power transfer in these challenging conditions, we offer series WF, WFF and ST 400 stud terminals. With crimped cable lugs, the conductors are laid on the threaded pins and securely connected together by tightening the hex nut to the required torque. The robust processing guarantees the ultimate in safety.

Our promise

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation.

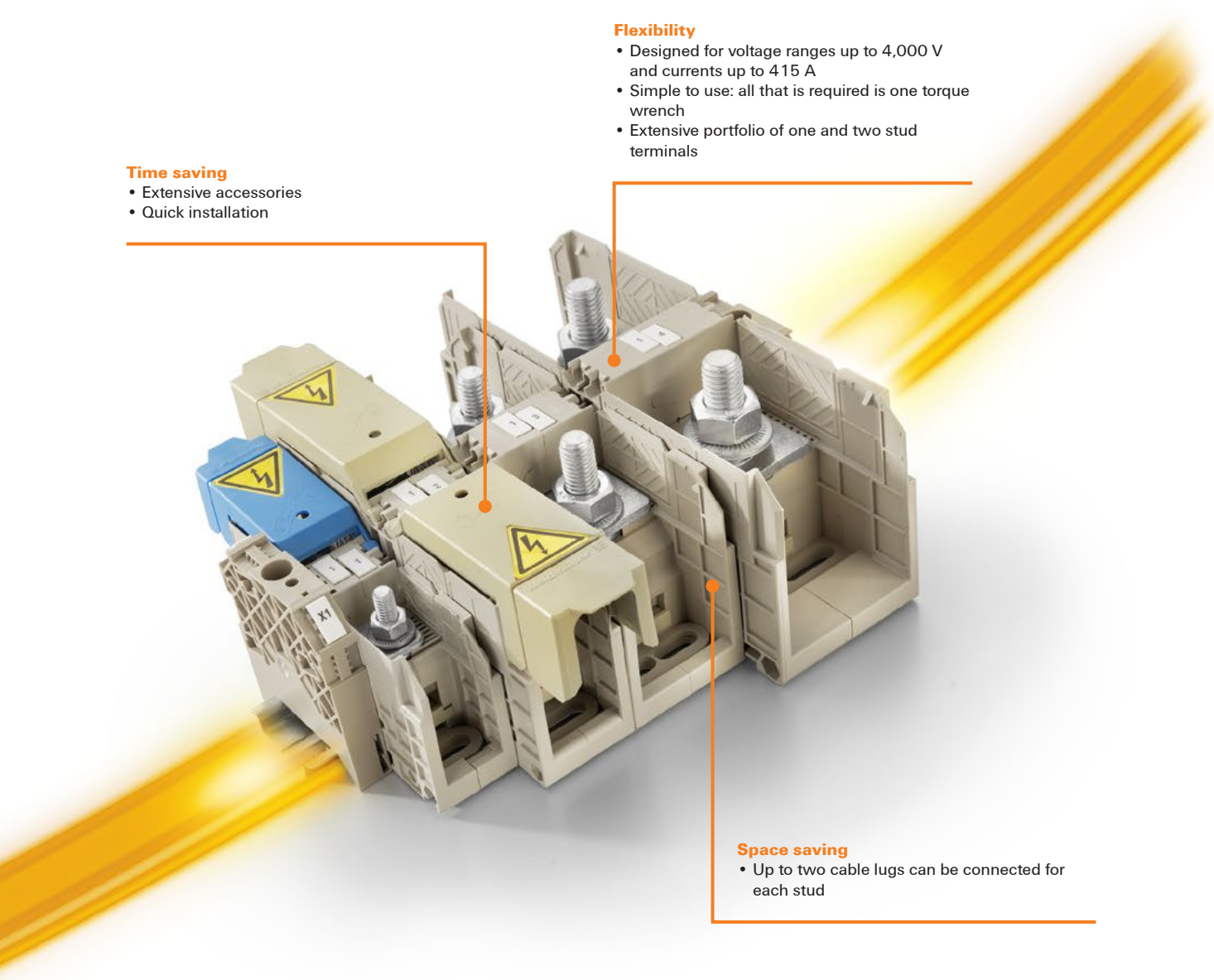


Safety

- Safe operation is guaranteed thanks to cover profiles or the snap-on and screwable hinged hoods
- All materials comply with the fire safety regulations found in DIN EN 45545
- All stud terminals are tested in line with the railway standards and made of self-extinguishing material

Flexibility
- Designed for voltage ranges up to 4,000 V and currents up to 415 A
- Simple to use: all that is required is one torque wrench
- Extensive portfolio of one and two stud terminals

Time saving
- Extensive accessories
- Quick installation



Space saving
- Up to two cable lugs can be connected for each stud

Overview

In all applications where reliable power transfer is key, our stud terminals are the safe solution.

Clever operating concept:
The WF and WFF stud terminal series are available as single and two-stud terminals. The option of a built-in folding hinged hood gives the two-stud terminals in the WFF-Series a particularly high level of safety.

Robust and high performance:
The ST 400 stud terminals, made of glass-fibre reinforced, flame resistant artificial resin for operating voltages of up to 4 kV, are specially designed for use on rail vehicles and tested to meet railway standards. They are perfect for applications with high requirements in terms of vibration and shock resistance.

Stud terminals

Power transmission
The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm² to 300 mm².

The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

All stud terminals are tested to international standards **(EN 60947-7-1, EN 50124-1, DIN EN 61373, EN 50343, DIN EN 45545-2, NFF 61-017)** and satisfy the requirements contained therein.

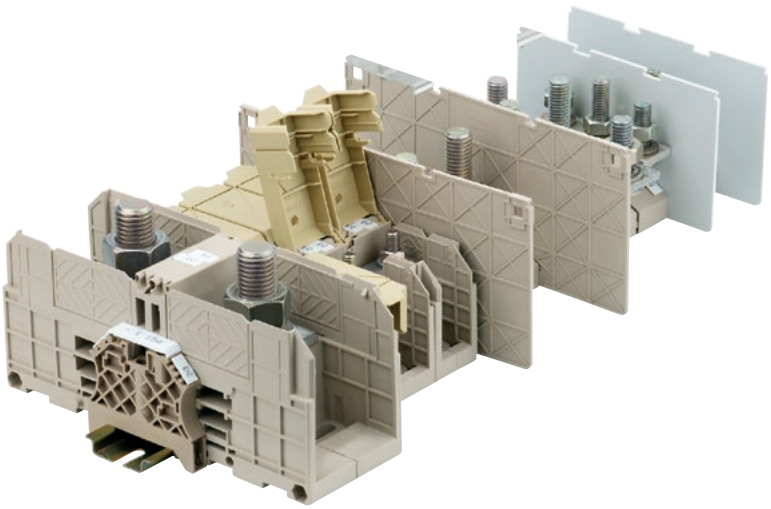
Handling
Cable lugs are crimped onto the cable lugs to connect the connectors. The cable lugs are placed between the washer on the clamp support and the lock washer on the bolt of the WF terminal. With the WFF stud terminals, the cable lugs contact directly to the current bar. Tightening the hexagon nut causes the cable lugs' flaps to press against one another – thereby creating a secure contact.

WF / WFF series
- For voltage ranges up to 1000 V
- For use with special epoxy resin partition plates even up to 2,300 V and 520 A

WF single-stud terminals
- Four connectors can be securely connected without a problem
- Three connectors even without compromising the rated data

WFF two-bolt terminals
- Two connectors can be reliably connected

Accessories
We offer an extensive range of accessories for our stud terminals. A detailed description is available on the accessory overview pages.

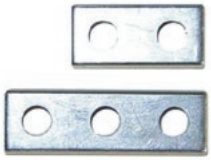


product overview

size of thread	M5	M6	M8	M10	M12	M16
single-stud terminals – WF	•	•	•	•	•	
twin-stud terminals – WF 2 BZ		•	•	•		
twin-stud terminals – WFF		•	•	•	•	•
twin-stud terminals – ST 4000 (up to 4000 V)			•	•	•	

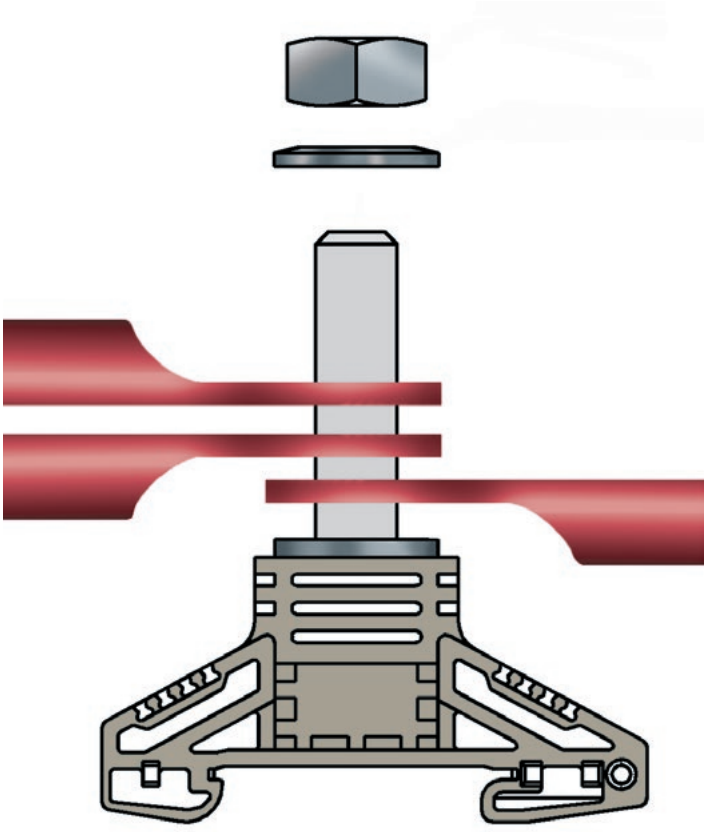
Stud connection
- Stud size M5 to M16
- Connector with cable lug according to DIN 46234 up to 240 mm² and DIN 46235 up to 300 mm²

Cross-connections
- Saves a great deal of time through fast potential distribution
- Can be used for all stud terminals
- 2, 3 and 4-pin variations available
- Potential distribution between different sizes possible (from WF6 to WF8 and to WF10)



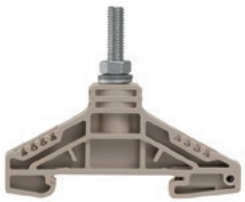
Simple operation
- The cable lugs are placed on the bolt using the washer
- The lock washer is placed on top
- A secure contact is established between the cable lugs by tightening the steel nuts

Clamp supports made of Wemid
- Non-tracking CTI 600
- Temperature-resistant up to 130°C
- Self-extinguishing V0 according to UL94
- Non-toxic
- No smoke emission in the event of fire
- Complies with the requirements set out in DIN EN 45545-2



Contact security
- Maintenance-free, no tightening of the nut necessary
- Resistant to vibrations and high contact force through lock washer

Safe operation
Touch-safe protection
- In the case of WF, through partition plates and transparent cover profiles
- In the case of WFF, with a lockable cover hood for each connection

	WF 5	WF 5 NFF
	16 mm²	16 mm²
	Screw thread M5	Screw thread M5
		
Width/Height/Depth mm	13 x 67 x 54.5	13 x 67 x 54.5
max. current / max. cond. cross-section A	**76 / 16**	**76 / 16**
Max. clamping range mm²	**0.1...16**	**0.1...16**

Technical data

Rated data with Wemid partition wall								
Rated voltage V	IEC 1000	UL 1000	CSA 1000	EN 60079-7	IEC 1000	UL	CSA	EN 60079-7
Rated current A	76	85	85		76			
for wire cross-section mm²	16	AWG 10...4	AWG 10...4		16			
Rated impulse withstand voltage / Pollution severity		8 kV / 3				8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0				/ V-0		
Approvals	CE EAC KCA				EAC			
Clamped cable lugs								
Cable lug to DIN 46234	0.1...16 mm²				0.1...16 mm²			
2 x cable lugs DIN 46 234	0.1...16 mm²							
Cable lug to DIN 46235	6...10 mm²				6...10 mm²			
2 x cable lugs DIN 46 235	6...10 mm²							
Tightening torque (clamping screw for copper conductors)	2...4 Nm /				3.7...4.5 Nm /			
Note	1000V UL and CSA for usage groups B and C can be used with isolating terminal rails and when using WTW WF6 1781220000 partitions.							

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige	WF 5	25	**1790130000**	WF 5 NFF	25	**1968990000**
Note	1000 V DC rated voltage passed with the WTW WF6 1781220000 partition plate.					

Accessories

Cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQL 2 WF5	101 A	5	**1812710000**	WQL 2 WF5	101 A	5	**1812710000**
3-pole	WQL 3 WF5		5	**1812740000**	WQL 3 WF5		5	**1812740000**
4-pole								
Auxiliary/control connection								
up to 4 mm², 32 A								
Partition plate								
dark beige	WTW WF6		20	**1781220000**	WTW WF6		20	**1781220000**
Beige epoxy resin	WTW WF6 2300		20	**1781230000**	WTW WF6 2300		20	**1781230000**
dark beige	WTW WF6-WF12		20	**1781240000**	WTW WF6-WF12		20	**1781240000**
End bracket								
dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Hood transparent								
Hood transparent 1000 mm	ADP WF6/WF8		1	**1780930000**	ADP WF6/WF8		1	**1780930000**
Holder for shrouding cover transparent								
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**	HA ADP WF6/WF10		10	**1781050000**
Busbar								
Identification systems	WS 12/5 MC NE WS		720	**1609860000**	WS 15/5 MC NE WS		480	**1609880000**
					DEK 5/6 MC NE WS		1000	**1609820000**
For detailed information on other accessories and application in the online catalogue	With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1				With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1			

WF 6 — 35 mm²

Screw thread M6

17.8 x 67 x 54.5
125 / 35
2.5...35

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
125	115	150	
35	AWG 14...2	AWG 14...2	
	8 kV / 3		
	/ V-0		
2.5...35 mm²			
2.5...35 mm²			
6...25 mm²			
6...25 mm²			
3...6 Nm /			

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 6	25	1780850000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	1780970000
WQL 3 WF6	125 A	5	1780980000
WZAF 35		10	1070500000
WTW WF6		20	1781220000
WTW WF6 2300		20	1781230000
WTW WF6-WF12		20	1781240000
WEW 35/2		100	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 10/6 MC NE WS		600	1828450000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 6 NFF — 35 mm²

Screw thread M6

17.8 x 67 x 54.5
125 / 35
2.5...35

IEC	UL	CSA	EN 60079-7
1000			
125			
35			
	8 kV / 3		
	/ V-0		
2.5...35 mm²			
6...35 mm²			
5.8...7 Nm /			

Type	Qty.	Order No.
WF 6 NFF	25	1969000000

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	1780970000
WQL 3 WF6	125 A	5	1780980000
WZAF 35		10	1070500000
WTW WF6		20	1781220000
WTW WF6 2300		20	1781230000
WTW WF6-WF12		20	1781240000
WEW 35/2		100	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 15/5 MC NE WS		480	1609880000
DEK 5/6 MC NE WS		1000	1609820000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 8 — 50 mm²

Screw thread M8

22.8 x 67 x 63.5
150 / 50
2.5...50

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150	150	200	
50	AWG 14...0	AWG 14...0	
	8 kV / 3		
	/ V-0		
2.5...50 mm²			
2.5...50 mm²			
6...35 mm²			
6...35 mm²			
6...12 Nm /			

The WQL 2 for WF 6 on the WF 8 is available under Order no. 1808980000.

Type	Qty.	Order No.
WF 8	25	1780860000

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	1780990000
WQL 3 WF8	150 A	5	1781000000
WZAF 70		10	1066200000
WTW WF8		20	1780900000
WTW WF8 2300		20	1780910000
WEW 35/2		100	1061200000
ADP WF6/WF8		1	1780930000
HA ADP WF6/WF10		10	1781050000
WS 10/6 MC NE WS		600	1828450000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

	WF 8 NFF	WF 10
	50 mm²	120 mm²
	Screw thread M8	Screw thread M10
Width/Height/Depth mm	22.8 x 67 x 63.5	33.8 x 67 x 72.5
max. current / max. cond. cross-section A	**150 / 50**	**269 / 120**
Max. clamping range mm²	**2.5...50**	**6...120**

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	150	269	320	
for wire cross-section mm²	50	120	AWG 10...250	AWG 10...250
Rated impulse withstand voltage / Pollution severity	8 kV / 3		8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0		/ V-0	
Approvals	EAC	CE GL cULus EAC KEUR		
Clamped cable lugs				
Cable lug to DIN 46234	2.5...50 mm²	6...120 mm²		
2 x cable lugs DIN 46 234		6...120 mm²		
Cable lug to DIN 46235	6...35 mm²	10...95 mm²		
2 x cable lugs DIN 46 235		10...95 mm²		
Tightening torque (clamping screw for copper conductors)	15...18 Nm /	10...20 Nm /		
Note		The WQL 2 for WF 6 on the WF 10 is available under Order no. 1806620000.		

Ordering data

Version	Type	Qty.	Order No.
dark beige	WF 8 NFF	25	**1968960000**
Note			

Type	Qty.	Order No.
WF 10	20	**1780870000**

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

Accessories

Cross-connection	Type	current	Qty.	Order No.
2-pole	WQL 2 WF8	150 A	5	**1780990000**
3-pole	WQL 3 WF8	150 A	5	**1781000000**
4-pole				
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 70		10	**1066200000**
Partition plate				
dark beige	WTW WF8		20	**1780900000**
Beige epoxy resin	WTW WF8 2300		20	**1780910000**
dark beige				
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF6/WF8		1	**1780930000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Busbar				
Identification systems				
	WS 15/5 MC NE WS		480	**1609880000**
	DEK 5/6 MC NE WS		1000	**1609820000**

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	**1781010000**
WQL 3 WF10	265 A	5	**1781020000**
WQL 4 WF10		5	**1027840000**
WZAF 120		10	**1066300000**
WTW WF10/WF12		20	**1780890000**
WTW WF10/WF12 2300		20	**1780920000**
WEW 35/2		100	**1061200000**
ADP WF10/WF12		1	**1780940000**
HA ADP WF6/WF10		10	**1781050000**
WS 10/6 MC NE WS		600	**1828450000**

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 10 NFF — 120 mm²

Screw thread M10

33.8 x 67 x 72.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/ V-0		
EAC			
6...120 mm²			
10...95 mm²			
30...36 Nm /			

The WQL 2, for WF 6 on WF 10, is available under order no. 180662000.

Type	Qty.	Order No.
WF 10 NFF	20	1968950000

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	1781010000
WQL 3 WF10	265 A	5	1781020000
WQL 4 WF10		5	1027840000
WZAF 120		10	1066300000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000
SMSE WF10/2XM6		10	1868880000
WS 15/5 MC NE WS		480	1609880000
DEK 5/6 MC NE WS		1000	1609820000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 12 — 120 mm²

Screw thread M12

33.8 x 67 x 70.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10...250	AWG 10...250	
	8 kV / 3		
	/ V-0		
CE GR EAC KCA			
6...120 mm²			
6...120 mm²			
10...95 mm²			
10...95 mm²			
14...31 Nm /			

Type	Qty.	Order No.
WF 12	20	1780880000

1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	1781030000
WQL 3 WF12	265 A	5	1781040000
WZAF 185		10	1066400000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000
WS 10/6 MC NE WS		600	1828450000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

WF 12 NFF — 120 mm²

Screw thread M12

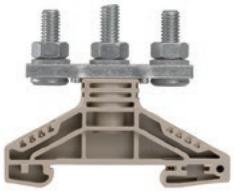
33.8 x 67 x 70.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/ V-0		
EAC			
6...120 mm²			
10...95 mm²			
50...60 Nm /			

Type	Qty.	Order No.
WF 12 NFF	20	1968940000

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	1781030000
WQL 3 WF12	265 A	5	1781040000
WZAF 185		10	1066400000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000
SMSE WF10/2XM6		10	1868880000
WS 15/5 MC NE WS		480	1609880000
DEK 5/6 MC NE WS		1000	1609820000

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

	WF 6/2BZ	WF 8/2BZ
	35 mm²	50 mm²
	Screw thread M6	Screw thread M8
		
Width/Height/Depth mm	17.8 x 67 x 54.5	22.8 x 67 x 63.5
max. current / max. cond. cross-section A	**125 / 35**	**150 / 50**
Max. clamping range mm²	**2.5...35**	**2.5...50**

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	125	115	115	
for wire cross-section mm²	35	AWG 2	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				
Clamped cable lugs				
Cable lug to DIN 46234	2.5...35 mm²			
2 x cable lugs DIN 46 234	2.5...35 mm²			
Cable lug to DIN 46235	6...25 mm²			
2 x cable lugs DIN 46 235	6...25 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7
Rated voltage V	1000	1000	1000	
Rated current A	150	150	150	
for wire cross-section mm²	50	AWG 0	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0		
Approvals				
Clamped cable lugs				
Cable lug to DIN 46234	2.5...50 mm²			
2 x cable lugs DIN 46 234	2.5...50 mm²			
Cable lug to DIN 46235	6...35 mm²			
2 x cable lugs DIN 46 235	6...35 mm²			
Tightening torque (clamping screw for copper conductors)				
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WF 6/2BZ	25	**1789770000**
Note	1000 VDC rated voltage tested.		

Version	Type	Qty.	Order No.
dark beige	WF 8/2BZ	25	**1789780000**
Note	1000 VDC rated voltage tested.		

Accessories

Cross-connection	Type	current	Qty.	Order No.
2-pole	WQL 2 WF6	125 A	5	**1780970000**
3-pole	WQL 3 WF6	125 A	5	**1780980000**
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 35		10	**1070500000**
Partition plate				
dark beige	WTW WF10/WF12		20	**1780890000**
Beige epoxy resin	WTW WF6 2300		20	**1781230000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF10/WF12		1	**1780940000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Identification systems				
	WS 12/5 MC NE WS		720	**1609860000**

Cross-connection	Type	current	Qty.	Order No.
2-pole	WQL 2 WF8	150 A	5	**1780990000**
3-pole	WQL 3 WF8	150 A	5	**1781000000**
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 70		10	**1066200000**
Partition plate				
dark beige	WTW WF10/WF12		20	**1780890000**
Beige epoxy resin	WTW WF8 2300		20	**1780910000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Hood transparent				
Hood transparent 1000 mm	ADP WF10/WF12		1	**1780940000**
Holder for shrouding cover transparent				
Holder for shrouding cover, transparent	HA ADP WF6/WF10		10	**1781050000**
Identification systems				
	WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

WF 10/2BZ — 120 mm²

Screw thread M10

33.8 x 87.6 x 72.5
269 / 120
6...120

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	230	230	
120	AWG 0	AWG 26...12	
	8 kV / 3		
	/ V-0		
6...120 mm²			
6...120 mm²			
10...95 mm²			
10...95 mm²			

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

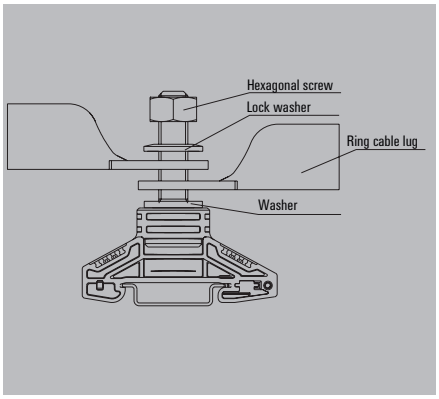
Type	Qty.	Order No.
WF 10/2BZ	10	1789790000

1000 VDC rated voltage tested.

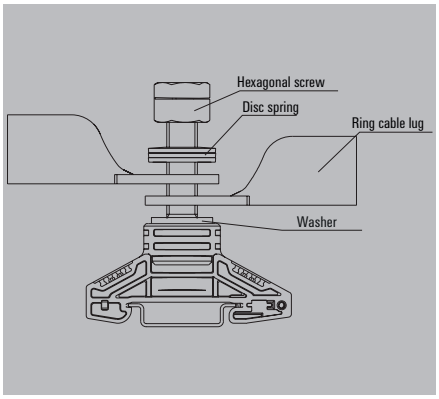
Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	1781010000
WQL 3 WF10	265 A	5	1781020000
WZAF 120		10	1066300000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

With WTW...2300 made from epoxy resin, rated current 1500 V up to 70 mm² according to DIN EN 50124 pt 1

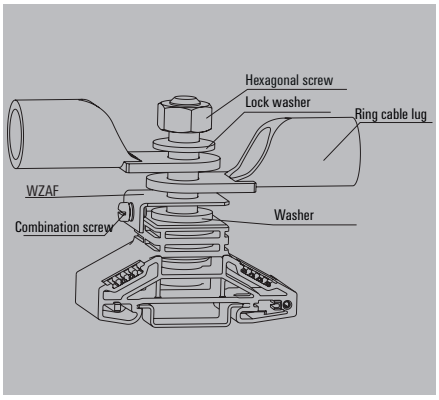
Stud connection series WF



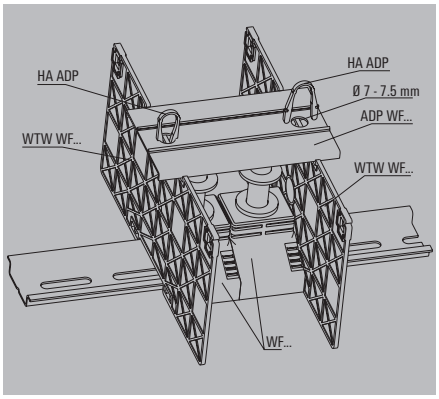
Stud connection series WF NFF



Auxiliary/control line connection WZAF



Application example



Structure to use cover profiles (ADP WF) on the partition plates (WTW WF) with the relevant holders (HA ADP).

Drilled holes for cover profiles 7–7.5 mm

	WFF 35	WFF 35 NFF
	35 mm²	35 mm²
	Screw thread M6	Screw thread M6
Width/Height/Depth mm	27 x 107 x 51	27 x 107 x 51
max. current / max. cond. cross-section A/mm²	150 / 50	125 / 50
Max. clamping range mm²	2.5...50	2.5...50

Technical data

Rated data with Wemid partition wall							
		WFF 35				WFF 35 NFF	
		Ex e II II 2 G D					
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	1000	1000	600	1100	500			
Rated current	A	125	115	130	109	125			
for wire cross-section	mm²	35	AWG 14...2	AWG 14...2	35 mm²	35			
Rated impulse withstand voltage / Pollution severity				8 kV / 3					
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0				/ V-0	
Approvals					KEMA 98ATEX1684 U				
Clamped cable lugs									
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234		2.5...50 mm² / 2.5...35 mm²				2.5...50 mm² /			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235		6...25 mm² / 6...25 mm²							
Tightening torque (clamping screw for copper conductors)		3...6 Nm /				5.8...7 Nm /			
Note		1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.							

Ordering data

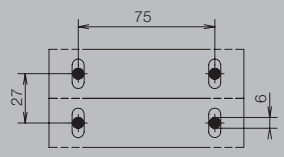
Version		WFF 35			WFF 35 NFF		
		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	WFF 35	10	1028300000	WFF 35 NFF	5	1049220000
	dark beige	WFF 35/AH	5	1029300000			
	blue	WFF 35 BL	10	1028380000			
Note		1000 VDC rated voltage tested.					

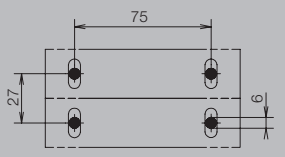
Accessories

		WFF 35			WFF 35 NFF		
		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Cross-connection									
	2-pole	WQL 2 WFF35	150 A	5	1064900000	WQL 2 WFF35	150 A	5	1064900000
	3-pole	WQL 3 WFF35	150 A	5	1065400000	WQL 3 WFF35	150 A	5	1065400000
Auxiliary/control connection									
	up to 4 mm², 32 A	WZAF 35		10	1070500000	WZAF 35		10	1070500000
Partition plate									
	dark beige	WTW WFF35		10	1067100000	WTW WFF35		10	1067100000
End bracket									
	dark beige	WEW 35/1		50	1059000000	WEW 35/1		50	1059000000
Cover hood									
	Hood, dark beige Wemid	WAH 35		20	1064460000	WAH 35		20	1064460000
Identification systems									
	Warning triangle for power supply terminals	WD 1 25 K KARTE A 6 ST		30	1563900000	WD 1 25 K KARTE A 6 ST		30	1563900000
		WS 12/6.5 MC NE WS		540	1609920000	WS 12/6.5 MC NE WS		540	1609920000
For detailed information on other accessories and application in the online catalogue		WAH 35 in blue, Order no. 1064480000				WAH 35 in blue, Order no. 1064480000			

Technical drawing

Drilling template for direct mounting

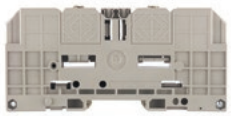




Fixing screw for direct mounting	Order No.
M6 x 16	1063700000

WFF 70 — 70 mm²

Screw thread M8



31.8 x 132 x 61
232 / 95
2.5...95

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
192	175	170	167
70	AWG 14...0	AWG 14...0	70 mm²
	8 kV / 3		
	/ V-0		
			KEMA 98ATEX1684 U
2.5...95 mm² / 2.5...70 mm²			
16...70 mm² / 16...70 mm²			
6...12 Nm /			

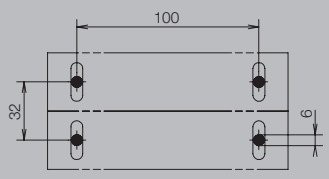
When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm², the rated voltage is reduced to 800 V.

Type	Qty.	Order No.
WFF 70	10	1028400000
WFF 70/AH	5	1029400000
WFF 70 BL	10	1028480000

1000 V DC rated voltage tested. 1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

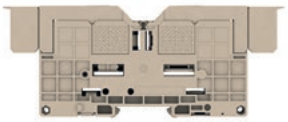
Type	current	Qty.	Order No.
WQL 2 WFF70	232 A	5	1065000000
WQL 3 WFF70	232 A	5	1065500000
WZAF 70		10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 70 in blue, Order no. 1064580000



WFF 70 NFF — 70 mm²

Screw thread M8



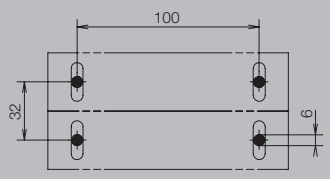
32 x 132 x 61
192 / 95
2.5...95

IEC	UL	CSA	EN 60079-7
500			
192			
70			
	/ V-0		
2.5...95 mm² /			
15...18 Nm /			

Type	Qty.	Order No.
WFF 70 NFF	5	1049230000

Type	current	Qty.	Order No.
WQL 2 WFF70	232 A	5	1065000000
WQL 3 WFF70	232 A	5	1065500000
WZAF 70		10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 70 in blue, Order no. 1064580000



WFF 120 — 120 mm²

Screw thread M10

42 x 132 x 72
309 / 150
6...150

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	310	310	234
120	AWG 10...250	AWG 10...250	120 mm²
	8 kV / 3		
	/ V-0		
			KEMA 98ATEX1684 U
6...150 mm² / 6...120 mm²			
16...150 mm² / 16...120 mm²			
10...20 Nm /			

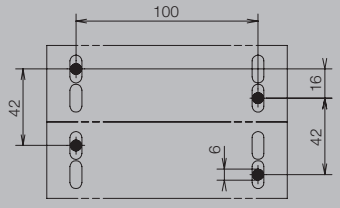
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

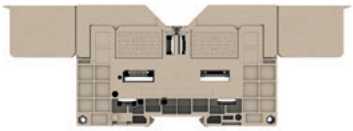
Type	Qty.	Order No.
WFF 120	5	1028500000
WFF 120/AH	4	1029500000
WFF 120 BL	5	1028580000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF120	309 A	5	1065100000
WQL 3 WFF120	309 A	5	1065600000
WZAF 120		10	1066300000
WTW WFF120		10	1067300000
WEW 35/1		50	1059000000
WAH 120		20	1064660000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 120 in blue, order No. 1064680000



	WFF 120 NFF	WFF 185
	120 mm²	185 mm²
	Screw thread M10	Screw thread M12
		
Width/Height/Depth mm	42 x 132 x 72.5	55 x 163 x 77.5
max. current / max. cond. cross-section A/mm²	269 / 150	415 / 240
Max. clamping range mm²	6...150	10...240

Technical data

Rated data with Wemid partition wall				
Rated voltage V	IEC 500	UL	CSA	EN 60079-7
Rated current A	269			
for wire cross-section mm²	120			
Rated impulse withstand voltage / Pollution severity				
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals				
Clamped cable lugs				
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	6...150 mm² /			
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235				
Tightening torque (clamping screw for copper conductors)	30...36 Nm /			
Note				

	IEC 60947-7-1		Ex e II	II 2 G D
	IEC	UL	CSA	EN 60079-7
	1000	1000	600	1100
	353	380	360	307
	185	AWG 8...500	AWG 8...500	185 mm²
			8 kV / 3	
			/ V-0	
				KEMA 98ATEX1684 U
	10...240 mm² / 10...185 mm²			
	25...240 mm² / 25...185 mm²			
	14...31 Nm /			
	1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Ordering data

Version	Type	Qty.	Order No.
dark beige	WFF 120 NFF	4	1049240000
dark beige			
blue			
Note			

Type	Qty.	Order No.
WFF 185	4	1028600000
WFF 185/AH	2	1029600000
WFF 185 BL	4	1028680000
1000 VDC rated voltage tested.		

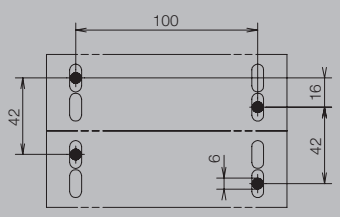
Accessories

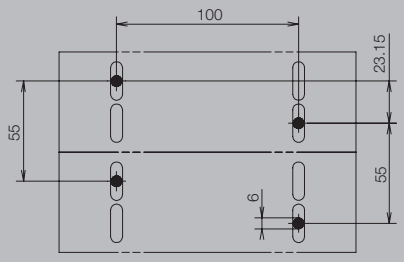
Cross-connection	Type	current	Qty.	Order No.
2-pole	WQL 2 WFF120	309 A	5	1065100000
3-pole	WQL 3 WFF120	309 A	5	1065600000
Auxiliary/control connection				
up to 4 mm², 32 A	WZAF 120		10	1066300000
Partition plate				
dark beige	WTW WFF120		10	1067300000
End bracket				
dark beige	WEW 35/1		50	1059000000
Cover hood				
Hood, dark beige Wemid	WAH 120		20	1064660000
Identification systems				
Warning triangle for power supply terminals	WD 1 25 K KARTE A 6 ST		30	1563900000
	WS 12/6.5 MC NE WS		540	1609920000
For detailed information on other accessories and application in the online catalogue	WAH 120 in blue, order No. 1064680000			

Type	current	Qty.	Order No.
WQL 2 WFF185	415 A	5	1065200000
WQL 3 WFF185	415 A	5	1065700000
WZAF 185		10	1066400000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000
WAH 185/300 in blue, Order no. 1064780000			

Technical drawing

Drilling template for direct mounting





Fixing screw for direct mounting	Order No.
M6 x 16	1063700000

WFF 185 NFF — 185 mm²

Screw thread M12

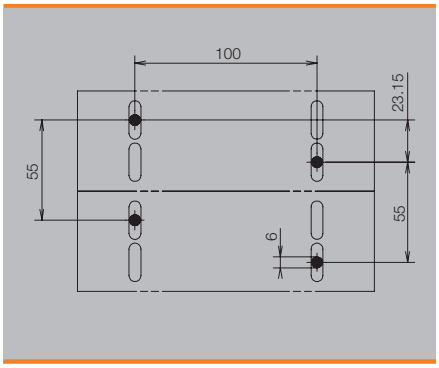
55 x 163 x 77.2
353 / 240
10...240

IEC	UL	CSA	EN 60079-7
500			
353			
185			
	/ V-0		
EAC			
10...240 mm² /			
50...60 Nm /			

Type	Qty.	Order No.
WFF 185 NFF	2	1049250000

Type	current	Qty.	Order No.
WQL 2 WFF185	415 A	5	1065200000
WQL 3 WFF185	415 A	5	1065700000
WZAF 185		10	1066400000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 185/300 in blue, Order no. 1064780000



WFF 300 — 300 mm²

Screw thread M16

55 x 163 x 85.5
520 / 300
25...300

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
520	500	510	452
300	AWG 6...600	AWG 6...600	300 mm²
		8 kV / 3	
		/ V-0	
			KEMA 98ATEX1684 U
25...240 mm² / 25...240 mm²			
50...300 mm² / 50...240 mm²			
25...60 Nm /			

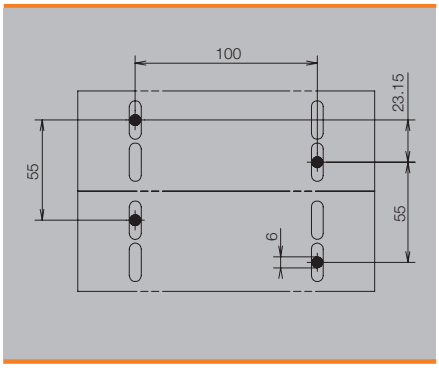
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WFF 300	4	1028700000
WFF 300/AH	2	1029700000

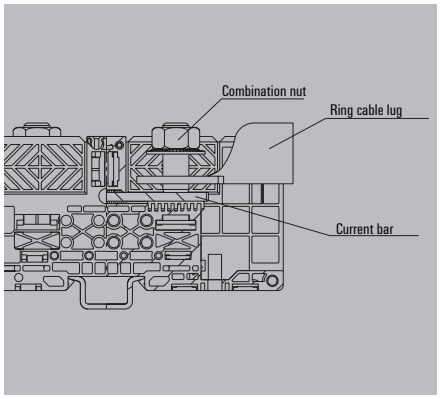
1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF300	520 A	5	1065300000
WQL 3 WFF300	520 A	5	1065800000
WZAF 300		10	1066500000
WTW WFF185/300		10	1067400000
WEW 35/1		50	1059000000
WAH 185/300 BE		10	1064760000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

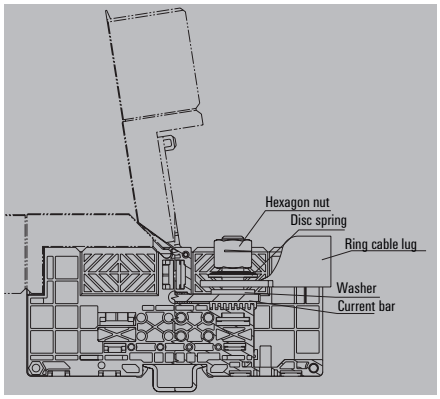
WAH 185/300 in blue, Order no. 1064780000



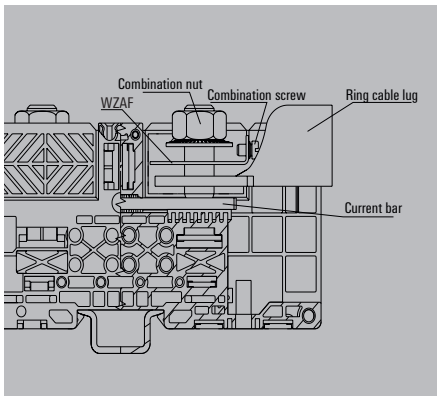
Stud connection series WFF



Stud connection series WFF NFF

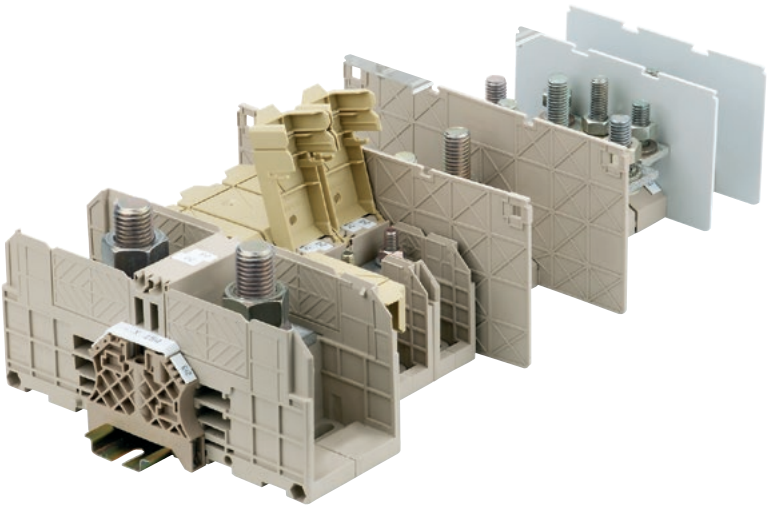


Auxiliary/control line connection WZAF



Stud terminals – Accessories

Series WF and WFF



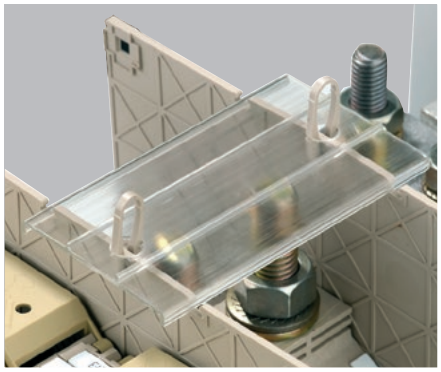
Electrical distribution

Electrical distribution can be realised between neighbouring stud terminals easily with 2 and 3 poles cross-connections. Cross-connections are also available for different thread sizes from M6 to M8 or M10. In the WFF two-stud terminals, firstly the partition plates have to be removed between the clamped supports. The thin web of material means they can be broken out easily to fit.

Shock protection

The two-stud terminals in the WF-Series offer, with an integrated hinge cover, a high degree of finger safety. When closed, the cover locks onto the terminal and protects the contact from accidental contact.

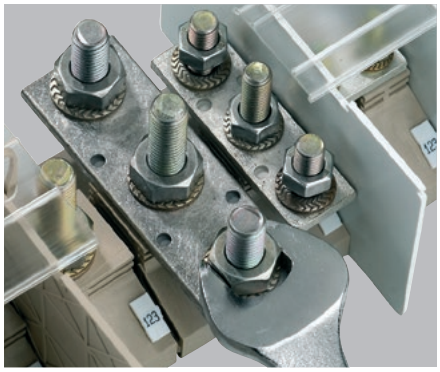
Shock protection / partition plates



Shock protection in the WF-Series is provided by partition plates WTW and transparent cover strips ADP. The cover strips are locked into the guides of the partition plates and held with clips to prevent them slipping to the side. Partition plates ensure compliance with the rated voltages:

- Voltage range up to 1000 V with partition plate WTW WF
- Voltage range up to 2300 V for WF with epoxy partition plate WTW WF 2300

Connection



Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. A normal open-ended spanner can be used to tighten the hex screw and complete installation.

Potential distribution from stud terminal blocks M10 to 2 x M6

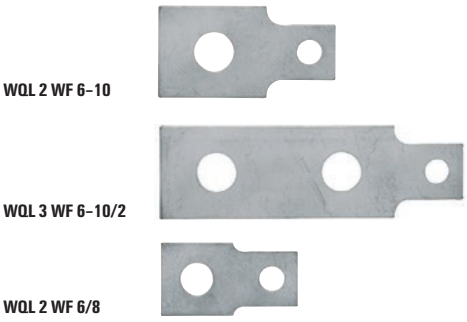
The potential distribution between adjacent stud terminal blocks can be implemented simply using 2- and 3-pole cross-connections, please consult products in the stud terminal chapter.
Reduced cross-sections are required for special applications. These so-called cross-connection lugs are offered accordingly for varying thread sizes from M6 to M10 with a wide range of combinations.

Ordering data

Type	Qty.	Order No.
SMSE WF10/2XM6	10	1868880000

Note	
	Hole diameter: 10 mm for M10 studs Stud terminals: WF 10... and WFF 120. The rated current is dependent on the test set-up.

WQL special cross-connection lugs for WF



Ordering data

Type	Depth	current	Clamping screw	Terminal screw, additional connection	Qty.	Order No.
WQL 2 WF6-10	4 mm	125 A	M 6	M 10	5	1806620000
WQL 3 WF6-10/2	4 mm	125 A	M 6	M 10	5	1806640000
WQL 2 WF6-8	4 mm	125 A	M 6	M 8	5	1808980000
WQL 4 WF8-6/3	4 mm	24 A	M 8	M 6	5	1904960000
Note						

Screw connection with stud technology
Accessories

WF - cross-connections for WF and WFF

Type	Poles	current	Qty.	Order No.
WF 5				
WQL 2 WF5	2	101 A	5	**1812710000**
WQL 3 WF5	3	101 A	5	**1812740000**
WF 6 & WF 6/2BZ				
WQL 2 WF6	2	125 A	5	**1780970000**
WQL 3 WF6	3	125 A	5	**1780980000**
WF 8 & WF 8/2BZ				
WQL 2 WF8	2	150 A	5	**1780990000**
WQL 3 WF8	3	150 A	5	**1781000000**
WF 10 & WF 10/2BZ				
WQL 2 WF10	2	265 A	5	**1781010000**
WQL 3 WF10	3	265 A	5	**1781020000**
WQL 4 WF10	4	265 A	5	**1027840000**
WF 12				
WQL 2 WF12	2	265 A	5	**1781030000**
WQL 3 WF12	3	265 A	5	**1781040000**
WFF 35				
WQL 2 WFF35	2	150 A	5	**1064900000**
WQL 3 WFF35	3	150 A	5	**1065400000**
WFF 70				
WQL 2 WFF70	2	232 A	5	**1065000000**
WQL 3 WFF70	3	232 A	5	**1065500000**
WFF 120				
WQL 2 WFF120	2	309 A	5	**1065100000**
WQL 3 WFF120	3	309 A	5	**1065600000**
WFF 185				
WQL 2 WFF185	2	415 A	5	**1065200000**
WQL 3 WFF185	3	415 A	5	**1065700000**
WFF 300				
WQL 2 WFF300	2	520 A	5	**1065300000**
WQL 3 WFF300	3	520 A	5	**1065800000**

WF-Series partition plates

Type	Colour	Width	Qty.	Order No.
WTW WF6-WF12	Dark Beige	2.5 mm	20	**1781240000**
WTW WF6	Dark Beige	3 mm	20	**1781220000**
WTW WF8	Dark Beige	3 mm	20	**1780900000**
WTW WF10/WF12	Dark Beige	3 mm	20	**1780890000**

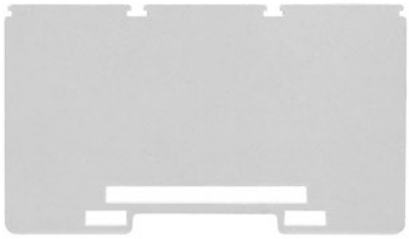
WFF-Series partition plates

Type	Colour	Width	Qty.	Order No.
WTW WFF35	Dark Beige	2 mm	10	**1067100000**
WTW WFF70	Dark Beige	2 mm	10	**1067200000**
WTW WFF120	Dark Beige	2 mm	10	**1067300000**
WTW WFF185/300	Dark Beige	2 mm	10	**1067400000**

WFF series cover hoods

Type	Colour	Width	Qty.	Order No.
WAH 35	Beige	26 mm	20	1064460000
WAH 70 BE	Beige	31 mm	20	1064560000
WAH 120	Beige	41 mm	20	1064660000
WAH 185/300 BE	Beige	54 mm	10	1064760000

WF-Series 2300 V partition plates



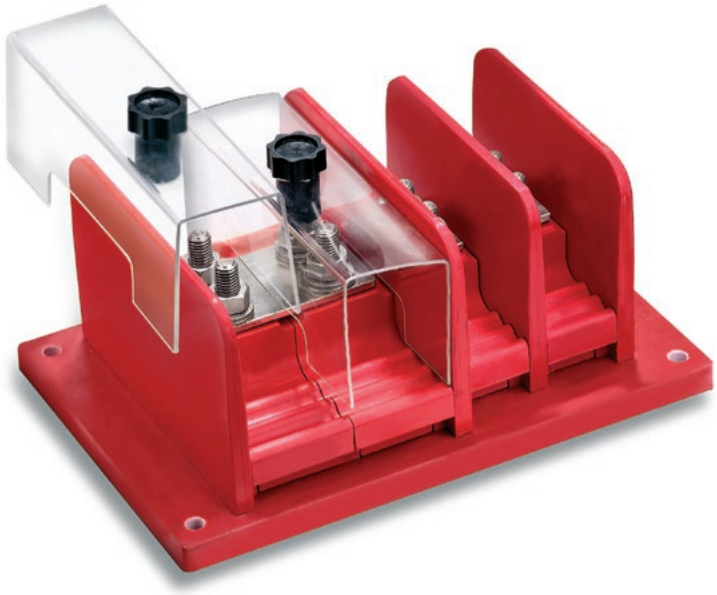
Type	Colour	Width	Qty.	Order No.
WTW WF6 2300	Grey	2 mm	20	1781230000
WTW WF8 2300	Grey	2 mm	20	1780910000
WTW WF10/WF12 2300	Grey	2 mm	20	1780920000

Warning triangle for power supply terminal blocks

Type	Colour	Width	Qty.	Order No.
WD 1 25 K KARTE A 6 ST		20.5 mm	30	1563900000

Stud terminals

Series ST 4000



For especially high electric and mechanical demands

- Voltage ranges up to 4000 V and currents up to 415 A
- For extreme requirements, especially in railway applications

Shock protection

Stud terminals in the ST 4000 series offer an ideal cover for every version. The polycarbonate cover is placed between the partition plates and fastened to the stud with the plastic-coated fixing nut.

Fixing nuts are available to fit every stud size.

Potential distribution

When two neighbouring ST 4000 terminals have the same current, cross-connectors are fitted instead of the busbar.

The pairs of holes in the cross-connection are rated exactly to the spacing of ST 4000.

Here the partition plate has to be replaced by the connecting piece ST 4000/S C130 or ST 4000/L C160.

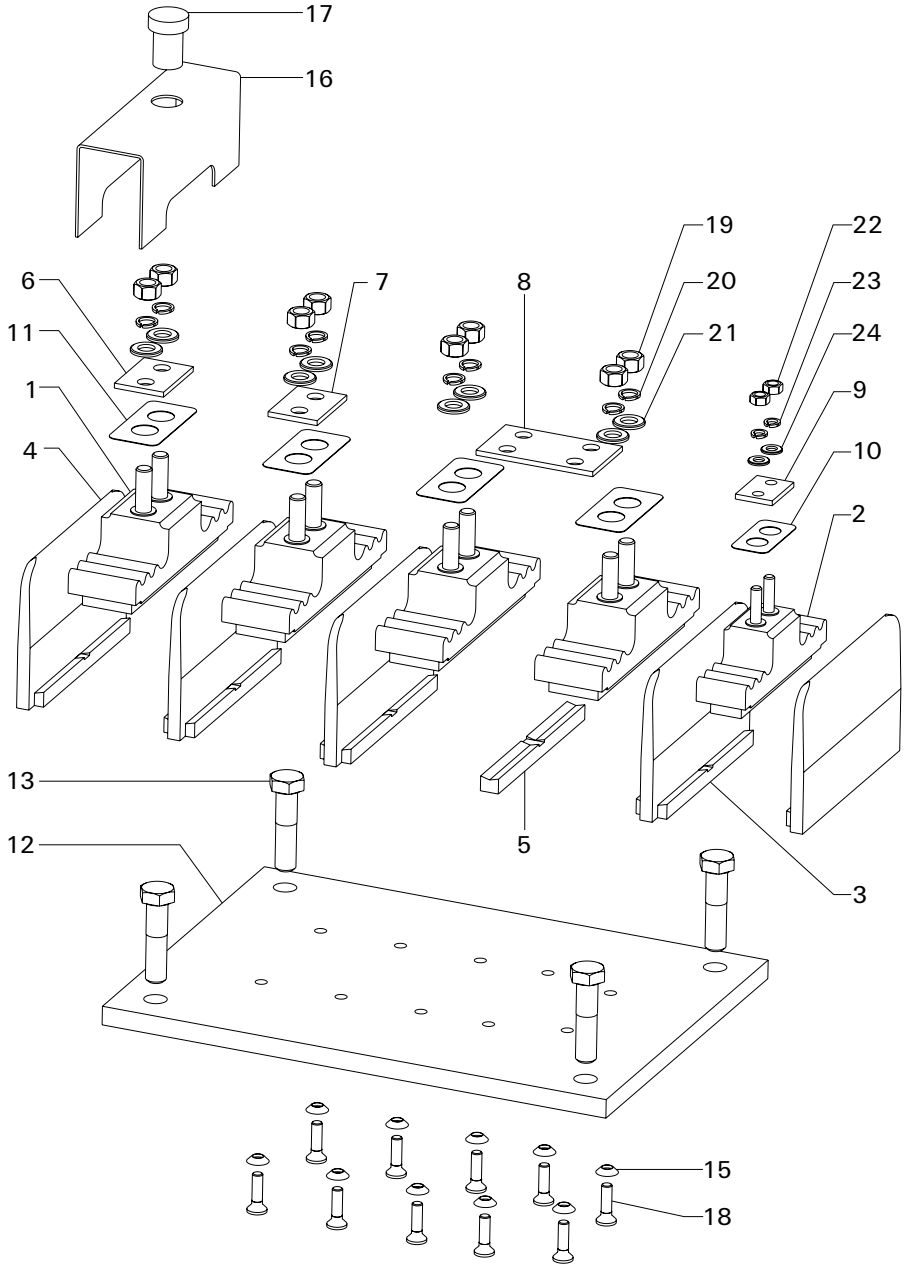
Cross-connections are available as 2-, 3-, or 4-poles.

Connection

Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. Tighten the steel hexagonal nut to ensure good contact between cable lug and busbar.

The same principle applies when two cable lugs contact on one stud or slotted hole cable lugs are used.

Slotted hole cable lugs can also be placed over both studs.



Modular System

1	Stud terminal ST 4000/L (large)
2	Stud terminal ST 4000/S (small)
3	Partition
4	Endplate
5	Coupling block
6/7/9	Current bar
8	Cross connection
10/11	Marking plate
12	Isulating mounting base (customerspecific)
13	Studs and washers for the isulating mounting base (not part of the delivery)
15/18	Studs and washers to fix the terminals on the isulating mounting base
19-24	Studs and washers (Fa. Teckentrup)

	ST 4000/S M8	120 mm²	ST 4000/S M10	120 mm²
	Screw thread M8		Screw thread M10	
Width/Height/Depth mm	40 x 150 x		40 x 150 x	
max. current / max. cond. cross-section A	**269 /**		**269 /**	
Max. clamping range -				

Technical data

Rated data with Wemid partition wall	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	4000				4000			
Rated current A	269				269			
for wire cross-section mm²	120				120			
Rated impulse withstand voltage / Pollution severity			30 kV / 3				30 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0				/ V-0	
Approvals	EAC				EAC			
Clamped cable lugs								
Cable lug to DIN 46234	1.5 - 120 mm²				4 - 120 mm²			
2 x cable lugs DIN 46 234								
Cable lug to DIN 46235	16...70 mm²							
2 x cable lugs DIN 46 235								
Tightening torque (clamping screw for copper conductors)								
Note	Rated voltage when using cable lugs according to DIN 46234				Rated voltage when using cable lugs according to DIN 46234			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
with internal thread	ST 4000/S M8 F	25	**1809120000**	ST 4000/S M10 F	25	**1809140000**
red	ST 4000/S M8	25	**1809110000**	ST 4000/S M10	25	**1809130000**
Note	1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.			1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.		

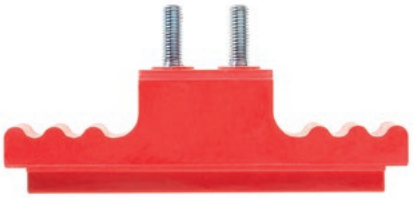
Accessories

Cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ST 4000/S J2 M8		100	**1809310000**	ST 4000/S J2 M10		100	**1809340000**
3-pole	ST 4000/S J3 M8		50	**1809320000**				
4-pole								
Busbar								
M12 / 4 mm thick								
M12 / 6 mm thick								
M8 / 4 mm thick	ST 4000/S CB M8/4		100	**1809250000**				
M10 / 4 mm thick					ST 4000/S CB M10/4		100	**1809260000**
M10 / 6 mm thick					ST 4000/S CB M10/6		100	**1809270000**
Connecting piece								
160 mm length								
130 mm length	ST 4000/S C130		50	**1809230000**	ST 4000/S C130		50	**1809230000**
Partition plate								
180 mm length								
150 mm length	ST 4000/S P150		50	**1809190000**	ST 4000/S P150		50	**1809190000**
End partition								
180 mm length								
150 mm length	ST 4000/S E150		50	**1809210000**	ST 4000/S E150		50	**1809210000**
Touch-safe protection								
180 mm length								
150 mm length	ST 4000/S S150		20	**1809470000**	ST 4000/S S150		20	**1809470000**

For detailed information on other accessories and application in the online catalogue

ST 4000/L M10 — 150 mm²

Screw thread M10



55 x 180 x
309 /

IEC	UL	CSA	EN 60079-7
4000			
309			
150			
	29.5 kV / 3		
	/ V-0		
EAC			
10 - 150 mm²			
25 - 150 mm²			

Rated voltage when using cable lugs according to DIN 46234

Type	Qty.	Order No.
ST 4000/L M10	15	**1809150000**

1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.

Type	current	Qty.	Order No.
ST 4000/L J2 M10		50	**1809370000**
ST 4000/L J4 M10		25	**1809390000**
ST 4000/L CB M10/4		100	**1809280000**
ST 4000/L C160		50	**1809240000**
ST 4000/L P180		50	**1809200000**
ST 4000/L E180		50	**1809220000**
ST 4000/L S180		1	**1809480000**

ST 4000/L M12 — 240 mm²

Screw thread M12

55 x 180 x
415 /

IEC	UL	CSA	EN 60079-7
4000			
415			
240			
	29.5 kV / 3		
	/ V-0		
EAC			
10...240 mm²			
25...240 mm²			

Rated voltage when using cable lugs according to DIN 46234

Type	Qty.	Order No.
ST 4000/L M12 F	15	**1809180000**
ST 4000/L M12	15	**1809170000**

1000 VDC rated voltage tested.Weidmüller produces drawings of the customer-specific ST 4000 application.

Type	current	Qty.	Order No.
ST 4000/L J2 M12		50	**1809400000**
ST 4000/L J3 M12		50	**1809410000**
ST 4000/L J4 M12		25	**1809420000**
ST 4000/L CB M12/4		100	**1809290000**
ST 4000/L CB M12/6		100	**1809300000**
ST 4000/L C160		50	**1809240000**
ST 4000/L P180		50	**1809200000**
ST 4000/L E180		50	**1809220000**
ST 4000/L S180		1	**1809480000**

Application range

Application range

Application fields in the panel B.2

Power feed-in

Screw connection B.4 B.6

Power distribution

Screw connection B.22 B.26
PUSH IN connection B.44
Tension clamp connection B.45

Control voltage distribution

PUSH IN connection B.46 B.48

Instrument transformer wiring

PUSH IN connection B.92 B.94
Tension clamp connection B.96
Screw connection B.98

Signal wiring

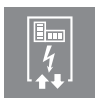
PUSH IN connection B.122 B.124
Tension clamp connection B.126
Screw connection B.128

DCS marshalling

PUSH IN connection B.132 B.134
Screw connection B.138

Shielding and earthing

Shield clamping saddle B.148 B.150
Tension clamp connection B.162
Screw connection B.163

Building installation wiring

PUSH IN connection B.170 B.172
Tension clamp connection B.186
Screw connection B.194

Panel building requires innovative ideas

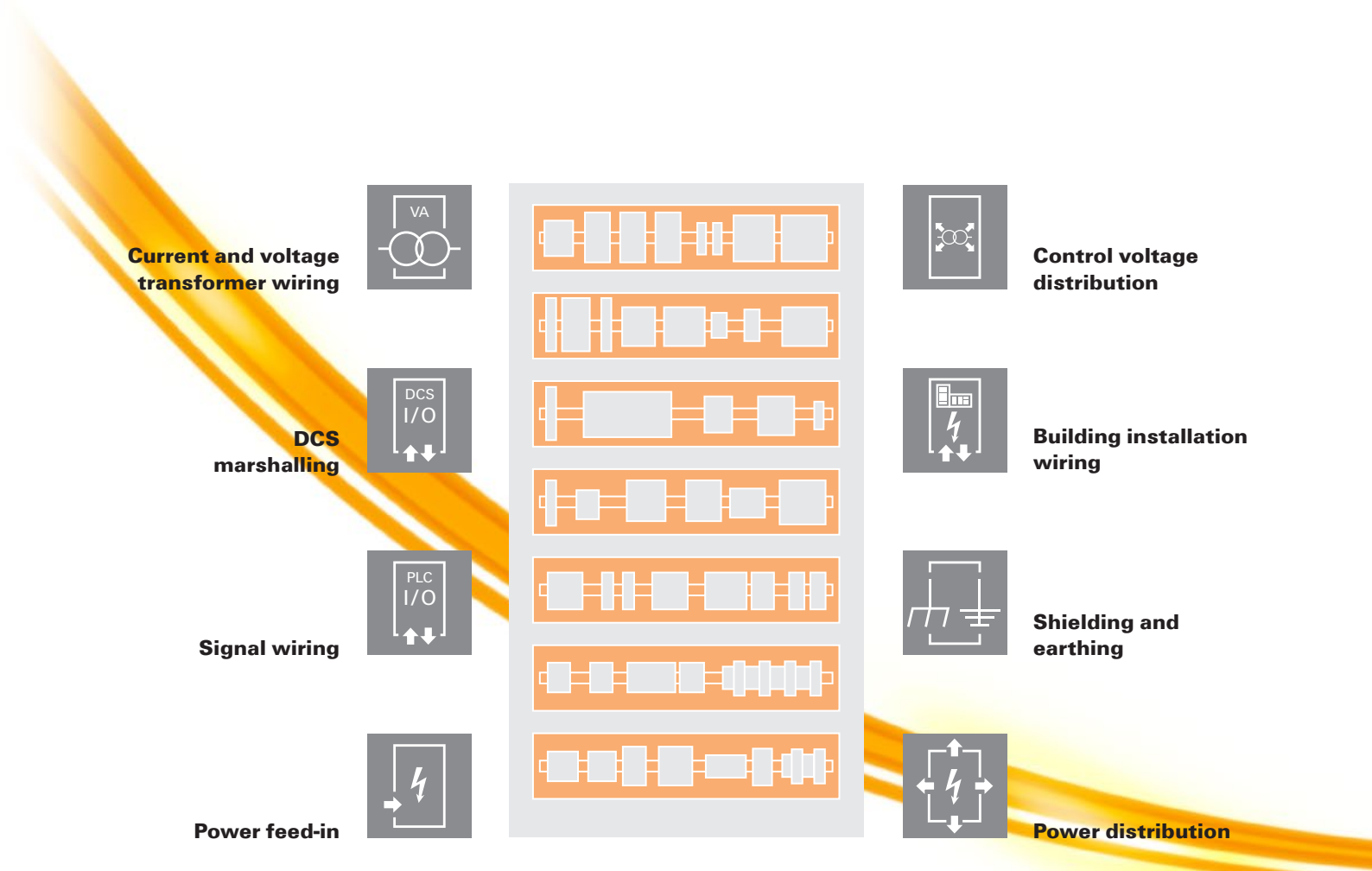
Klippon® Connect delivers pioneering connectivity solutions

While panels are indeed configured individually, various recurring application fields within the panel are a permanent fixture in almost all industries.

We have identified and developed special solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, our needs-based application products decisively help to boost your productivity, efficiency and safety at all stages of the panel building process.

Our promise

Our tailored application range guarantees substantial efficiency benefits at every individual stage of the process and leads to unbeatable productivity gains in your panel building operations.



Power feed-in
Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

Power distribution
You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.

Control voltage distribution
Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.

Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

Signal wiring
Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

DCS marshalling
Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

Shielding and earthing
Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields.
A comprehensive range of accessories rounds off our range.

Building installation wiring
For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

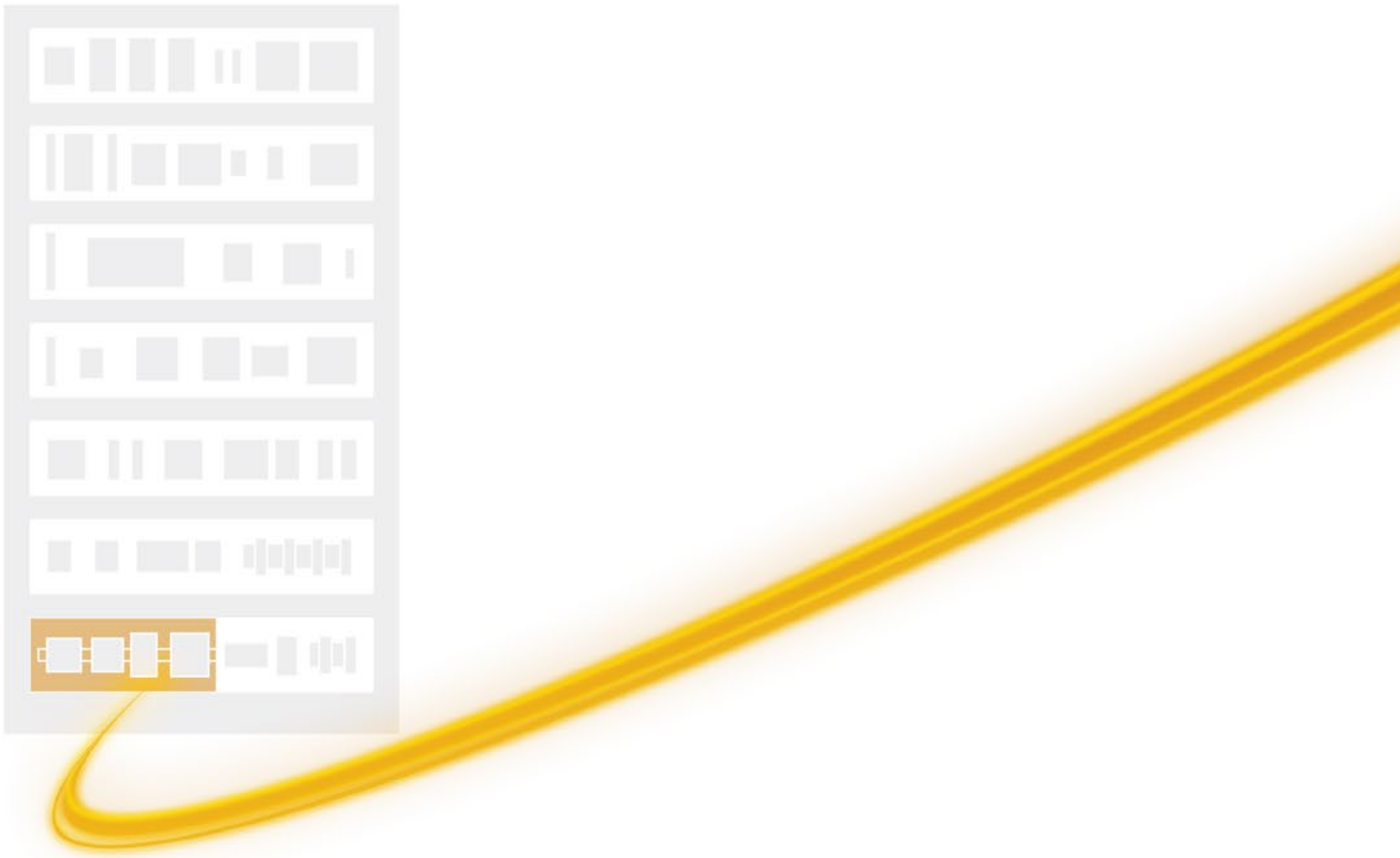
Reliable and efficient power supply

Really convenient with Klippon® Connect

More and more components need to be housed in switchgear and panels within a confined space. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient and space-saving.

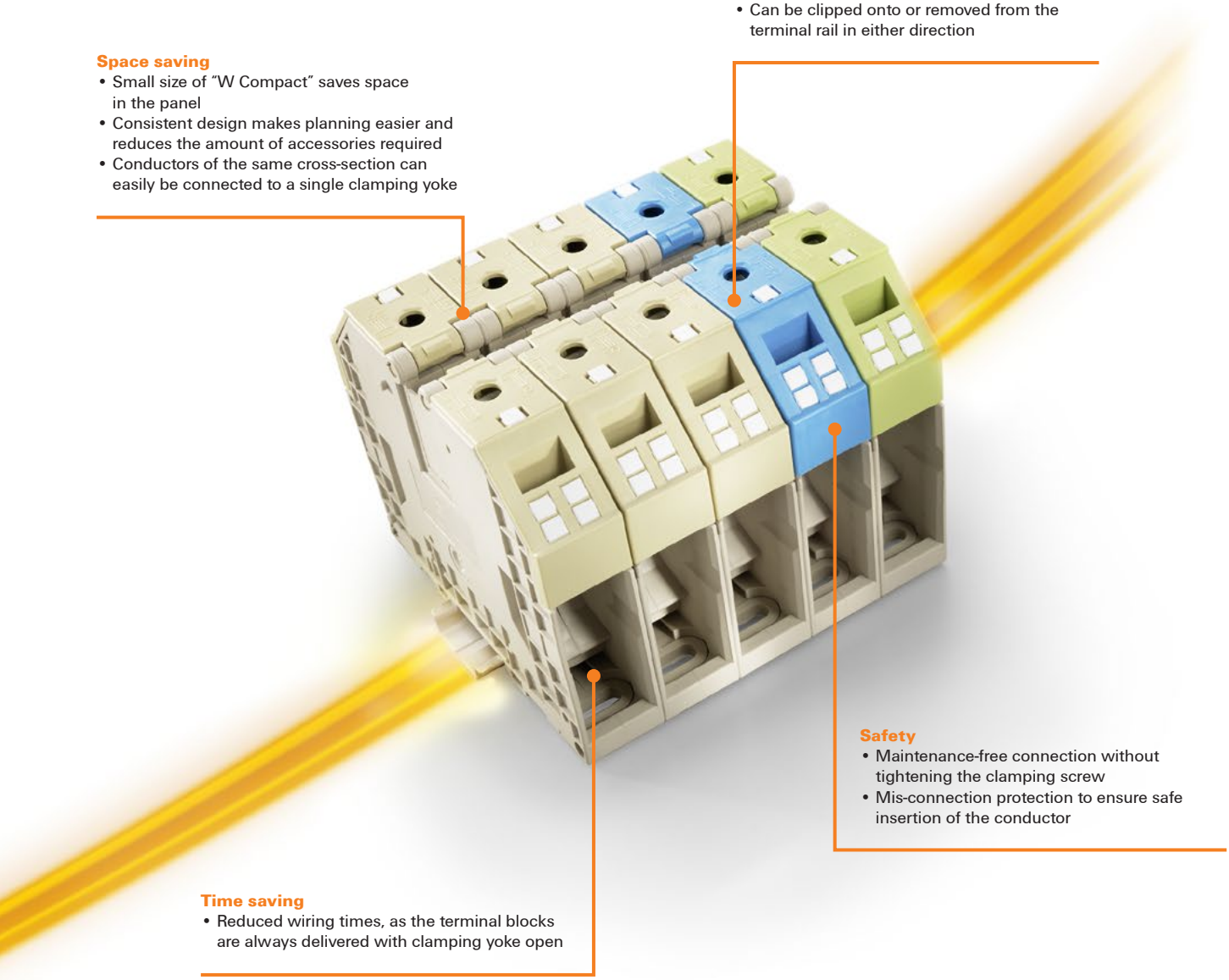
Our promise

The feed-in of power to switchgear and panels is much easier with Klippon® Connect: our connection solutions ensure reduced wiring work and efficient processes. The compact design means you save space and money, whilst increasing productivity on a sustainable basis.



Flexibility
- Best connections in standard and compact models
- Can be clipped onto or removed from the terminal rail in either direction

Space saving
- Small size of "W Compact" saves space in the panel
- Consistent design makes planning easier and reduces the amount of accessories required
- Conductors of the same cross-section can easily be connected to a single clamping yoke



Safety
- Maintenance-free connection without tightening the clamping screw
- Mis-connection protection to ensure safe insertion of the conductor

Time saving
- Reduced wiring times, as the terminal blocks are always delivered with clamping yoke open

Our range

Wide range – safe connections:
In confined spaces, our compact terminal blocks with proven clamping yoke technology increase convenience and enable perfect connections. The strong force of the clamping yoke spring ensures vibration-resistant contacting and compensates for the relaxation in the connected conductor.

Cost-effective and robust:
Under harsh environmental conditions with high levels of vibration and shock, such as in traffic engineering, our terminal blocks using stud technology offer excellent safety. With robust workmanship and flexible accessories, our stud terminals meet the requirements for safe, reliable power transfer.

	WDU 50N	WDU 50N IR
	50 mm²	50 mm²
	Compact design	Six-lobe socket
Width/Height/Depth mm	18.5 x 70 x 69.6	18.5 x 70 x 69.6
max. current / max. cond. cross-section A/mm²	**192 / 70**	**192 / 70**
Max. clamping range mm²	**10...70**	**10...70**

Technical data

	WDU 50N	WDU 50N IR
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	Ex e II II 2 G D	Ex e II II 2 G D
for wire cross-section mm²	IEC: 1000 / 150 / 50	IEC: 1000 / 150 / 50
	UL: 600 / 150 / AWG 10...0	UL:
	CSA: 600 / 150 / AWG 8...0	CSA:
	EN 60079-7: 690 / 126 / 50 mm²	EN 60079-7: 690 / 126 / 50 mm²
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B10 / V-0	B10 / V-0
Approvals	DEMKO14ATEX1338U	DEMKO14ATEX1338U
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	6...16 / 6...70	10...16 / 10...70
Flexible / Flexible with ferrule mm²	10...50 / 6...50	10...50 / 10...50
Tightening torque (clamping screw for copper conductors)	3.5...6 Nm / (M 6)	3...6 Nm / (M 6)
Stripping length / Blade size mm/-	24 / S4 (DIN 6911)	24 / TX 20
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded -	...16 / 6...16	...16 / 6...16
Flexible / Flexible with ferrule mm²	6...16 / 6...16	6...16 / 6...16
Note	1000 V DC rated voltage tested.	1000 V DC rated voltage tested.

Rated connection	Further connection	Rated connection	Further connection
6...16 / 6...70		10...16 / 10...70	
10...50 / 6...50		10...50 / 10...50	
3.5...6 Nm / (M 6)		3...6 Nm / (M 6)	
24 / S4 (DIN 6911)		24 / TX 20	

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDU 50N	10	**1820840000**
blue	WDU 50N BL	10	**1820850000**
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	Qty.	Order No.
WDU 50N IR	10	**1186630000**
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 50N/2	150 A	5	**1834060000**
3-pole	WQV 50N/3	150 A	5	**1834070000**
4-pole	WQV 50N/4	150 A	5	**1834080000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Cover				
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**
Blank, white				
Additional connection				
10 mm²	WZAD 50N		5	**1872720000**
4 mm²				
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**
Ribbon cable clamp				

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	**1834060000**
WQV 50N/3	150 A	5	**1834070000**
WQV 50N/4	150 A	5	**1834080000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 50N		5	**1872720000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
TH-S 9-40		1	**9008880000**

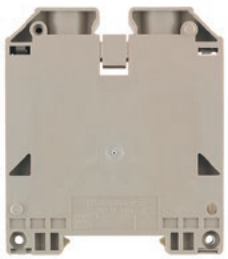
For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDU 70N — 70 mm²

Compact design



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm²
8 kV / 3			
B11 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	

1000 V DC rated voltage tested.

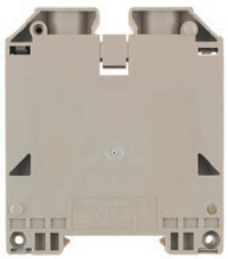
Type	Qty.	Order No.
WDU 70N/35	10	**9512190000**
WDU 70N/35 BL	10	**9512420000**

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	**9512240000**
WQV 70N/3	192 A	5	**9512250000**
WQV 70N/4	192 A	5	**9531290000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WZAD 70N		5	**1964830000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".

WDU 70N IR — 70 mm²



20.5 x 75 x 85
232 / 95
16...95

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600		690
192	150		184
70	AWG 6...0		70 mm²
8 kV / 3			
B11 / V-0			

DEMKO14ATEX1338U

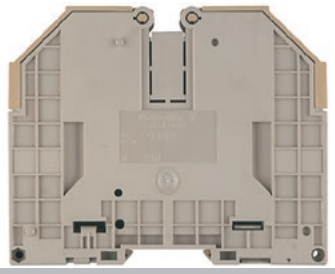
Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / TX 40	

Type	Qty.	Order No.
WDU 70N/35 IR	10	**1393420000**

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	**9512240000**
WQV 70N/3	192 A	5	**9512250000**
WQV 70N/4	192 A	5	**9531290000**
WEW 35/1		50	**1059000000**
WAD 20 GE WSD		10	**9512260000**
WAD 20 WS		10	**9512270000**
WZAD 70N		5	**1964830000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**
TH-S 9-40		1	**9008880000**

WDU 70/95 — 95 mm²

Conductor can be inserted from above / leaf spring



27 x 132 x 107
232 / 120
13.3...120

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
232	175	205	218
95	AWG 6...0	AWG 6...0	95 mm²
8 kV / 3			
B12 / V-0			

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm / (M 8)	
30 / S6 (DIN 6911)	
16...16 / 16...35	
16...35 / 16...35	

Type	Qty.	Order No.
WDU 70/95	10	**1024600000**
WDU 70/95 BL	10	**1024680000**

For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.

Type	current	Qty.	Order No.
WQV 70/95/2	192 A	5	**1063500000**
WQV 70/95/3	232 A	5	**1063600000**
WEW 35/1		50	**1059000000**
WAD 27 M. BL.		10	**1062860000**
WAD 27 NEUTRAL		10	**1062960000**
WZAD 70/95		10	**1066000000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**
WFL 70/95		5	**1616330000**

Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

Power feed-in
Screw connection

	WDU 95N/120N	120 mm²	WDU 95N/120N IR	120 mm²
	Compact design			
Width/Height/Depth mm	27 x 91 x 90		27 x 91 x 90	
max. current / max. cond. cross-section A/mm²	**290 / 150**		**290 / 150**	
Max. clamping range mm²	**16...150**		**16...150**	

Technical data

	WDU 95N/120N				WDU 95N/120N IR			
Rated data								
Rated voltage V	IEC 60947-7-1				IEC 60947-7-1			
Rated current A								
for wire cross-section mm²								
Rated impulse withstand voltage / Pollution severity								
Gauge to IEC 60947-1 / UL 94 flammability rating								
Approvals	Ex e II			II 2 G D				
Clamped conductors (H05V/H07V)	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
Solid / Stranded mm²	1000	1000	1000	880	1000			
Flexible / Flexible with ferrule mm²	269	228	220	221	269			
Tightening torque (clamping screw for copper conductors)	120	AWG 4...250	AWG 4...0	120 mm²	120			
Stripping length / Blade size mm/-			8 kV / 3				8 kV / 3	
2 conductors with same cross-section (H05V/H07V)			B13 / V-0				B13 / V-0	
Solid / Stranded mm²				DEMKO14ATEX1338U				
Flexible / Flexible with ferrule mm²	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
	16...16 / 16...150				16...16 / 16...150			
	16...120 / 16...95				16...120 / 16...95			
	12...20 Nm / (M 10)				12...20 Nm / (M 10)			
	27 / S6 (DIN 6911)				27 / TX 40			
	16...16 / 10...35							
	16...35 / 10...35							
Note	1000 V DC rated voltage tested.							

Ordering data

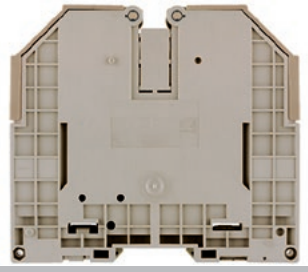
	WDU 95N/120N			WDU 95N/120N IR		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
dark beige	WDU 95N/120N	5	**1820550000**	WDU 95N/120N IR	5	**1393430000**
blue	WDU 95N/120N BL	5	**1820560000**			
Note	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.					

Accessories

	WDU 95N/120N				WDU 95N/120N IR			
Screwable cross-connection	**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
2-pole	WQV 95N/120N/2	269 A	5	**1826890000**	WQV 95N/120N/2	269 A	5	**1826890000**
3-pole	WQV 95N/120N/3	269 A	5	**1826900000**	WQV 95N/120N/3	269 A	5	**1826900000**
4-pole	WQV 95N/120N/4	269 A	5	**1826910000**	WQV 95N/120N/4	269 A	5	**1826910000**
End bracket								
dark beige	WEW 35/1		50	**1059000000**	WEW 35/1		50	**1059000000**
Cover								
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**	WAD 20 GE WSD		10	**9512260000**
Blank, white					WAD 20 WS		10	**9512270000**
Additional connection								
10 mm²	WZAD 95N/120N		5	**1859580000**	WZAD 95N/120N		5	**1859580000**
4 mm²								
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 15/5 MC NE WS		480	**1609880000**
Screwdriver								
Standard	SKS 2,0-8,0 MR		1	**9008870000**	TH-S 9-40		1	**9008880000**
Ribbon cable clamp								
For detailed information on other accessories and application in the online catalogue	Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm², 41 A). Cross-connections, see section "W series accessories".							

WDU 120/150 — 120 mm²

Conductor can be inserted from above / leaf spring



32 x 132 x 117
309 / 150
33.63...150

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	225	285	265
120	AWG 2...250	AWG 2...250	150 mm²
	8 kV / 3		
	B13 / V-0		

DEMKO14ATEX1338U

Rated connection	Further connection
/ 35...150	
35...150 / 35...150	
10...20 Nm / (M 10)	
35 / S6 (DIN 6911)	
...16 / 35...70	
35...70 / 35...70	

Type	Qty.	Order No.
WDU 120/150	10	**1024500000**
WDU 120/150 BL	10	**1024580000**

For direct mounting see section W-Series, Accessories.

Type	current	Qty.	Order No.
WQV 120/2	269 A	5	**1063300000**
WQV 120/3	269 A	5	**1063400000**
WEW 35/1		50	**1059000000**
WAD 27 M. BL.		10	**1062860000**
WAD 27 NEUTRAL		10	**1062960000**
WZAD120		10	**1066100000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**
WFL 120/150		5	**1616340000**

Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm², 32 A). Cross-connections, see section "W series accessories".

WDU 240 — 240 mm²

36 x 100 x 123.7
415 / 240
70...240

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	1100
415	380	400	350
240		AWG 0...500	240 mm²
	8 kV / 3		
	B15 / V-0		

KEMA01ATEX2186U

Rated connection	Further connection
/ 70...240	
70...240 / 70...185	
25...30 Nm / (M 10)	
40 / S8 (DIN 6911)	
/ 35...95	
50...95 / 35...50	

Copper straps can be used; see online catalogue for possible connections.

Type	Qty.	Order No.
WDU 240	2	**1802780000**
WDU 240 BL	2	**1822210000**

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQB 240/2	320 A	5	**1802790000**
WQB 240/3	320 A	5	**1802800000**
WEW 35/1		50	**1059000000**
WZAD 240		5	**1802810000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/6.5 MC NE WS		540	**1609920000**
SKS 2,0-8,0 MR		1	**9008870000**

Power feed-in
Screw connection

	WPE 50N	WPE 70N/35
	50 mm²	70 mm²
	Compact design	Compact design
Width/Height/Depth mm	18.5 x 71 x 69.6	20.5 x 75 x 85
max. current / max. cond. cross-section -/mm²	/ 70	/ 95
Max. clamping range mm²	5.26...70	16...95

Technical data

	WPE 50N	WPE 70N/35
Rated data		
for wire cross-section mm²	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal V	Ex e II II 2 G D	Ex e II II 2 G D
Rated impulse withstand voltage to adjacent terminal kV		
Rated short-time current		
Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		

IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm²
1000			
8			
6000 A (50 mm²)			
3			
B10 / V-0			

IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm²
1000			
8			
8400 A (70 mm²)			
3			
B11 / V-0			

	WPE 50N	WPE 70N/35
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	10...16 / 10...70	16...16 / 16...95
Flexible / Flexible with ferrule mm²	10...50 / 10...50	16...70 / 16...70
Tightening torque (clamping screw for copper conductors)	4...6 Nm / (M 6)	8...12 Nm / (M 8)
Tightening torque (mounting screw)	3...4 Nm	2...4 Nm
Stripping length / Blade size mm/-	24 / S4 (DIN 6911)	22 / S6 (DIN 6911)
Note	For 50 and 70 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.	For 50 - 95 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 50N	10	1846040000
Note			

Type	Qty.	Order No.
WPE 70N/35	10	9512200000

Accessories

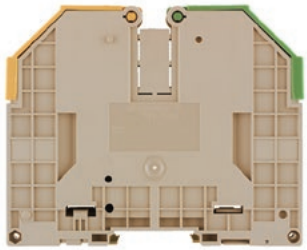
PEN bridge	Type	current	Qty.	Order No.
	WQV PEN 50N	150 A	5	9201610000
End bracket				
dark beige	WEW 35/1		50	1059000000
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000
	WS 12/6.5 MC NE WS		540	1609920000
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	9008870000

Type	current	Qty.	Order No.
WQV 70N-PEN	192 A	5	9525840000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).

	WPE 95N/120N	WPE 70/95
	95 mm²	95 mm²
	Compact design	Conductor can be inserted from above / leaf spring
		
Width/Height/Depth	27 x 91 x 90	27 x 132 x 107
max. current / max. cond. cross-section	/ 150	/ 120
Max. clamping range	16...150	13.3...120

Technical data

	WPE 95N/120N	WPE 70/95
Rated data		
for wire cross-section	IEC 60947-7-2	IEC 60947-7-2
Rated voltage to adjoining terminal	Ex e II II 2 G D	Ex e II II 2 G D
Rated impulse withstand voltage to adjacent terminal	IEC: 95 / UL: AWG 4...0 / CSA: AWG 4...0 / EN 60079-7: 120 mm²	IEC: 95 / UL: AWG 6...0 / CSA: AWG 6...0 / EN 60079-7: 120 mm²
Rated short-time current	1000	1000
Pollution severity	8	8
Gauge to IEC 60947-1 / UL 94 flammability rating	11400 A (95 mm²)	11400 A (95 mm²)
Approvals	3	3
	B13 / V-0	B12 / V-0
	CE, SEV, cULus, EAC	CE, SEV, EAC, KEMA, cULus
Clamped conductors (H05V/H07V)		
Solid / Stranded	Rated connection: 16...16 / 16...150	Rated connection: 16...16 / 16...120
Flexible / Flexible with ferrule	16...120 / 16...95	16...95 / 16...95
Tightening torque (clamping screw for copper conductors)	16...20 Nm / (M 10)	6...12 Nm / (M 8)
Tightening torque (mounting screw)	3...4 Nm	3...6 Nm
Stripping length / Blade size	27 / S6 (DIN 6911)	30 / S6 (DIN 6911)
Note	For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.	For 50 - 120 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

	WPE 95N/120N	WPE 70/95
Version		
	green/yellow	
Note	UL, CSA and ATEX certifications are pending	
Type	WPE 95N/120N	WPE 70/95
Qty.	5	10
Order No.	1846030000	1037300000

Accessories

	WPE 95N/120N	WPE 70/95
PEN bridge		
Type	WQV PEN 95N/120N	WQV 70/95-PEN
current		192 A
Qty.	5	5
Order No.	9201630000	1072300000
End bracket		
	dark beige	
Type	WEW 35/1	WEW 35/1
Qty.	50	50
Order No.	1059000000	1059000000
Identification systems		
Type	DEK 5/5 MC NE WS	DEK 5/5 MC NE WS
Qty.	1000	1000
Order No.	1609801044	1609801044
Type	WS 12/6.5 MC NE WS	WS 12/6.5 MC NE WS
Qty.	540	540
Order No.	1609920000	1609920000
Screwdriver		
Type	SKS 2,0-8,0 MR	SKS 2,0-8,0 MR
	Standard	
Qty.	1	1
Order No.	9008870000	9008870000

For detailed information on other accessories and application in the online catalogue

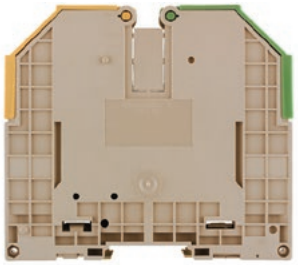
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

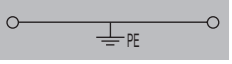
Power feed-in
Screw connection

WPE 120/150 — 120 mm²

Conductor can be inserted from above / leaf spring



Width/Height/Depth	32 x 132 x 117 mm
max. current / max. cond. cross-section	**/ 150** -/mm²
Max. clamping range	**33.62...150** mm²



Technical data

IEC 60947-7-2 — Ex e II — II 2 G D

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section	120 mm²	AWG 2...250	AWG 2...250	150 mm²
Rated voltage to adjoining terminal	1000 V			
Rated impulse withstand voltage to adjacent terminal	8 kV			
Rated short-time current	14400 A (120 mm²)			
Pollution severity	3			
Gauge to IEC 60947-1 / UL 94 flammability rating	B13 / V-0			
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded -	/ 35...150
Flexible / Flexible with ferrule mm²	35...150 / 35...150
Tightening torque (clamping screw for copper conductors)	10...20 Nm / (M 10)
Tightening torque (mounting screw)	3...6 Nm
Stripping length / Blade size mm/-	35 / S6 (DIN 6911)

Note	
	For 50 - 150 mm², the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Ordering data

Version	Type	Qty.	Order No.
green/yellow	WPE 120/150	10	**1019700000**

Note	

Accessories

PEN bridge	Type	current	Qty.	Order No.
	WQV 120-PEN	269 A	5	**1072400000**
End bracket				
dark beige	WEW 35/1		50	**1059000000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**
Screwdriver				
Standard	SKS 2,0-8,0 MR		1	**9008870000**

For detailed information on other accessories and application in the online catalogue	Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Reliable and efficient power supply

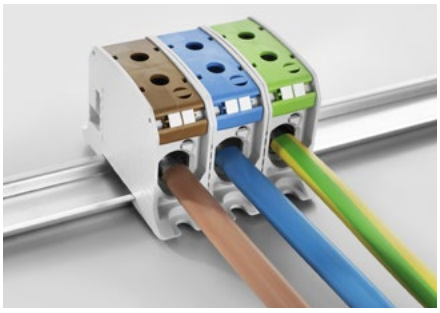
Really convenient with Klippon® Connect

A growing number of industrial applications needs to fit a large amount of technology into a very dense space. Different connection types must thereby be interchangeable, because cost-saving aluminium often replaces copper.

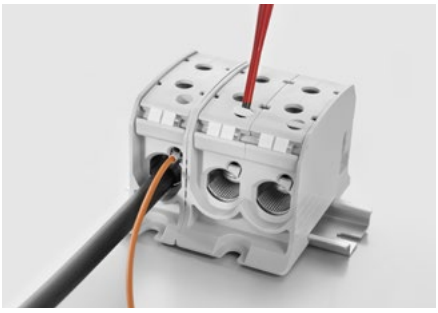
Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option.

Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

Compact and robust design
Klippon® Connect power feed-in terminal blocks WPD boast a wide range of features, including a compact and robust design.



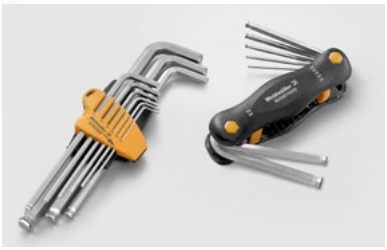
Uninterrupted monitoring
Small power supply and monitoring connections can be installed without disconnecting any previously connected terminal blocks.



Al and Cu

Easy and flexible mounting
The possibility of direct mounting and the compatibility with the 35-mm DIN rail in accordance with EN 60715 and EN 50022 allow fast processing and installation.

Socket wrench sets
Weidmüller offers fitting SK WSD-S Allen keys DIN ISO 2936 L (DIN 911) made from fully hardened high-alloy chromium-vanadium-steel with a high-quality refined surface for the blocks.



Power feed-in
Screw connection

	WPD 130	WPD 230
Width/Depth/Height	20 / 45 / 70	35.6 / 45 / 70
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	120 A	120 A
UL 94 flammability rating	V-0	V-0
Poles	1	2

Technical data

Copper (Cu) IEC 60947-7-7-1/ UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	6 - 50 mm²	10 Nm	6 - 50 mm²	10 Nm
Solid (UL)	10 AWG - 1/0 AWG	123,9 Lb In.	10 AWG - 1/0 AWG	123,9 Lb In.
Stranded	6 - 50 mm²	10 Nm	6 - 50 mm²	10 Nm
Stranded (UL)	10 AWG - 1/0 AWG	123,9 Lb In.	10 AWG - 1/0 AWG	123,9 Lb In.
Finely stranded with wire end ferrule	4 - 35 mm²	10 Nm	4 - 35 mm²	10 Nm
Finely stranded with wire end ferrule (UL)	12 AWG - 0 AWG	123,9 Lb In.	12 AWG - 0 AWG	123,9 Lb In.
Clamping screw	M10		M10	
Stripping length	16 mm		16 mm	
Max. current	150 A / 150 A (UL)		150 A / 150 A (UL)	

Auxiliary connection
Solid
Solid (UL)
Stranded
Stranded (UL)
Finely stranded with wire end ferrule
Finely stranded with wire end ferrule (UL)
Clamping screw
Stripping length
Max. current

Aluminium (Al) UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	16 - 50 mm²	14 Nm	16 - 50 mm²	14 Nm
Solid (UL)	1 AWG - 1/0 AWG	123,9 Lb In.	1 AWG - 1/0 AWG	123,9 Lb In.
Stranded	16 - 50 mm²	14 Nm	16 - 50 mm²	14 Nm
Stranded (UL)	1 AWG - 1/0 AWG	123,9 Lb In.	1 AWG - 1/0 AWG	123,9 Lb In.
Sector	4 - 35 mm²	14 Nm	16 - 50 mm²	14 Nm
Sector (UL)	1 AWG - 0 AWG	123,9 Lb In.	10 AWG - 1/0 AWG	123,9 Lb In.
Clamping screw	M10		M10	
Stripping length	16 mm		16 mm	
Max. current	150 A / 120 A (UL)		150 A / 120 A (UL)	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
grey	WPD 130 1X50/1X50 GY	9	2502530000	WPD 230 2X50/2X50 GY	5	2502580000
blue	WPD 130 1X50/1X50 BL	9	2502540000	WPD 230 2X50/2X50 BL	5	2502590000
brown	WPD 130 1X50/1X50 BN	9	2502560000	WPD 230 2X50/2X50 BN	5	2502610000
green	WPD 130 1X50/1X50 GN	9	2502550000	WPD 230 2X50/2X50 GN	5	2502600000
black	WPD 130 1X50/1X50 BK	9	2502570000	WPD 230 2X50/2X50 BK	5	2502950000

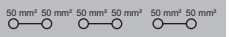
Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Dust cap	WPDPC X30 GY	54	2503330000	WPDPC X30 GY	54	2503330000
Allen key set	SKS 2,0-8,0 MR	1	9008870000	SKS 2,0-8,0 MR	1	9008870000
Identification systems	DEK 5/5 MC NE WS	1000	1609801044	DEK 5/5 MC NE WS	1000	1609801044

For detailed information on other accessories and application in the online catalogue

WPD 330

56.6 / 45 / 70
1000 V AC
1000 V DC
120 A
V-0
3



Input	Tightening Torque
6 - 50 mm²	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm²	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm²	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

Output	Tightening Torque
6 - 50 mm²	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm²	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm²	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

Input	Tightening Torque
16 - 50 mm²	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm²	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm²	14 Nm
1 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

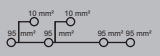
Output	Tightening Torque
16 - 50 mm²	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm²	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm²	14 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

Type	Qty.	Order No.
WPD 330 3X50/3X50 3XGY	3	**2502620000**
WPD 330 3X50/3X50 1XBN/1XBK/1XGY	2	**2502650000**
WPD 330 1XGY/1XBL/1XGN	3	**2502640000**

Type	Qty.	Order No.
WPDPC X30 GY	54	**2503330000**
SKS 2,0-8,0 MR	1	**9008870000**
DEK 5/5 MC NE WS	1000	**1609801044**

Power feed-in
Screw connection

	WPD 131	WPD 231
Width/Depth/Height	25.5 / 57 / 93	47 / 57 / 93
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	155 A	155 A
UL 94 flammability rating	V-0	V-0
Poles	1	2



Technical data

Copper (Cu) IEC 60947-7-7-1/ UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	10 - 95 mm²	19 Nm	10 - 95 mm²	19 Nm
Solid (UL)	6 AWG - 3/0 AWG	200 Lb In.	6 AWG - 3/0 AWG	200 Lb In.
Stranded	10 - 95 mm²	19 Nm	10 - 95 mm²	19 Nm
Stranded (UL)	6 AWG - 3/0 AWG	200 Lb In.	6 AWG - 3/0 AWG	200 Lb In.
Finely stranded with wire end ferrule	6 - 70 mm²	19 Nm	6 - 70 mm²	19 Nm
Finely stranded with wire end ferrule (UL)	8 AWG - 2/0 AWG	200 Lb In.	8 AWG - 2/0 AWGil	200 Lb In.
Clamping screw	M14		M14	
Stripping length	26 mm		26 mm	
Max. current	232 A / 200 A (UL)		232 A / 200 A (UL)	

Auxiliary connection	Input	Tightening Torque	Output	Tightening Torque
Solid	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Solid (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Stranded	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Stranded (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Finely stranded with wire end ferrule	1,5 - 6 mm²	1,2 Nm	1,5 - 6 mm²	1,2 Nm
Finely stranded with wire end ferrule (UL)	16 - 10 AWG	2,3 Lb In.	16 - 10 AWG	2,3 Lb In.
Clamping screw	M4		M4	
Stripping length	10 mm		10 mm	
Max. current	57 A		57 A	

Aluminium (Al) UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	10 - 95 mm²	19 Nm	10 - 95 mm²	19 Nm
Solid (UL)	6 AWG - 3/0 AWG	200 Lb In.	6 AWG - 3/0 AWG	200 Lb In.
Stranded	10 - 95 mm²	19 Nm	10 - 95 mm²	19 Nm
Stranded (UL)	6 AWG - 3/0 AWG	200 Lb In.	6 AWG - 3/0 AWG	200 Lb In.
Sector	10 - 95 mm²	19 Nm	10 - 95 mm²	19 Nm
Sector (UL)	6 AWG - 3/0 AWG	200 Lb In.	6 AWG - 3/0 AWG	200 Lb In.
Clamping screw	M14		M14	
Stripping length	26 mm		26 mm	
Max. current	200 A / 155 A (UL)		200 A / 155 A (UL)	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
grey	WPD 131 1X95/1X95 GY	2	2503090000	WPD 231 2X95/2X95 GY	1	2502700000
blue	WPD 131 1X95/1X95 BL	2	2502660000	WPD 231 2X95/2X95 BL	1	2502710000
brown	WPD 131 1X95/1X95 BN	2	2502680000	WPD 231 2X95/2X95 BN	1	2502730000
green	WPD 131 1X95/1X95 GN	2	2502670000	WPD 231 2X95/2X95 GN	1	2502720000
black	WPD 131 1X95/1X95 BK	1	2502690000	WPD 231 2X95/2X95 BK	1	2502740000

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Dust cap	WPDPC X31 GY	20	2503370000	WPDPC X31 GY	20	2503370000
Allen key set	SKS 2,0-8,0 MR	1	9008870000	SKS 2,0-8,0 MR	1	9008870000
Identification systems	DEK 5/8 MC NE WS	800	1856740000	DEK 5/8 MC NE WS	800	1856740000

For detailed information on other accessories and application in the online catalogue

	WPD 132	WPD 232
Width/Depth/Height	37.5 / 73.5 / 105	67.6 / 73.5 / 105
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	250 A	250 A
UL 94 flammability rating	V-0	V-0
Poles	1	2

Technical data

Copper (Cu) IEC 60947-7-7-1/ UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid core	95 - 185 mm²	25 Nm	95 - 185 mm²	25 Nm
Solid core (UL)	3/0 AWG - 350 kcmil	250 Lb In.	3/0 AWG - 350 kcmil	250 Lb In.
Stranded	95 - 185 mm²	25 Nm	95 - 185 mm	25 Nm
Stranded (UL)	3/0 AWG - 350 kcmil	250 Lb In.	3/0 AWG - 350 kcmil	250 Lb In.
Finely stranded with wire end ferrule	70 - 150 mm²	25 Nm	70 - 150 mm²	25 Nm
Finely stranded with wire end ferrule (UL)	2/0 AWG - 300 kcmil	250 Lb In.	2/0 AWG -300kcmil	250 Lb In.
Clamping screw	M14		M14	
Stripping lengths	26 mm		26 mm	
Max. current	353 A / 310 A (UL)		353 A / 310 A (UL)	

Auxiliary connection	Input	Tightening Torque	Output	Tightening Torque
Solid core	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Solid core (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Stranded	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Stranded (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Finely stranded with wire end ferrule	1,5 - 6 mm²	1,2 Nm	1,5 - 6 mm²	1,2 Nm
Finely stranded with wire end ferrule (UL)	16 - 10 AWG	2,3 Lb In.	16 - 10 AWG	2,3 Lb In.
Clamping screw	M4		M4	
Stripping lengths	10 mm		10 mm	
Max. current	57 A		57 A	

Aluminium (Al) UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	95 - 185 mm²	28,8 Nm	95 - 185 mm²	28,8 Nm
Solid (UL)	3/0 AWG - 350 kcmil	398 Lb In.	3/0 AWG - 350 kcmil	398 Lb In.
Stranded	95 - 185 mm²	28,8 Nm	95 - 185 mm²	28,8 Nm
Stranded (UL)	3/0 AWG - 350 kcmil	398 Lb In.	3/0 AWG - 350 kcmil	398 Lb In.
Sector	95 - 185 mm²	28,8 Nm	95 - 185 mm²	28,8 Nm
Sector (UL)	3/0 AWG - 350 kcmil	398 Lb In.	3/0 AWG - 350 kcmil	398 Lb In.
Clamping screw	M18		M18	
Stripping length	29 mm		29 mm	
Max. current	250 A / 250 A (UL)		250 A / 250 A (UL)	

Ordering data

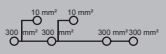
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
grey	WPD 132 1X185/1X185 GY	1	2502750000	WPD 232 2X185/2X185 GY	1	2502800000
blue	WPD 132 1X185/1X185 BL	1	2502760000	WPD 232 2X185/2X185 BL	1	2502810000
brown	WPD 132 1X185/1X185 BN	1	2502780000	WPD 232 2X185/2X185 BN	1	2502830000
green	WPD 132 1X185/1X185 GN	1	2502770000	WPD 232 2X185/2X185 GN	1	2502820000
black	WPD 132 1X185/1X185 BK	1	2502790000	WPD 232 2X185/2X185 BK	1	2502840000

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Dust cap	WPDPC X32 GY	12	2503380000	WPDPC X32 GY	12	2503380000
Allen key set	SKS 2,0-8,0 MR	1	9008870000	SKS 2,0-8,0 MR	1	9008870000
Identification systems	DEK 5/8 MC NE WS	800	1856740000	DEK 5/8 MC NE WS	800	1856740000

For detailed information on other accessories and application in the online catalogue

Power feed-in
Screw connection

	WPD 133	WPD 233
Width/Depth/Height	45 / 83.5 / 118	82.6 / 83.5 / 118
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC 
Rated current	340 A	340 A
UL 94 flammability rating	V-0	V-0
Poles	1	2

Technical data

Copper (Cu) IEC 60947-7-7-1/ UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	50 - 300 mm²	45 Nm	50 - 300 mm²	45 Nm
Solid (UL)	300 kcmil - 600 kcmil	300 Lb In.	300 kcmil - 600 kcmil	300 Lb In.
Stranded	50 - 300 mm²	45 Nm	50 - 300 mm²	45 Nm
Stranded (UL)	300 kcmil - 600 kcmil	300 Lb In.	300 kcmil - 600 kcmil	300 Lb In.
Finely stranded with wire end ferrule	35 - 240 mm²	45 Nm	35 - 240 mm²	45 Nm
Finely stranded with wire end ferrule (UL)	250 kcmil - 600 kcmil	300 Lb In.	250 kcmil - 600 kcmil	300 Lb In.
Clamping screw	M24		M24	
Stripping length	34 mm		34 mm	
Max. current	520 A / 420 A (UL)		520 A / 420 A (UL)	

Auxiliary connection	Input	Tightening Torque	Output	Tightening Torque
Solid	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Solid (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Stranded	1,5 - 10 mm²	1,2 Nm	1,5 - 10 mm²	1,2 Nm
Stranded (UL)	16 - 8 AWG	2,3 Lb In.	16 - 8 AWG	2,3 Lb In.
Finely stranded with wire end ferrule	1,5 - 6 mm²	1,2 Nm	1,5 - 6 mm²	1,2 Nm
Finely stranded with wire end ferrule (UL)	16 - 10 AWG	2,3 Lb In.	16 - 10 AWG	2,3 Lb In.
Clamping screw	M4		M4	
Stripping length	10 mm		10 mm	
Max. current	57 A		57 A	

Aluminium (Al) UL 1059	Input	Tightening Torque	Output	Tightening Torque
Solid	50 - 300 mm²	65 Nm	50 - 300 mm²	65 Nm
Solid (UL)	300 kcmil - 600 kcmil	575.3 Lb In.	300 kcmil - 600 kcmil	575.3 Lb In.
Stranded	50 - 300 mm²	65 Nm	50 - 300 mm²	65 Nm
Stranded (UL)	300 kcmil - 600 kcmil	575.3 Lb In.	300 kcmil - 600 kcmil	575.3 Lb In.
Sector	50 - 300 mm²	65 Nm	50 - 300 mm²	65 Nm
Sector (UL)	300 kcmil - 600 kcmil	575.3 Lb In.	300 kcmil - 600 kcmil	575.3 Lb In.
Clamping screw	M24		M24	
Stripping length	34 mm		34 mm	
Max. current	340 A / 340 A (UL)		340 A / 340 A (UL)	

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
grey	WPD 133 1X300/1X300 GY	1	2502850000	WPD 233 2X300/2X300 GY	1	2502900000
blue	WPD 133 1X300/1X300 BL	1	2502860000	WPD 233 2X300/2X300 BL	1	2502910000
brown	WPD 133 1X300/1X300 BN	1	2502880000	WPD 233 2X300/2X300 BN	1	2502930000
green	WPD 133 1X300/1X300 GN	1	2502870000	WPD 233 2X300/2X300 GN	1	2502920000
black	WPD 133 1X300/1X300 BK	1	2502890000	WPD 233 2X300/2X300 BK	1	2502940000

Accessories

	Type	Qty.	Order No.	Type	Qty.	Order No.
Dust cap	WPDPC X33 GY	8	2503390000	WPDPC X33 GY	8	2503390000
Allen key set	SKS 2,0-8,0 MR	1	9008870000	SKS 2,0-8,0 MR	1	9008870000
Identification systems	DEK 5/8 MC NE WS	800	1856740000	DEK 5/8 MC NE WS	800	1856740000

For detailed information on other accessories and application in the online catalogue

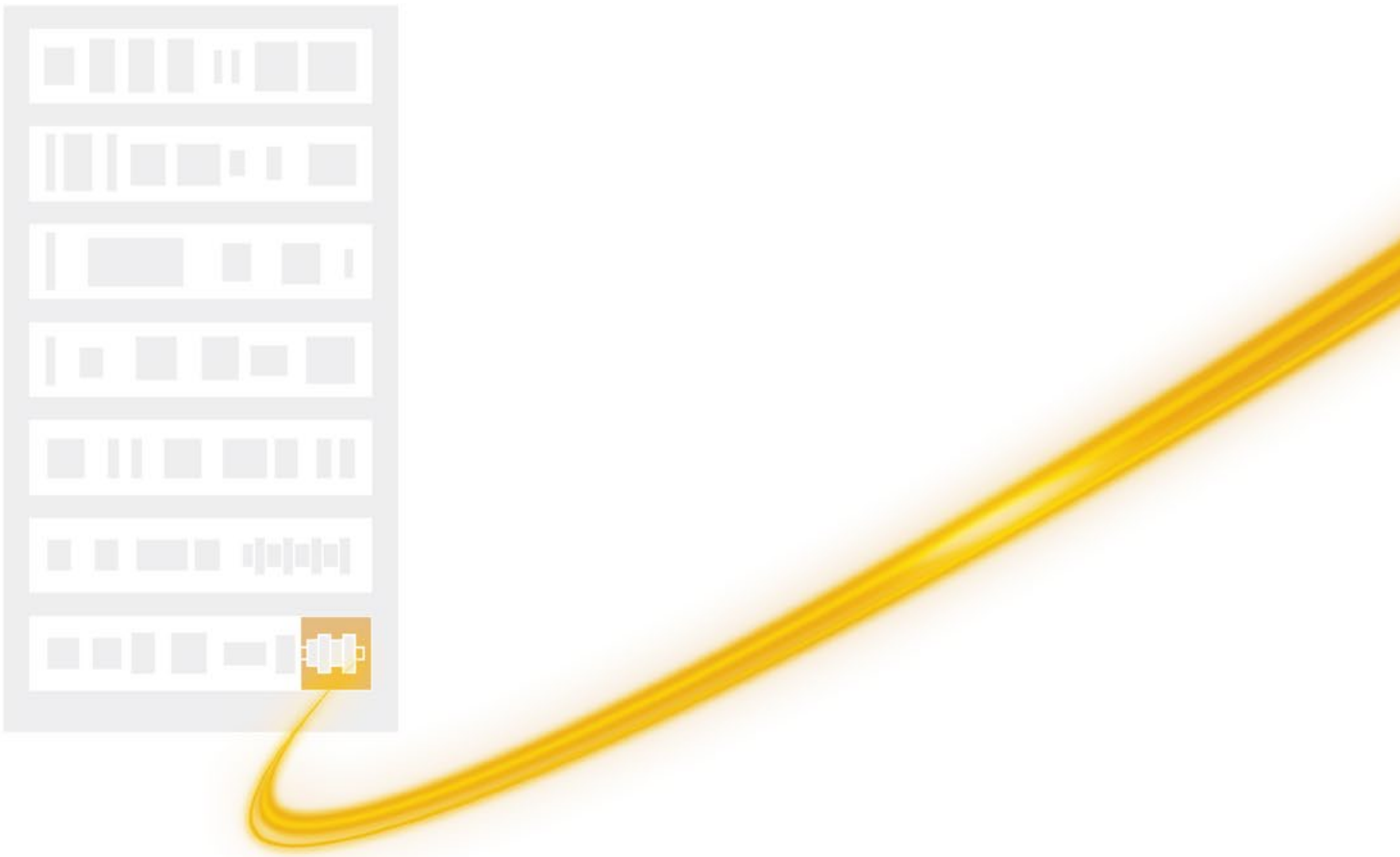
The secure and efficient way of distributing power

Klippon® Connect provides the required flexibility

Safe power supply to equipment such as motors is decisive for the availability of plants and machines. The use of increasingly large wire cross-sections and restricted space in the panel is increasing the demands on terminal blocks and distribution blocks and posing new challenges for panel planners. Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.

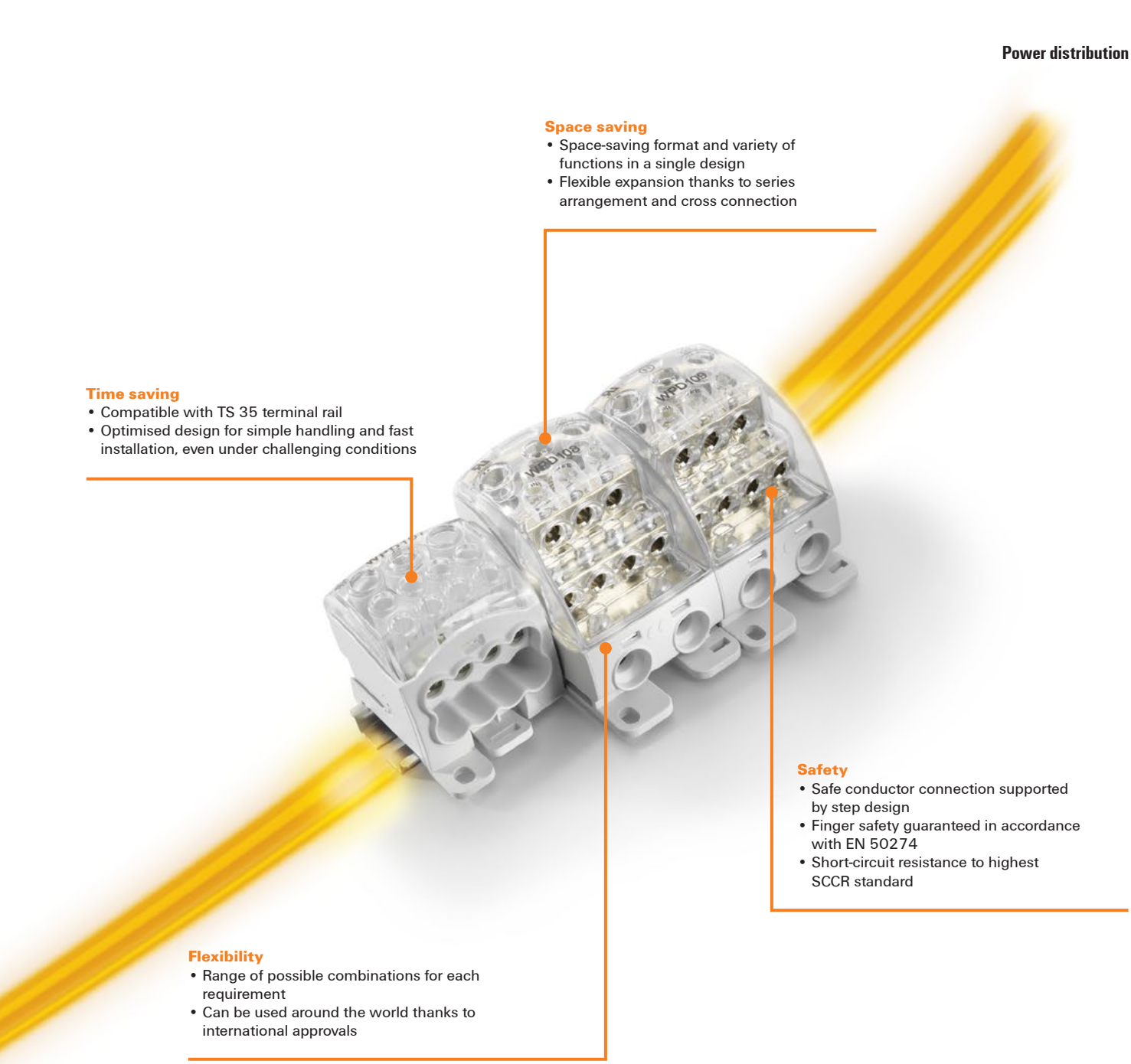
Our promise

Rapid installation and flexible combination options with Klippon® Connect, for simple, space-saving installation and increased productivity in the construction of switchgear and panel. This makes the design of your power distribution system noticeably more efficient.



Space saving
- Space-saving format and variety of functions in a single design
- Flexible expansion thanks to series arrangement and cross connection

Time saving
- Compatible with TS 35 terminal rail
- Optimised design for simple handling and fast installation, even under challenging conditions



Safety
- Safe conductor connection supported by step design
- Finger safety guaranteed in accordance with EN 50274
- Short-circuit resistance to highest SCCR standard

Flexibility
- Range of possible combinations for each requirement
- Can be used around the world thanks to international approvals

Our range

More space, more options – even for aluminium wires:
The slim design of our WPD X01–X03 main line branch terminals saves a great deal of space. With certification for aluminium conductors according to IEC 61238 “Class A” and a permissible voltage of 1,000 V DC, they meet all the requirements of complex applications.

All-rounder for a better overview:
Our WPD X00 & X04-X09 distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.

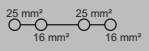
WPD 101

Main line branch terminals

WPD 301

Main line branch terminals

	WPD 101	WPD 301
Width/Depth/Height	17.8 / 49.3 / 55.7	53.4 / 49.3 / 55.7
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	152 A	152 A
UL 94 flammability rating	V-0	V-0



Technical data

	WPD 101	WPD 301
	IEC 60947-7-1, IEC 61238-1, VDE 0603-2	IEC 60947-7-1, IEC 61238-1, VDE 0603-2
Inputs		
top / mid./left / mid./mid. / mid./right / bottom		
Number of connections	1 / 1	3 / 3
Solid	2.5…25mm² / 2.5…16mm²	2.5…25mm² / 2.5…16mm²
Stranded	2.5…25mm² / 2.5…16mm²	2.5…25mm² / 2.5…16mm²
Flexible with ferrule	1.5…16mm² / 1.5…10mm²	1.5…16mm² / 1.5…10mm²
Ribbon cable		
Torque	2.5Nm / 2.5Nm	2.5Nm / 2.5Nm
Clamping screw	M 6 / M 6	M 6 / M 6
Stripping length	19mm / 19mm	19mm / 19mm
Outputs		
top / mid./left / mid./mid. / mid./right / bottom		
Number of connections	1 / 1	3 / 3
Solid	2.5…25mm² / 2.5…16mm²	2.5…25mm² / 2.5…16mm²
Stranded	2.5…25mm² / 2.5…16mm²	2.5…25mm² / 2.5…16mm²
Flexible with ferrule	1.5…16mm² / 1.5…10mm²	1.5…16mm² / 1.5…10mm²
Torque	2.5Nm / 2.5Nm	2.5Nm / 2.5Nm
Clamping screw	M 6 / M 6	M 6 / M 6
Stripping length	19mm / 19mm	19mm / 19mm
Poles	1	3
Tightening torque (clamping screw for copper conductors)	2.5 Nm (1.5 mm²)	2.5 Nm (1.5 mm²)
Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm²)	4 Nm (16 mm²)
Note		

Ordering data

Version	WPD 101 Type	Qty.	Order No.	WPD 301 Type	Qty.	Order No.
blue	WPD 101 2X25/2X16 BL	5	1560670000			
grey	WPD 101 2X25/2X16 GY	5	1560730000	WPD 301 2X25/2X16 3XGY	2	1561130000
brown	WPD 101 2X25/2X16 BN	5	1561120000			
green	WPD 101 2X25/2X16 GN	5	1560650000			
black	WPD 101 2X25/2X16 BK	5	1561100000			
Note						

Accessories

Screwdriver	WPD 101 Type	current	Qty.	Order No.	WPD 301 Type	current	Qty.	Order No.
Standard	SDK PZ2		1	9008540000	SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

WPD 401

Main line branch terminals

81.5 / 49.3 / 55.7
1000 V AC
1000 V DC
152 A
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
	4		4	
	2.5...25mm²		2.5...16mm²	
	2.5...25mm²		2.5...16mm²	
	1.5...16mm²		1.5...10mm²	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

top	mid./left	mid./mid.	mid./right	bottom
	4		4	
	2.5...25mm²		2.5...16mm²	
	2.5...25mm²		2.5...16mm²	
	1.5...16mm²		1.5...10mm²	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

4
2.5 Nm (1.5 mm²)
4 Nm (16 mm²)

Type	Qty.	Order No.
WPD 401 2X25/2X16 3XGY/1XBL	1	1562130000
WPD 401 2X25/2X16 4XGY	1	1561800000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

WPD 501

Main line branch terminals

88.8 / 49.3 / 55.7
1000 V AC
1000 V DC
152 A
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
	5		5	
	2.5...25mm²		2.5...16mm²	
	2.5...25mm²		2.5...16mm²	
	1.5...16mm²		1.5...10mm²	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

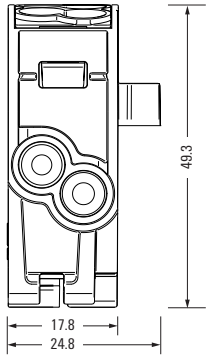
top	mid./left	mid./mid.	mid./right	bottom
	5		5	
	2.5...25mm²		2.5...16mm²	
	2.5...25mm²		2.5...16mm²	
	1.5...16mm²		1.5...10mm²	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	

5
2.5 Nm (1.5 mm²)
4 Nm (16 mm²)

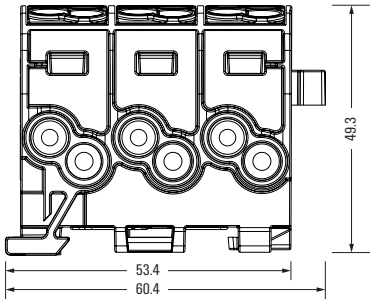
Type	Qty.	Order No.
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	1562140000
WPD 501 2X25/2X16 5XGY	1	1561750000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

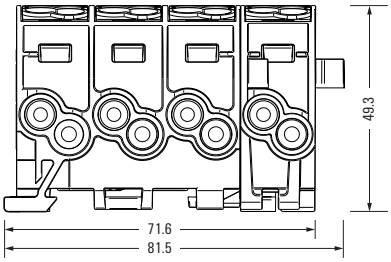
WPD 101



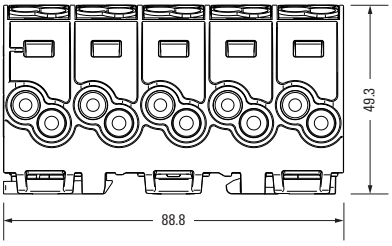
WPD 301



WPD 401



WPD 501



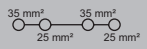
WPD 102

Main line branch terminals

WPD 202

Main line branch terminals

	WPD 102	WPD 202
Width/Depth/Height	22.2 / 49.3 / 55.4	44.4 / 49.3 / 55.4
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	202 A	202 A
UL 94 flammability rating	V-0	V-0



Technical data

	WPD 102	WPD 202
	IEC 60947-7-1, IEC 61238-1, VDE 0603-2	IEC 60947-7-1, IEC 61238-1, VDE 0603-2
Inputs		
Number of connections	1	2
Solid	4…35mm²	4…35mm²
Stranded	4…35mm²	4…35mm²
Flexible with ferrule	2.5…25mm²	2.5…25mm²
Ribbon cable		
Torque	3.5Nm	3.5Nm
Clamping screw	M 8	M 8
Stripping length	22mm	22mm
Outputs		
Number of connections	1	2
Solid	4…35mm²	4…35mm²
Stranded	4…35mm²	4…35mm²
Flexible with ferrule	2.5…25mm²	2.5…25mm²
Torque	3.5Nm	3.5Nm
Clamping screw	M 8	M 8
Stripping length	22mm	22mm
Poles	1	2
Tightening torque (clamping screw for copper conductors)	3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)	3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)
Tightening torque (clamping screw for aluminium conductors)	8 Nm (35 mm²) / 4 Nm (25 mm²)	8 Nm (35 mm²) / 4 Nm (25 mm²)

	WPD 102	WPD 202
Note		

	top	mid./left	mid./mid.	mid./right	bottom
WPD 102					
WPD 202					

Ordering data

Version	WPD 102 Type	Qty.	Order No.	WPD 202 Type	Qty.	Order No.
blue	WPD 102 2X35/2X25 BL	5	1561640000	WPD 202 4x35/4x25 BL	2	1561700000
grey	WPD 102 2X35/2X25 GY	5	1561680000	WPD 202 4x35/4x25 GY	2	1561730000
brown	WPD 102 2X35/2X25 BN	5	1561650000	WPD 202 4x35/4x25 BN	2	1561720000
green	WPD 102 2X35/2X25 GN	5	1561670000	WPD 202 4x35/4x25 GN	2	1561620000
black	WPD 102 2X35/2X25 BK	5	1561630000	WPD 202 4x35/4x25 BK	2	1561690000

Note

Accessories

Screwdriver	WPD 102 Type	current	Qty.	Order No.	WPD 202 Type	current	Qty.	Order No.
Standard	SDK PZ2		1	9008540000	SDK PZ2		1	9008540000
Standard								

For detailed information on other accessories and application in the online catalogue

WPD 302

Main line branch terminals

66.6 / 49.3 / 55.4
1000 V AC
1000 V DC
202 A
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	4...35mm²		2.5...25mm²	
	4...35mm²		2.5...25mm²	
	2.5...25mm²		1.5...16mm²	
	3.5Nm		2.5Nm	
	M 8			
	22mm		18mm	

top	mid./left	mid./mid.	mid./right	bottom
	3		3	
	4...35mm²		2.5...25mm²	
	4...35mm²		2.5...25mm²	
	2.5...25mm²		1.5...16mm²	
	3.5Nm		2.5Nm	
	M 8			
	22mm		18mm	

3
3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)
8 Nm (35 mm²) / 4 Nm (25 mm²)

Type	Qty.	Order No.
WPD 302 2X35/2X25 3XGY	2	**1561740000**

Type	current	Qty.	Order No.
SDK PZ2		1	**9008540000**

WPD 103

Main line branch terminals

32.8 / 53.3 / 63
1000 V AC
1000 V DC
300 A
V-0

IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm²		6...50mm²	
	10...70mm²		6...50mm²	
	6...50mm²		4...35mm²	
	10Nm		6Nm	
	M 10		M 8	
	25mm		20mm	

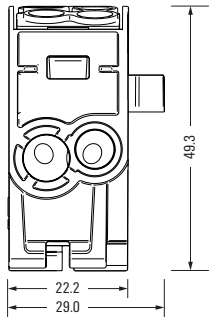
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	10...70mm²		6...50mm²	
	10...70mm²		6...50mm²	
	6...50mm²		4...35mm²	
	10Nm		6Nm	
			M 8	
	25mm		20mm	

1
10 Nm (70 mm²) / 6 Nm (50 mm²)
4 Nm (25 mm²) / 8 Nm (35 mm²) / 10 Nm (50 mm²) / 18 Nm (70 mm²)

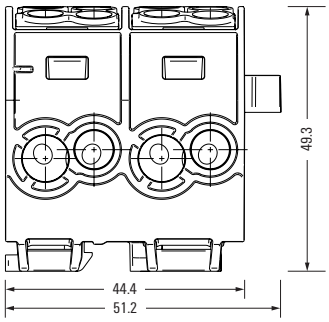
Type	Qty.	Order No.
WPD 103 2X70/2X50 BL	3	**1561780000**
WPD 103 2X70/2X50 GY	3	**1561770000**
WPD 103 2X70/2X50 BN	3	**1561820000**
WPD 103 2X70/2X50 GN	3	**1561790000**
WPD 103 2X70/2X50 BK	3	**1561830000**

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	**9008870000**

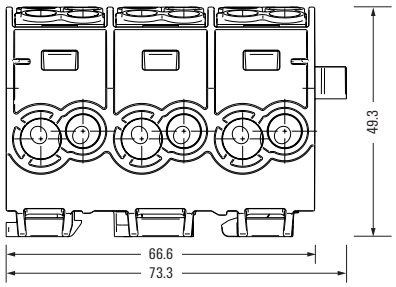
WPD 102



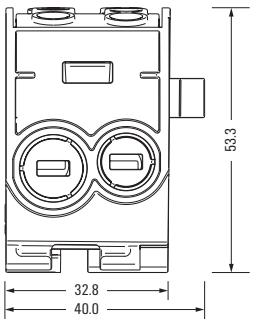
WPD 202



WPD 302



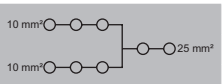
WPD 103



WPD 100

Sub-distributor block

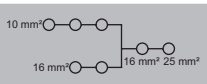
Width/Depth/Height	28 / 49 / 55.4
Rated AC voltage	690 V AC
Rated DC voltage	690 V DC
Rated current	100 A
UL 94 flammability rating	V-0



WPD 104

Phase distributor block

Width/Depth/Height	31.5 / 49 / 68
Rated AC voltage	1000 V AC
Rated DC voltage	1000 V DC
Rated current	101 A
UL 94 flammability rating	V-0



Technical data

Inputs	WPD 100	WPD 104
	IEC 60998-2-1	IEC 60947-7-1, UL 1059
	top / mid./left / mid./mid. / mid./right / bottom	top / mid./left / mid./mid. / mid./right / bottom
Number of connections	1 / 1	1 / 1
Solid	2.5…25mm² / 2.5…25mm²	2.5…25mm² / 1.5…16mm²
Stranded	2.5…25mm² / 2.5…25mm²	2.5…25mm² / 1.5…16mm²
Flexible with ferrule	1.5…16mm² / 1.5…16mm²	1.5…16mm² / 1.5…10mm²
Ribbon cable		
Torque	3Nm / 3Nm	2.5Nm / 2.5Nm
Clamping screw	M 6 / M 6	M 6 / M 6
Stripping length	17mm / 17mm	19mm / 19mm
Outputs	**top / mid./left / mid./mid. / mid./right / bottom**	**top / mid./left / mid./mid. / mid./right / bottom**
Number of connections	3 / 3	3 / 2
Solid	1.5…10mm² / 1.5…10mm²	1.5…10mm² / 1.5…16mm²
Stranded	1.5…10mm² / 1.5…10mm²	1.5…10mm² / 1.5…16mm²
Flexible with ferrule	1.5…6mm² / 1.5…6mm²	1.5…6mm² / 1.5…16mm²
Torque	2Nm / 2Nm	2Nm / 2.5Nm
Clamping screw	M 5 / M 5	M 5 / M 6
Stripping length	9mm / 9mm	12mm / 14mm
Poles	1	1
Tightening torque (clamping screw for copper conductors)	3 Nm (25 mm²) / 2 Nm (10 mm²)	2.5 Nm (25 mm²) / 2 Nm (10 mm²)
Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm²) / 4 Nm (25 mm²)	5.1 Nm (10 mm²)
Note		

Ordering data

Version	Type	Qty.	Order No.
blue	WPD 100 2X25/6X10 BL	3	1561920000
grey	WPD 100 2X25/6X10 GY	3	1561910000
green	WPD 100 2X25/6X10 GN	3	1561930000
Note			

Version	Type	Qty.	Order No.
blue	WPD 104 1x25+1x16/2x16+3x10 BL	1	2518250000
grey	WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000
Note			

Accessories

Cross-connection	Type	current	Qty.	Order No.
Screwdriver				
Standard	SDK PZ2		1	9008540000
Standard				

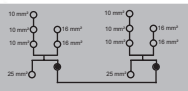
Cross-connection	Type	current	Qty.	Order No.
	WQB WPD X04/2		20	1561980000
	WQB WPD X04/3		20	1561990000
Screwdriver				
	SDK PZ2		1	9008540000
	SKS 2,0-8,0 MR		1	9008870000

For detailed information on other accessories and application in the online catalogue

WPD 204

Phase distributor block

63 / 49 / 68
1000 V AC
1000 V DC
101 A
V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	2			
	2.5...25mm²			
	2.5...25mm²			
	1.5...16mm²			
	M 6			
	19mm			

top	mid./left	mid./mid.	mid./right	bottom
6				4
1.5...10mm²				1.5...16mm²
1.5...10mm²				1.5...16mm²
1.5...6mm²				1.5...16mm²
2Nm				2.5Nm
M 5				M 6
12mm				14mm
2				
2.5 Nm (25 mm²) / 2 Nm (10 mm²)				
5.1 Nm (10 mm²)				

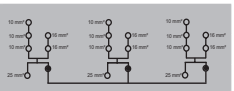
Type	Qty.	Order No.
WPD 204 2X25/4X16+6X10 2XBL	1	**2518330000**
WPD 204 2X25/4X16+6X10 2XGY	1	**1562150000**

Type	current	Qty.	Order No.
WQB WPD X04/2		20	**1561980000**
WQB WPD X04/3		20	**1561990000**
SDK PZ2		1	**9008540000**
SKS 2,0-8,0 MR		1	**9008870000**

WPD 304

Phase distributor block

94.5 / 49 / 68
1000 V AC
1000 V DC
101 A
V-0



IEC 60947-7-1, UL 1059

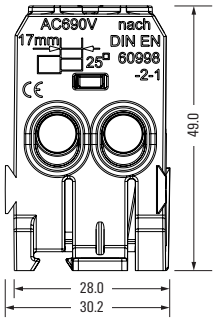
top	mid./left	mid./mid.	mid./right	bottom
	3			
	2.5...25mm²			
	2.5...25mm²			
	1.5...16mm²			
	M 6			
	19mm			

top	mid./left	mid./mid.	mid./right	bottom
9				6
1.5...10mm²				1.5...16mm²
1.5...10mm²				1.5...16mm²
1.5...6mm²				1.5...16mm²
2Nm				2.5Nm
M 5				M 6
12mm				14mm
3				
2.5 Nm (25 mm²) / 2 Nm (10 mm²)				
5.1 Nm (10 mm²)				

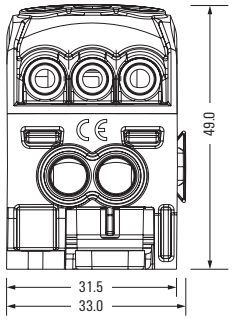
Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XBL	1	**2518340000**
WPD 304 3X25/6X16+9X10 3XGY	1	**1562160000**

Type	current	Qty.	Order No.
WQB WPD X04/2		20	**1561980000**
WQB WPD X04/3		20	**1561990000**
SDK PZ2		1	**9008540000**
SKS 2,0-8,0 MR		1	**9008870000**

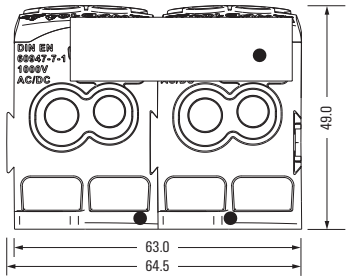
WPD 100



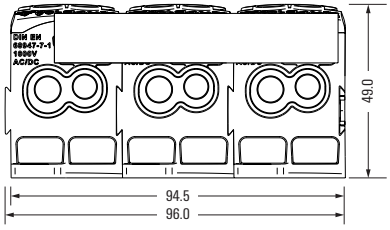
WPD 104



WPD 204

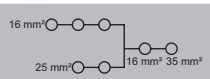


WPD 304



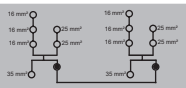
WPD 105

Phase distributor block



WPD 205

Phase distributor block



	WPD 105	WPD 205
Width/Depth/Height	35.6 / 53.7 / 70	71.2 / 53.7 / 70
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	125 A	125 A
UL 94 flammability rating	V-0	V-0

Technical data

	WPD 105	WPD 205
Inputs	IEC 60947-7-1, UL 1059	IEC 60947-7-1, UL 1059
Number of connections	1 / 1	2
Solid	4…35mm² / 1.5…16mm²	4…35mm²
Stranded	4…35mm² / 1.5…16mm²	4…35mm²
Flexible with ferrule	2.5…25mm² / 1.5…10mm²	2.5…25mm²
Ribbon cable		
Torque	3.5Nm / 2.5Nm	
Clamping screw	M 8 / M 6	M 8
Stripping length	19mm / 19mm	19mm
Outputs	top / mid./left / mid./mid. / mid./right / bottom	top / mid./left / mid./mid. / mid./right / bottom
Number of connections	3 / 2	6 / 4
Solid	1.5…16mm² / 2.5…25mm²	1.5…16mm² / 2.5…25mm²
Stranded	1.5…16mm² / 2.5…25mm²	1.5…16mm² / 2.5…25mm²
Flexible with ferrule	1.5…16mm² / 1.5…16mm²	1.5…16mm² / 1.5…16mm²
Torque	2.5Nm / 2.5Nm	2.5Nm / 2.5Nm
Clamping screw	M 6 / M 6	M 6 /
Stripping length	12mm / 14mm	12mm / 14mm
Poles	1	2
Tightening torque (clamping screw for copper conductors)	3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)	3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)
Tightening torque (clamping screw for aluminium conductors)	11.3…35 Nm (35 mm²) / 5.1…16 Nm (16 mm²)	11.3…35 Nm (35 mm²) / 5.1…16 Nm (16 mm²)
Note		

Ordering data

Version	WPD 105 Type	Qty.	Order No.	WPD 205 Type	Qty.	Order No.
blue	WPD 105 1x35+1x16/2x25+3x16 BL	1	**2518540000**	WPD 205 2X35/4X25+6X16 2XBL	1	**2519470000**
grey	WPD 105 1x35+1x16/2x25+3x16 GY	1	**1562170000**	WPD 205 2X35/4X25+6X16 2XGY	1	**1562180000**
Note						

Accessories

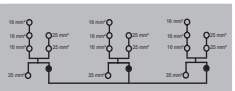
Cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
	WQB WPD X05/2		20	**1561960000**	WQB WPD X05/2		20	**1561960000**
	WQB WPD X05/3		20	**1561970000**	WQB WPD X05/3		20	**1561970000**
Screwdriver								
Standard	SDK PZ2		1	**9008540000**	SDK PZ2		1	**9008540000**
Standard	SKS 2,0-8,0 MR		1	**9008870000**	SKS 2,0-8,0 MR		1	**9008870000**

For detailed information on other accessories and application in the online catalogue

WPD 305

Phase distributor block

106.8 / 53.7 / 70
1000 V AC
1000 V DC
125 A
V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	3			
	4...35mm²			
	4...35mm²			
	2.5...25mm²			
	M 8			
	19mm			

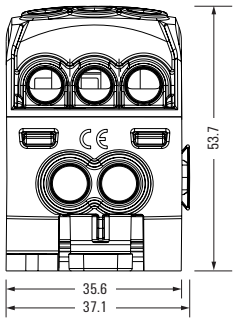
top	mid./left	mid./mid.	mid./right	bottom
9				6
1.5...16mm²				2.5...25mm²
1.5...16mm²				2.5...25mm²
1.5...16mm²				1.5...16mm²
2.5Nm				2.5Nm
M 6				
12mm				14mm

3
3.5 Nm (35 mm²) / 2.5 Nm (25 mm²)
11.3...35 Nm (35 mm²) / 5.1...16 Nm (16 mm²)

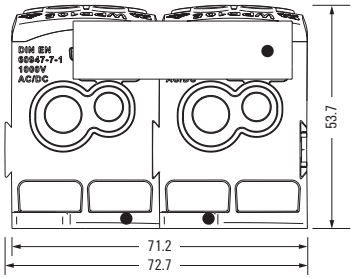
Type	Qty.	Order No.
WPD 305 3X35/6X25+9X16 3XBL	1	2521770000
WPD 305 3X35/6X25+9X16 3XGY	1	1562190000

Type	current	Qty.	Order No.
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

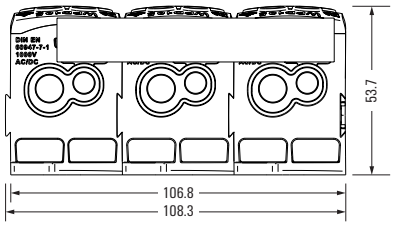
WPD 105



WPD 205

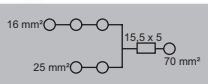


WPD 305



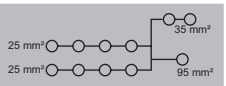
WPD 106

Phase distributor block



WPD 107

Phase distributor block



	WPD 106	WPD 107
Width/Depth/Height	39.5 / 50.4 / 74.5	51 / 54.5 / 73
Rated AC voltage	1000 V AC	1000 V AC
Rated DC voltage	1000 V DC	1000 V DC
Rated current	192 A	232 A
UL 94 flammability rating	V-0	V-0

Technical data

	WPD 106	WPD 107
	IEC 60947-7-1, UL 1059	IEC 60947-7-1, UL 1059
Inputs		
Number of connections	1 / 1	1 / 1 / 1
Solid	10…70mm²	4…35mm² / 16…95mm² / 4…35mm²
Stranded	10…70mm²	4…35mm² / 16…95mm² / 4…35mm²
Flexible with ferrule	6…50mm²	2.5…25mm² / 10…70mm² / 2.5…25mm²
Ribbon cable	15.5 x 5 mm	
Torque	10Nm / 2Nm	3.5Nm / 14Nm / 3.5Nm
Clamping screw	M 10 x 1 / M 5 x 20	M 8 / M 12 / M 8
Stripping length	17mm / 17mm	12mm / 14mm / 12mm
Outputs		
Number of connections	3 / 4 / 2	4 / 4 / 4
Solid	1.5…16mm² / 1.5…16mm² / 2.5…25mm²	2.5…25mm² / 1.5…16mm² / 2.5…25mm²
Stranded	1.5…16mm² / 1.5…16mm² / 2.5…25mm²	2.5…25mm² / 1.5…16mm² / 2.5…25mm²
Flexible with ferrule	1.5…16mm² / 1.5…16mm² / 1.5…16mm²	1.5…16mm² / 1.5…16mm² / 1.5…16mm²
Torque	2Nm / 2Nm / 2Nm	2.5Nm / 2Nm / 2.5Nm
Clamping screw	M 6 x 8 / M 6 x 8 / M 6 x 8	M 6 / M 6 x 8 / M 6
Stripping length	12mm / 12mm / 12mm	12mm / 12mm / 12mm
Poles	1	1
Tightening torque (clamping screw for copper conductors)	10 Nm (70 mm²) / 2 Nm (25 mm²)	3.5 Nm (35 mm²) / 14 Nm (95 mm²) / 2.5 Nm (25 mm²)
Tightening torque (clamping screw for aluminium conductors)	13.6…5.1 Nm (25 mm²) / 5.1 Nm (25 mm²)	22.6…95 Nm (95 mm²) / 11.3…35 Nm (35 mm²) / 5.1…25 Nm (25 mm²)
Note		

Ordering data

Version	Type	Qty.	Order No.
blue	WPD 106 1X70/2X25+3X16 BL	1	2518570000
grey	WPD 106 1X70/2X25+3X16 GY	1	1562210000

Note

Version	Type	Qty.	Order No.
blue	WPD 107 1X95/2X35+8X25 BL	1	2521730000
grey	WPD 107 1X95/2X35+8X25 GY	1	1562220000

Note

Accessories

Screwdriver	Type	current	Qty.	Order No.
Standard	SKS 2,0-8,0 MR		1	9008870000
Standard				

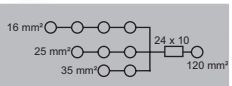
Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

WPD 108

Phase distributor block

51.1 / 77 / 95
1000 V AC
1500 V DC
250 A
V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		35...120mm²		
		35...120mm²		
		25...95mm²		
				24 x 10 mm
		19Nm		3Nm
		M 14 x 1		M 6 x 30
		27mm		22mm
top	**mid./left**	**mid./mid.**	**mid./right**	**bottom**
3		4		2
2.5...25mm²		1.5...16mm²		4...35mm²
2.5...25mm²		1.5...16mm²		4...35mm²
1.5...16mm²		1.5...16mm²		2.5...25mm²
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

19...120 Nm (120 mm²) / 2...25 Nm (25 mm²) / 2.5...35 Nm (35 mm²)

22.6...120 Nm (120 mm²) / 11.3...35 Nm (35 mm²) / 5.1...25 Nm (25 mm²)

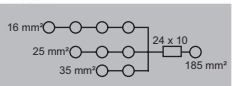
Type	Qty.	Order No.
WPD 108 1X120/2X35+3X25+4X16 BL	1	**2519480000**
WPD 108 1X120/2X35+3X25+4X16 GY	1	**1562100000**

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	**9008870000**

WPD 109

Phase distributor block

51.1 / 77 / 95
1000 V AC
1500 V DC
353 A
V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		95...185mm²		
		70...185mm²		
		70...150mm²		
				24 x 10 mm
		19Nm		3Nm
		M 14 x 1		M 6 x 30
		27mm		22mm
top	**mid./left**	**mid./mid.**	**mid./right**	**bottom**
3		4		2
2.5...25mm²		1.5...16mm²		4...35mm²
2.5...25mm²		1.5...16mm²		4...35mm²
1.5...16mm²		1.5...16mm²		2.5...25mm²
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

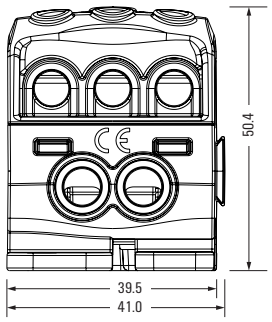
19 Nm (185 mm²) / 2 Nm (25 mm²) / 2.5 Nm (35 mm²)

22.59 Nm (25 mm²) / 5...11.29 Nm (16 mm²)

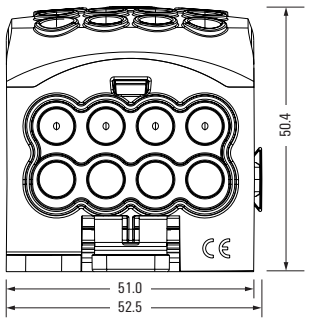
Type	Qty.	Order No.
WPD 109 1X185/2X35+3X25+4X16 BL	1	**2519490000**
WPD 109 1X185/2X35+3X25+4X16 GY	1	**1562090000**

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	**9008870000**

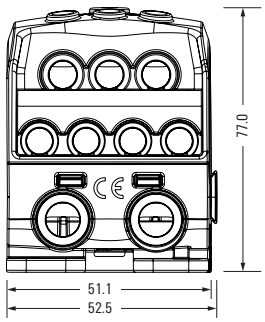
WPD 106



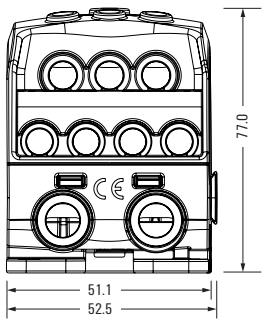
WPD 107



WPD 108



WPD 109



Power distribution / Power feed-in
Screw connection

Socket wides - overview WPD

	WPD 104	WPD 105	WPD 106	WPD 107	WPD 108	WPD109
Inputs						
Main connection point ["A"]	SW 3 (M6x10)	SW 4 (M8x12)	SW 5 (M10x1x12)	SW 6 (M12x16)	SW 6 (M14x1,5x18)	SW 6 (M14x1,5x18)
Second connetion point / cross connection ["B"]	Pozi 2 (M6x11)	Pozi 2 (M6x11)				
Connection input or output with 2 x 35mm²				SW 4 (M8x12)		
Ribbon cable connection 15.5 x 5 mm			SW 4 (M5x20)			
Ribbon cable connection 24 x 10 mm					SW 5 (M6x30)	SW 5 (M6x30)
Outputs						
2 x 16 mm²	SW 3 (M6x8)					
3 x 10 mm²	SW 2,5 (M5x8)					
2 x 25 mm²		SW 3 (M6x10)	SW 3 (M6x8)			
3 x 16 mm²		SW 3 (M6x8)	SW 3 (M6x8)			
8 x 25 mm²				SW 3 (M6x10)		
2 x 35 mm²					SW 4 (M8x10)	SW 4 (M8x10)
3 x 25 mm²					SW 3 (M6x8)	SW 3 (M6x8)
4 x 16 mm²					SW 3 (M6x8)	SW 3 (M6x8)

	WPD 130	WPD 230	WPD 330	WPD 131	WPD 231	WPD 132	WPD 232	WPD 133	WPD 233
Inputs									
1 x 50 mm²	SW 5 (M10x1,25)								
2 x 50 mm²		SW 5 (M10x1,25)							
3 x 50 mm²			SW 5 (M10x1,25)						
1 x 95 mm²				SW 6 (M14x1,5)					
2 x 95 mm²					SW 6 (M14x1,5)				
1 x 185 mm²						SW 10 (M18x2)			
2 x 185 mm²							SW 10 (M18x2)		
1 x 300 mm²								SW 12 (M24x2)	
2 x 300 mm²									SW 12 (M24x2)
Outputs									
1 x 50 mm²	SW 5 (M10x1,25)								
2 x 50 mm²		SW 5 (M10x1,25)							
3 x 50 mm²			SW 5 (M10x1,25)						
1 x 95 mm²				SW 6 (M14x1,5)					
2 x 95 mm²					SW 6 (M14x1,5)				
1 x 185 mm²						SW 10 (M18x2)			
2 x 185 mm²							SW 10 (M18x2)		
1 x 300 mm²								SW 12 (M24x2)	
2 x 300 mm²									SW 12 (M24x2)

	WPD 101	WPD 301	WPD 401	WPD 501	WPD 102	WPD 202	WPD 302	WPD 103
Inputs								
1 x 16 mm²	cross recess+/- G2 (M6)							
1 x 25 mm²	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm²						cross recess+/- G2 (M6)		
3 x 16 mm²		cross recess+/- G2 (M6)						
3 x 25 mm²		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm²			cross recess+/- G2 (M6)					
4 x 25 mm²			cross recess+/- G2 (M6)					
5 x 16 mm²				cross recess+/- G2 (M6)				
5 x 25 mm²				cross recess+/- G2 (M6)				
1 x 35 mm²					cross recess+/- G2 (M8)			
2 x 35 mm²						cross recess+/- G2 (M8)		
3 x 35 mm²							cross recess+/- G2 (M8)	
1 x 50 mm²								hexagonal recess SW4 (M8)
1 x 70 mm²								hexagonal recess SW4 (M10)
Outputs								
1 x 16 mm²	cross recess+/- G2 (M6)							
1 x 25 mm²	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm²						cross recess+/- G2 (M6)		
3 x 16 mm²		cross recess+/- G2 (M6)						
3 x 25 mm²		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm²			cross recess+/- G2 (M6)					
4 x 25 mm²			cross recess+/- G2 (M6)					
5 x 16 mm²				cross recess+/- G2 (M6)				
5 x 25 mm²				cross recess+/- G2 (M6)				
1 x 35 mm²					cross recess+/- G2 (M8)			
2 x 35 mm²						cross recess+/- G2 (M8)		
3 x 35 mm²							cross recess+/- G2 (M8)	
1 x 50 mm²								hexagonal recess SW4 (M8)
1 x 70 mm²								hexagonal recess SW4 (M10)

Conductor connection data WPD

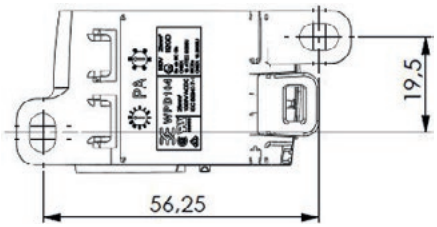
Type		Input side										
		Copper					Aluminium					
		solid	stranded	Finely stranded with wire end ferrule	flat band	Tightening Torque	solid	stranded	flexible with ferrule	sector shape	Tightening Torque
WPD 130/230/330		6–50 mm² 10 – 1/0 AWG	6–50 mm² 10 – 1/0 AWG	4–35 mm² 12 – 2 AWG		10 Nm 16,9 Nm	50 mm² 1/0 AWG	50 mm² 1/0 AWG		50 mm² 1/0 AWG	14 Nm
		16 – 25 mm²	16 – 25 mm²	16 – 25 mm²		8–10 Nm	35 mm² 2 AWG	35 mm² 2 AWG	35 mm² 2 AWG	35 mm² 2 AWG	14 Nm
		6 – 10 mm²	6 – 10 mm²	4 – 10 mm²		6–10 Nm	25 mm² 4 AWG	25 mm² 4 AWG	25 mm² 4 AWG	25 mm² 4 AWG	10 Nm
		35 – 50 mm²	35 – 50 mm²	35 – 50mm²		10 Nm	16 mm² 6 AWG	16 mm² 6 AWG	16 mm² 6 AWG	16 mm² 6 AWG	10 Nm
WPD 131/231		16 – 95 mm² 6 – 3/0 AWG	16 – 95 mm² 6 – 3/0 AWG	10 – 70 mm² 8 – 2/0 AWG		19 Nm 22,6 Nm	16 – 95 mm² 6 – 3/0 AWG	16 – 95 mm² 6 – 3/0 AWG		16 – 95 mm² 6 – 3/0 AWG	22,6 Nm
		50 – 95 mm²	50 – 95 mm²	35 – 70 mm²		19 Nm					
		16 – 35 mm²	16 – 35 mm²	10 – 25 mm²		14 Nm					
WPD 132/232		95 – 185 mm² 3/0 AWG – 350 kcmil	95 – 185 mm² 3/0 AWG – 350 kcmil	70 – 150 mm² 2/0 AWG – 300 kcmil		25 Nm 28,2 Nm	95 – 185 mm² 3/0 AWG – 350 kcmil	95 – 185 mm² 3/0 AWG – 350 kcmil		95 – 185 mm² 3/0 AWG – 350 kcmil	45 Nm
				25–50 mm²		20 Nm					
WPD 133/233		150 – 300 mm² 300 – 600 kcmil	150 – 300 mm² 300 – 600 kcmil	120 – 240 mm² 250 – 500 kcmil	–	45 Nm 33,9 Nm	150 – 300 mm² 300 – 600 kcmil	150 – 300 mm² 300 – 600 kcmil		150 – 300 mm² 300 – 600 kcmil	65 Nm
				35–95 mm²		30 Nm					
WPD x01	2 x 25 mm²	2,5 – 25 mm² 14 – 6 AWG	2,5 – 25 mm² 14 – 4 AWG	1,5 mm² – 16 mm² 14 – 4 AWG	–	2,5 Nm 22,1 LB In.	25 mm² 4 AWG	25 mm² 4 AWG		25 mm² 4 AWG	4 Nm 35 LB In.
	2 x 16 mm²	1,5 – 16 mm² 16 – 6 AWG	1,5 – 16 mm² 16 – 6 AWG	1,5 – 10 mm² 14 – 4 AWG		2,5 Nm 22,1 LB In.	16 mm² 6 AWG	16 mm² 6 AWG		16 mm² 6 AWG	4 Nm 35 LB In.
WPD x02	2 x 35 mm²	4 – 35 mm² 12 – 2 AWG	4 – 35 mm² 12 – 2 AWG	2,5 – 25 mm² 12 – 2 AWG		3,5 Nm 31 LB In.	16 – 35 mm² 6 – 2 AWG	16 – 35 mm² 6 – 2 AWG		16 – 35 mm² 6 – 2 AWG	4 – 8 Nm 35 – 70.8 LB In.
	2 x 25 mm²	2,5 – 25 mm² 14 – 6 AWG	2,5 – 25 mm² 14 – 4 AWG	1,5 mm² – 16 mm² 14 – 6 AWG		3,5 Nm 22,1 LB In.	16 – 25 mm² 4 – 6 AWG	16 – 25 mm² 4 – 6 AWG		16 – 25 mm² 4 – 6 AWG	4 – 6 Nm 35 – 53 LB In.
WPD x03	2 x 70 mm²	10 –70 mm² 8 – 6 AWG	10 –70 mm² 8 – 2/0 AWG	6 – 50 mm² 10 – 1/0 AWG	–	10 Nm 88,5 LB In.	25 – 70 mm² 4 – 2/0 AWG	25 – 70 mm² 4 – 2/0 AWG		25 – 70 mm² 4 – 2/0 AWG	6 – 18 Nm 53 – 159 LB In.
	2 x 50 mm²	6 – 50 mm² 10 – 1/0 AWG	6 – 50 mm² 10 – /0 AWG	4 – 35 mm² 12 – 2 AWG	–	6 Nm 53,1 LB In.	16 – 50 mm² 6 – 1/0 AWG	16 – 50 mm² 6 – 1/0 AWG		16 – 50 mm² 6 – 1/0 AWG	4 – 10 Nm 35 – 88,5 LB In.
WPD x04	1 x 25 mm²	2,5 – 25 mm² 14 – 6 AWG	2,5 – 25 mm² 14 – 4 AWG	1,5 – 16 mm² 16 – 6 AWG		2,5 Nm	16 – 25 mm² 6 – 4 AWG	16 – 25 mm² 6 – 4 AWG	16 mm² 6 AWG	16 – 25 mm² 6 – 4 AWG	5,1 Nm
	1 x 16 mm²	1,5 – 16 mm² 16 – 6 AWG	1,5 – 16 mm² 16 – 6 AWG	1,5 – 10 mm² 16 – 8 AWG			16 mm² 6 AWG	16 mm² 6 AWG		16 mm² 6 AWG	5,1 Nm
WPD x05	1x 35 mm²	4 – 35 mm² 12 – 2 AWG	4 – 35 mm² 12 – 2 AWG	2,5 – 25 mm² 14 – 4 AWG		3,5 Nm	16 – 35 mm² 6 – 2 AWG	16 – 35 mm² 6 – 2 AWG	16 – 25 mm² 6 – 4 AWG	16 – 35 mm² 6 – 2 AWG	11,3 Nm
	1 x 16 mm²	1,5 – 16 mm² 16 – 6 AWG	1,5 – 16 mm² 16 – 6 AWG	1,5 – 10 mm² 16 – 8 AWG		2,5 Nm	16 mm² 6 AWG	16 mm² 6 AWG		16 mm² 6 AWG	5,1
WPD x06	1 x 70 mm²	10 – 70 mm² 8 – 2/0 AWG	10 – 70 mm² 8 – 2/0 AWG	6 – 50 mm² 10 – 1/0 AWG		10 Nm	16 – 70 mm² 6 – 2/0 AWG	16 –70 mm² 6 – 2/0 AWG	16 – 50 mm² 6 – 1/0 AWG	16 –70 mm² 6 – 2/0 AWG	13,6 Nm
WPD x07	1 x 95 mm²	16 – 95 mm² 6 – 3/0 AWG	16 – 95 mm² 6 – 3/0 AWG	10 – 70 mm² 8 – 2/0 AWG		14 Nm	16 – 95 mm² 6 – 3/0 AWG	16 – 95 mm² 6 – 3/0 AWG	16 – 70 mm² 6 – 2/0 AWG	16 – 95 mm² 6 – 3/0 AWG	22,6 Nm
	2 x 35 mm²	4 – 35 mm² 12 – 2 AWG	4 – 35 mm² 12 – 2 AWG	2,5 – 25 mm² 14 – 4 AWG		3,5 Nm	16 – 35 mm² 6 – 2 AWG	16 – 35 mm² 6 – 2 AWG	16 – 25 mm² 6 – 4 AWG	16 – 35 mm² 6 – 2 AWG	11,3 Nm
WPD x08	1 x 120 mm²	35 – 120 mm² 2 – 250 AWG	35 – 120 mm² 2 – 250 AWG	25 – 95 mm² 4 – 3/0 AWG		19 Nm	35 – 120 mm² 2 – 250 AWG	35 – 120 mm² 2 – 250 AWG	25 – 95 mm² 4 – 3/0 AWG	35 – 120 mm² 2 – 250 AWG	22,6 Nm
WPD x09	1x 185 mm²	95 – 185 mm² 3/0 – 350 AWG	95 – 185 mm² 3/0 – 350 AWG	70 – 150 mm² 2/0 – 300 AWG		19 Nm 25 Nm	Line 3/0 – 350 Kcmil	Line 3/0 – 350 Kcmil	Line 2/0 – 300 Kcmil	Line 3/0 – 350 Kcmil	–

Output side												Auxiliary connection			
Copper						Aluminium									
	solid	stranded	Finely stranded with wire end ferrule	Tightening Torque		solid	stranded	Finely stranded with wire end ferrule	sector shape	Tightening Torque		solid	stranded	Finely stranded with wire end ferrule	Tightening Torque
	6 - 50 mm² 10 - 1/0 AWG	6 - 50 mm² 10 - 1/0 AWG	4 - 35 mm² 12 - 2 AWG	10 Nm 16,9 Nm		50 mm² 1/0 AWG	50 mm² 1/0 AWG		50 mm² 1/0 AWG	14 Nm					
						35 mm² 2 AWG	35 mm² 2 AWG	35 mm² 2 AWG	35 mm² 2 AWG	14 Nm					
						25 mm² 4 AWG	25 mm² 4 AWG	25 mm² 4 AWG	25 mm² 4 AWG	10 Nm					
						16 mm² 6 AWG	16 mm² 6 AWG	16 mm² 6 AWG	16 mm² 6 AWG	10 Nm					
	16 - 95 mm² 6 - 3/0 AWG	16 - 95 mm² 6 - 3/0 AWG	10 - 70 mm² 8 - 2/0 AWG	19 Nm 22,6 Nm		16-95 mm² 6 - 3/0 AWG	16-95 mm² 6 - 3/0 AWG	10-70 mm² 8 - 2/0 AWG	16-95 mm² 6 - 3/0 AWG	22,6 Nm		1,5 - 10 mm² 16 - 8 AWG	1,5 - 6 mm² 16 - 10 AWG		1,2 Nm
	95 - 185 mm² 3/0 AWG - 350 kcmil	95 - 185 mm² 3/0 AWG - 350 kcmil	70 - 150 mm² 2/0 AWG - 300 kcmil	25 Nm 28,2 Nm		95 -185 mm² 3/0 AWG - 350 kcmil	95 -185 mm² 3/0 AWG - 350 kcmil	70 -150 mm² 2/0 AWG - 300 kcmil	95 -185 mm² 3/0 AWG - 350 kcmil	45 Nm		1,5 - 10 mm² 16 - 8 AWG	1,5 - 10 mm² 16 - 8 AWG	1,5 - 6 mm² 16 - 10 AWG	1,2 Nm
	150 - 300 mm² 300 - 600 kcmil	150 - 300 mm² 300 - 600 kcmil	120 - 240 mm² 250 - 500 kcmil	45 Nm 33,9 Nm		150 - 300 mm² 300 - 600 kcmil	150 - 300 mm² 300 - 600 kcmil	120 - 240 mm² 250 - 500 kcmil	150 - 300 mm² 300 - 600 kcmil	65 Nm		1,5 - 10 mm² 16 - 8 AWG	1,5 - 10 mm² 16 - 8 AWG	1,5 - 6 mm² 16 - 10 AWG	1,2 Nm
2 x 25 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 mm² - 16 mm² 14 - 4 AWG	2,5 Nm 22,1 LB In.		25 mm² 4 AWG	25 mm² 4 AWG	1,5 mm² - 16 mm² 14 - 4 AWG	25 mm² 4 AWG	4 Nm 35 LB In.					
2 x 16 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 16 mm² 14 - 6 AWG	1,5 - 10 mm² 14 - 4 AWG	2,5 Nm 22,1 LB In.		16 mm² 6 AWG	16 mm² 6 AWG	1,5 - 10 mm² 14 - 4 AWG	16 mm² 6 AWG	4 Nm 35 LB In.					
	4 - 16 mm² 12 - 6 AWG	4 - 35 mm² 12 - 2 AWG	2,5 - 25 mm² 12 - 2 AWG	3,5 Nm 31 LB In.		16 - 35 mm² 6 - 2 AWG	16 - 35 mm² 6 - 2 AWG	2,5 - 25 mm² 12 - 2 AWG	16 - 35 mm² 6 - 2 AWG	4 - 8 Nm 35 - 70.8 LB In.					
	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 mm² - 16 mm² 14 - 4 AWG	3,5 Nm 22,1 LB In.		16 - 25 mm² 4 - 6 AWG	16 - 25 mm² 4 - 6 AWG	1,5 mm² - 16 mm² 14 -4 AWG	16 - 25 mm² 4 - 6 AWG	4 - 6 Nm 35 - 53 LB In.					
	10 -16 mm² 8 - 6 AWG	10 -70 mm² 8 - 2/0 AWG	6 - 50 mm² 10 -1/0 AWG	10 Nm 88,5 LB In.		25 - 70 mm² 4 - 2/0 AWG	25 - 70 mm² 4 - 2/0 AWG	6 - 50 mm² 10 -1/0 AWG	25 - 70 mm² 4 - 2/0 AWG	6 - 18 Nm 53 - 159 LB In.					
	6 - 16 mm² 10 - 6 AWG	6 - 50 mm² 10 - 1/0 AWG	4 - 35 mm² 12 - 2 AWG	6 Nm 53,1 LB In.		16 - 50 mm² 6 - 1/0 AWG	16 - 50 mm² 6 - 1/0 AWG	4 - 35 mm² 12 - 2 AWG	16 - 50 mm² 6 - 1/0 AWG	4 - 10 Nm 35 - 88,5 LB In.					
2 x 16 mm²	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	2,5 Nm	2 x 16 mm²	16 mm² 6 AWG	16 mm² 6 AWG	1,5 - 16 mm² 16 - 6 AWG	16 mm² 6 AWG	5,1 Nm					
3 x 10 mm²	1,5 - 10 mm² 16 - 8 AWG	1,5 - 10 mm² 16 - 8 AWG	1,5 - 6 mm² 16 -10 AWG	2 Nm	3 x 10 mm²	-	-	1,5 - 6 mm² 16 -10 AWG	-	-					
2 x 25 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	2,5 Nm	2 x 25 mm²	16 - 25 mm² 6 - 4 AWG	16 - 25 mm² 6 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	16 - 25 mm² 6 - 4 AWG	5,1 Nm					
3 x 16 mm²	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG		3 x 16 mm²	16 mm² 6 AWG	16 mm² 6 AWG	1,5 - 16 mm² 16 - 6 AWG	16 mm² 6 AWG						
2 x 25 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm	2 x 25 mm²	16 - 25 mm² 6 - 4 AWG	16 - 25 mm² 6 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	16 - 25 mm² 6 - 4 AWG	5,1 Nm					
3 x 16 mm²	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm	3 x 16 mm²	16 mm² 6 AWG	16 mm² 6 AWG	1,5 - 16 mm² 16 - 6 AWG	16 mm² 6 AWG						
8 x	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	2,5 Nm	8 x	16 - 25 mm² 6 - 4 AWG	16 - 25 mm² 6 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	16 - 25 mm² 6 - 4 AWG	5,1 Nm					
2 x 35 mm²	4 - 16 mm² 12 - 6 AWG	4 - 35 mm² 12 - 2 AWG	2,5 - 25 mm² 14 - 4 AWG	2,5 Nm 6 Nm	2 x 35 mm²	16 - 35 mm² 6 - 2 AWG	16 - 35 mm² 6 - 2 AWG	2,5 - 25 mm² 14 - 4 AWG	16 - 35 mm² 6 - 2 AWG	11,3					
4 x 16 mm²	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm	4 x 16 mm²	16 mm² 6 AWG	16 mm² 6 AWG	1,5 - 16 mm² 16 - 6 AWG	16 mm² 6 AWG	5,1 Nm					
3 x 25 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm	3 x 25 mm²	16 - 25 mm² 6 - 4 AWG	16 - 25 mm² 6 - 4 AWG	1,5 - 16 mm² 16 - 6 AWG	16 - 25 mm² 6 - 4 AWG	5,1 Nm					
2 x 35 mm²	4 - 16 mm² 12 - 6 AWG	4 - 35 mm² 12 - 2 AWG	2,5 - 25 mm² 14 - 4 AWG	2,5 Nm 6 Nm	-	-	-	2,5 - 25 mm² 14 - 4 AWG	-	-					
4 x 16 mm²	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm				1,5 - 16 mm² 16 - 6 AWG							
3 x 25 mm²	2,5 - 16 mm² 14 - 6 AWG	2,5 - 25 mm² 14 - 24 AWG	1,5 - 16 mm² 16 - 6 AWG	2 Nm 3 Nm				1,5 - 16 mm² 16 - 6 AWG							

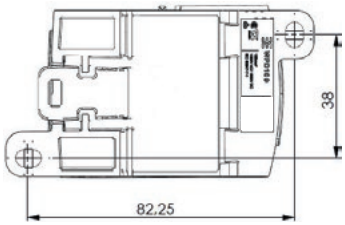
Power distribution / Power feed-in
Screw connection

Mounting

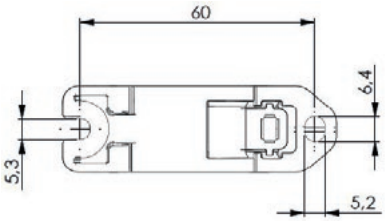
WPD 104



WPD 109



WPD 130



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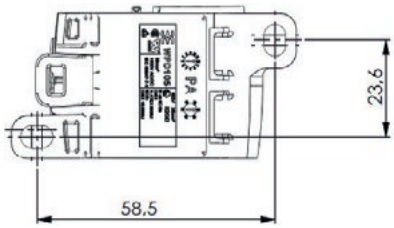
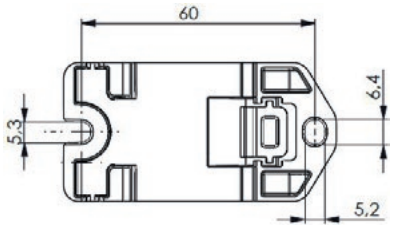
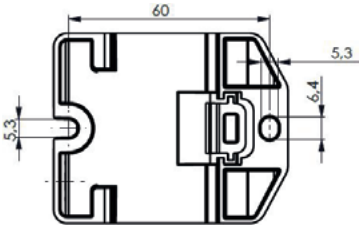


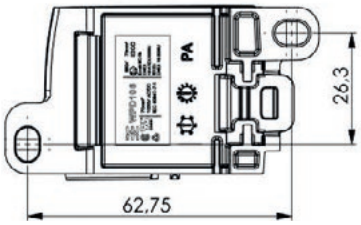
WPD 230



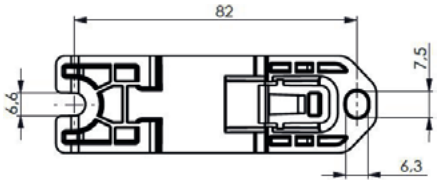
WPD 330



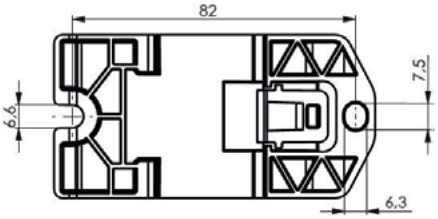
WPD 106



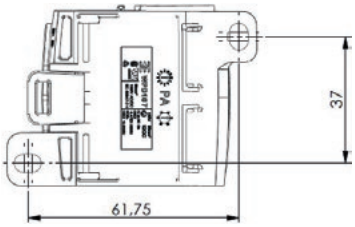
WPD 131



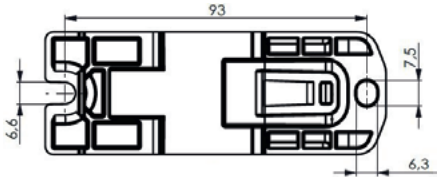
WPD 231



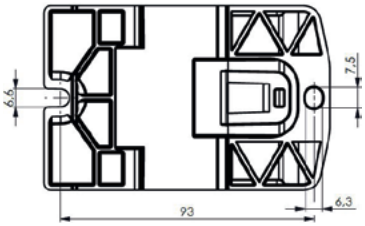
WPD 107



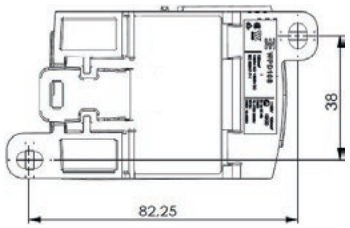
WPD 132



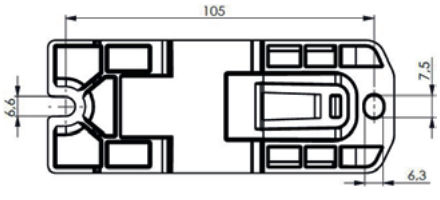
WPD 232



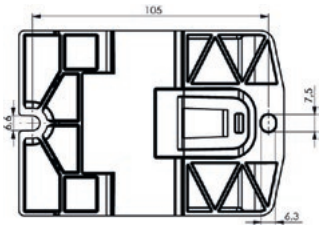
WPD 108



WPD 133



WPD 233



The secure and efficient way of distributing power

Klippon® Connect provides the required flexibility

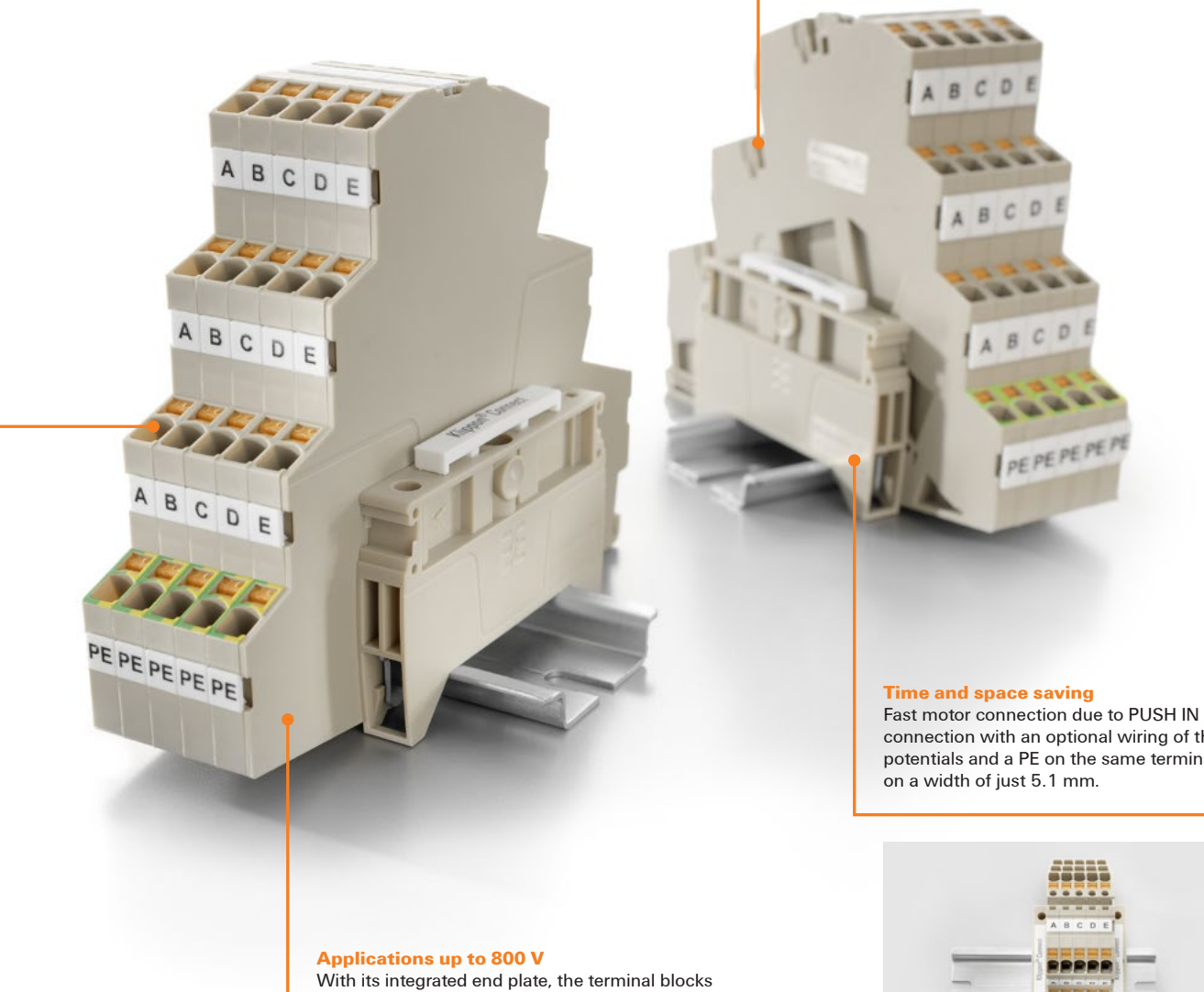
Increasing levels of automation call for many three-phase motors to be attached as efficiently as possible. Thereby, all wires of a three-phase motor need to connect to a single terminal block, which is also used for potential distribution.

The Klippon® Connect motor connection terminal blocks AMC cut an impressive figure with their small design and the PUSH IN technology for the fast and safe wiring. Various marking options support distinctive marking.

Klippon® Connect motor connection terminal blocks AMC allow each potential to be connected to one tier of the terminal block. This potential connection within the terminal block provides reliable potential distribution.

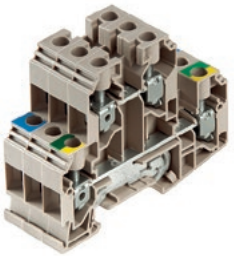
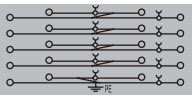
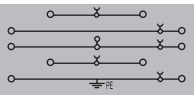
Testing point on each tier
The terminal blocks allow the recording of control measurements on each tier directly through standard 2.0 mm test plug.

Optimal level connection
The terminal blocks enable an efficient potential distribution whenever multiple tiers are connected.



Time and space saving
Fast motor connection due to PUSH IN connection with an optional wiring of three potentials and a PE on the same terminal block on a width of just 5.1 mm.

Applications up to 800 V
With its integrated end plate, the terminal blocks can handle applications of up to 800 V.

	WDK 10 SET LS	10 mm²	WDK 10 SET BCD	10 mm²
				
Width/Height/Depth mm	49.5 x 85 x 69		29.7 x 85 x 69	
max. current / max. cond. cross-section A/mm²	70 / 16		70 / 16	
Max. clamping range mm²	1.5...16		1.5...16	

Technical data

Rated data	WDK 10 SET LS	WDK 10 SET BCD
Rated voltage V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²		
Flexible / Flexible with ferrule mm²		
Tightening torque (clamping screw for copper conductors)		
Stripping length / Blade size mm/-		
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded -		
Flexible / Flexible with ferrule -		

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
	8 kV / 3		
	B6 / V-0		

Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige			
with PE foot			
dark beige / green / yellow	WDK 10 SET LS	1	1415530000

Version	Type	Qty.	Order No.
dark beige			
with PE foot			
dark beige / green / yellow	WDK 10 SET BCD	1	1415540000

Note

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 10/2	57 A	50	1052560000
10-pole	WQV 10/10	57 A	20	1052460000
End plate / Partition plate				
dark beige	WAP WDK10		20	1186720000
Blue	WAP WDK10 BL		20	1186730000
End bracket				
dark beige	WEW 35/2		100	1061200000
Screwdriver				
Standard	SDS 1.0X5.5X150		1	9008350000
Cover				
Blank, white	WAD 8 MC NE WS		48	1112940000
Blank, yellow	WAD 8 MC NE GE		48	1112950000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
Cross-connection				
black				
blue				
red				

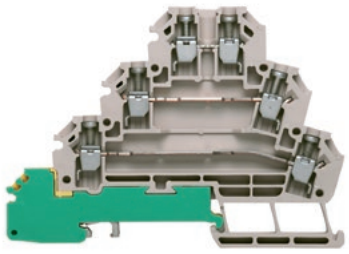
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 10/2	57 A	50	1052560000
10-pole	WQV 10/10	57 A	20	1052460000
End plate / Partition plate				
dark beige	WAP WDK10		20	1186720000
Blue	WAP WDK10 BL		20	1186730000
End bracket				
dark beige	WEW 35/2		100	1061200000
Screwdriver				
Standard	SDS 1.0X5.5X150		1	9008350000
Cover				
Blank, white	WAD 8 MC NE WS		48	1112940000
Blank, yellow	WAD 8 MC NE GE		48	1112950000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
Cross-connection				
black				
blue				
red				

For detailed information on other accessories and application in the online catalogue

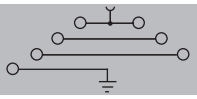
Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

MAK 2.5 — 2.5 mm²



6.2 x 88 x 63
31 / 4
0.13...4



IEC 60947-7-1 (-7-2)

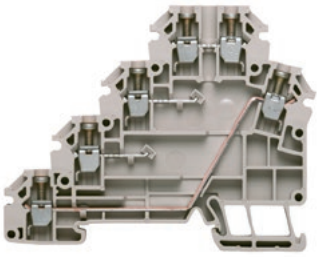
IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

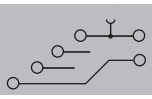
Type	Qty.	Order No.
MAK 2.5 DB	50	**7917030000**

Type	current	Qty.	Order No.
AP MAK2.5 DB		20	**7917000000**
WEW 35/1		50	**1059000000**
SDIS 0.6X3.5X100		1	**9008390000**
DEK 5/5 MC NE WS		1000	**1609801044**
VQB 1.5/50 SW	17.5 A	5	**1635120000**
VQB 1.5/50 BL	17.5 A	5	**1633280000**
VQB 1.5/50 RT	17.5 A	5	**1633290000**

VLI 1.5 — 1.5 mm²



6.15 x 79.5 x 63
24 / 4
0.13...4



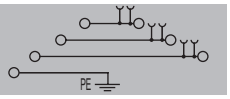
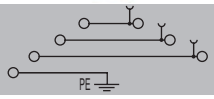
IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
	4 kV / 3		
	A3 / V-0		

Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	**1784120000**
VLI 1.5/PE DB	50	**1784130000**

Type	current	Qty.	Order No.
AP VLI1.5 DB		20	**1784150000**
WEW 35/1		50	**1059000000**
SDIS 0.6X3.5X100		1	**9008390000**
DEK 5/5 MC NE WS		1000	**1609801044**
VQB 1.5/50 SW	17.5 A	5	**1635120000**
VQB 1.5/50 BL	17.5 A	5	**1633280000**
VQB 1.5/50 RT	17.5 A	5	**1633290000**

	AMC 2.5	2.5 mm²	AMC 2.5 800 V	2.5 mm²
Width/Height/Depth mm	5.1 x 107.5 x 88		6.1 x 107.5 x 88	
max. current / max. cond. cross-section A/mm²	**21 / 2.5**		**21 / 2.5**	
Max. clamping range mm²	**0.14...2.5**		**0.14...2.5**	

Technical data

Rated data		AMC 2.5	AMC 2.5 800 V
		DIN EN 60947-7-1, DIN EN 60947-7-2	DIN EN 60947-7-1, DIN EN 60947-7-2
IEC		690	800
UL		150	600
CSA		20	20
EN 60079-7		AWG 28...12	AWG 28...12
Rated voltage	V	8 kV / 3	8 kV / 3
Rated current	A	A3 / V-0	A3 / V-0
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...2.5	0.5...2.5 / 0.5...2.5
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note		Approval in progress	Approval in progress

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	AMC 2.5	50	**2434340000**	AMC 2.5 800V	50	**2434370000**
Note							

Accessories

Pluggable cross-connection		Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
	2-pole	ZQV 2.5N/2	24 A	60	**1527540000**				
	10-pole	ZQV 2.5N/10	24 A	20	**1527690000**				
Vertical jumpers									
	1-pole	ZVQ 2.5/1.5	23 A	50	**1720700000**	ZVQ 2.5/1.5	23 A	50	**1720700000**
End plate									
	dark beige	AEP MC 2.5		25	**2433820000**				
End bracket									
	dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
	dark beige	ZEW 35/2		20	**8630740000**	ZEW 35/2		20	**8630740000**
Test plug									
		PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver									
	Standard	SDIL 0,6x3,5x100		1	**9042110000**	SDIL 0,6x3,5x100		1	**9042110000**
Identification systems									
		DEK 5/5 PLUS MC NE WS		1000	**1854490000**	DEK 5/5 PLUS MC NE WS		1000	**1854490000**
		DEK 5/5 MM WS		800	**2007110000**	DEK 5/5 MM WS		800	**2007110000**
		WS 8/5 MM WS		800	**2007150000**	WS 8/5 MM WS		800	**2007150000**
		WS 10/5 M PLUS MC NE WS		600	**2003770000**	WS 10/5 M PLUS MC NE WS		600	**2003770000**
		SNAPMARK I		50	**1805880000**	SNAPMARK I		50	**1805880000**

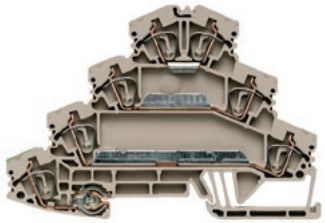
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

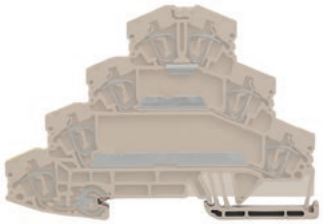
ZMAK 2.5 — 2.5 mm²

Motor-supply terminal

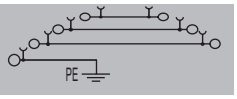


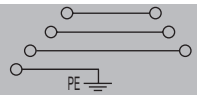
ZMAK 2.5 690 V — 2.5 mm²

Motor-supply terminal



		ZMAK 2.5	ZMAK 2.5 690 V
Width/Height/Depth	mm	5.1 x 102 x 69.5	6.1 x 102 x 69.5
max. current / max. cond. cross-section	A/mm²	**31 / 4**	**31 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**





Technical data

Rated data		ZMAK 2.5	ZMAK 2.5 690 V
Rated voltage	V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7
400	300	300	
24	25	25	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

IEC	UL	CSA	EN 60079-7
690	300		
24	25		
2.5	AWG 26...12		
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4
0.5...4 / 0.5...2.5
10 / 0.6 x 3.5 mm

Note

Ordering data

Version	
	dark beige

Type	Qty.	Order No.
ZMAK 2.5	25	**1768000000**

Type	Qty.	Order No.
ZMAK 2.5 690V	25	**1027550000**

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!

Note

Accessories

End plate / Partition plate				ZMAK 2.5				ZMAK 2.5 690 V			
	dark beige			Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
End bracket				ZAP ZMAK2.5		10	**1768010000**	ZAP ZMAK2.5		10	**1768010000**
	dark beige										
Screwdriver				ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
	Standard										
Reducing sleeves				SDIS SL 0.6X3.5X100		1	**1274660000**	SDIS SL 0.6X3.5X100		1	**1274660000**
	For conductors < 0.5 mm² / AWG 20										
	For conductors < 1.0 mm² / AWG 18			ZRH 1.5H/1		1000	**1678810000**	ZRH 1.5H/1		1000	**1678810000**
Test adapter				ZRH 1.5H/2		1000	**1678800000**	ZRH 1.5H/2		1000	**1678800000**
	Standard										
Identification systems				ZTA 1		25	**1609040000**				
				DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
				WS 12/5 MC NE WS		720	**1609860000**	WS 12/5 MC NE WS		720	**1609860000**
				DEK 5/5 MM WS		800	**2007110000**				
				WS 8/5 MM WS		800	**2007150000**				

For detailed information on other accessories and application in the online catalogue

Safe supply to equipment in the panel

Klippon® Connect for optimum control voltage distribution

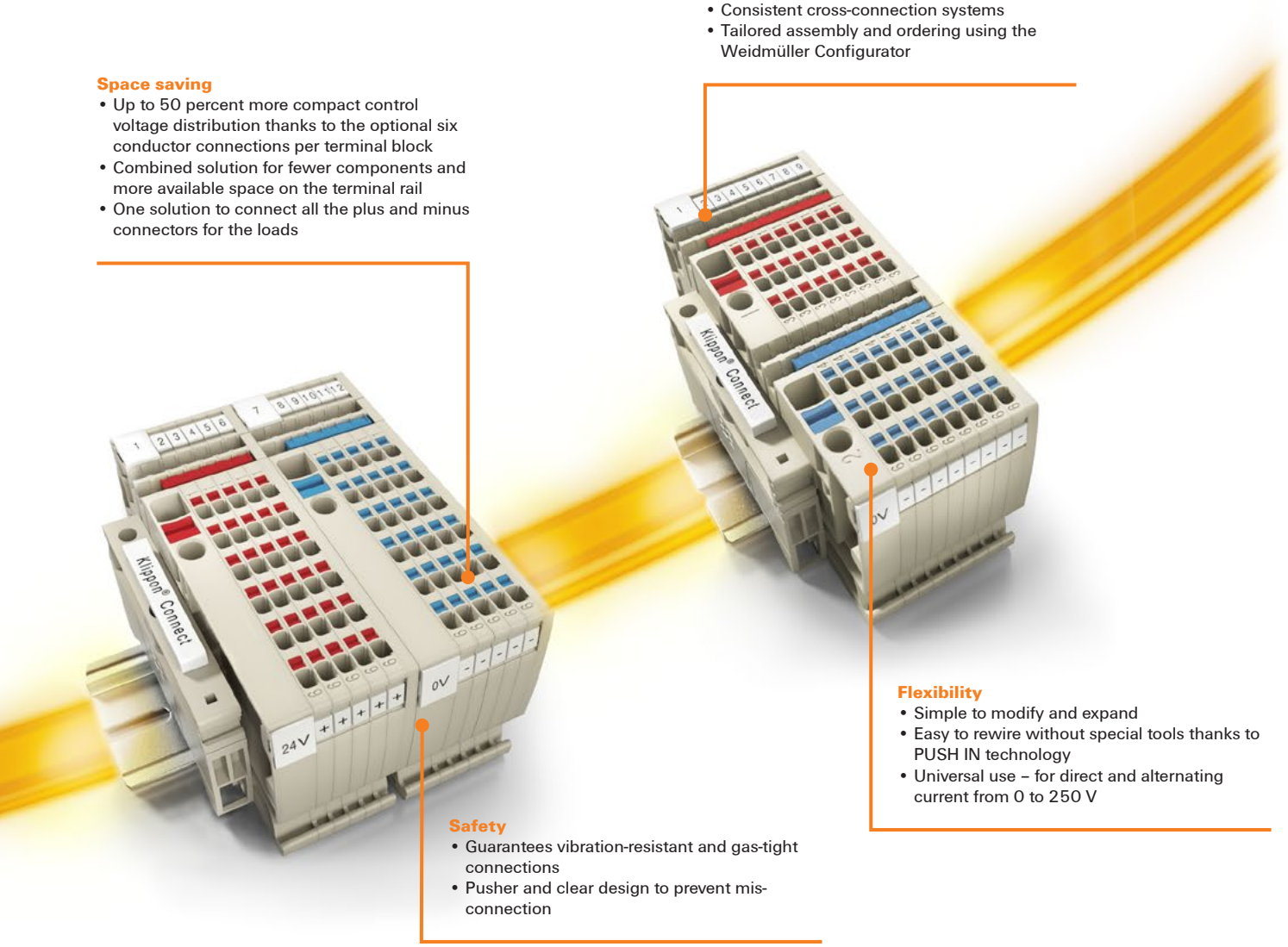
For power supplies to equipment in the panel, there is an increased risk of incorrect connections because of the large number of conductors. Our tailored AAP potential distribution terminal blocks and the maxGUARD modular system with built-in electronic load monitoring offer ideal solutions for surge current protection and clear, structured power distribution within control voltage circuits. The considerable space saving and reduced wiring means you can guarantee supply to your panel equipment simply and effectively.

Our promise

For complex wiring projects in confined spaces, we offer a future-oriented strategy for central potential distribution with direct wiring option for all the device's plus and minus potentials. This means that Klippon® Connect makes planning and implementing your control voltage distribution system considerably more productive.

Time saving
- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator

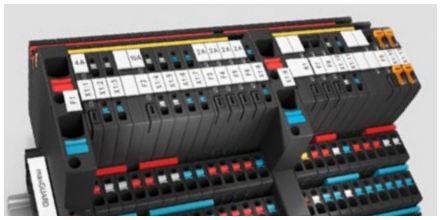
Space saving
- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads



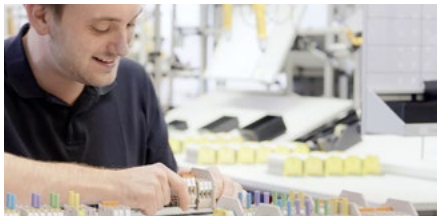
Flexibility
- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

Safety
- Guarantees vibration-resistant and gas-tight connections
- Pusher and clear design to prevent mis-connection

Our range



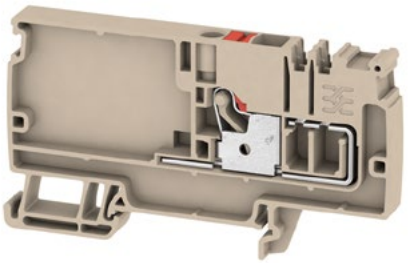
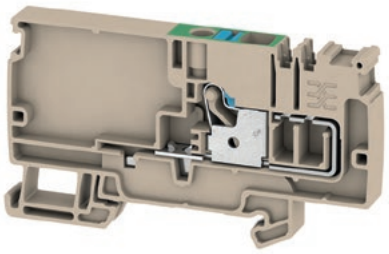
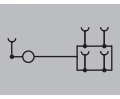
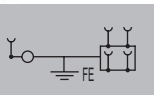
Combined load monitoring and potential distribution:
maxGUARD is our unique modular system for control voltage distribution. The consistent design of the electronic load monitoring and potential distribution terminal blocks plus the simple cross-connection options save time and money and prevent mis-connections.



Simpler customised solutions:
Our assembly service for standard blocks and completed control voltage distribution systems guarantees ease of ordering and production optimisation. We create a perfect-fit solution for all of your requirements.

AAP - potential distribution terminal blocks

Potential distribution with separate fusing

	AAP11 6 LO	AAP11 6 FE
	6 mm²	6 mm²
		
Width/Height/Depth mm	8.1 x 85.5 x 47	8.1 x 85.5 x 47
max. current / max. cond. cross-section A/mm²	**41 / 6**	**/ 6**
Max. clamping range mm²	**0.5...6**	**0.5...6**
		

Technical data

	AAP11 6 LO	AAP11 6 FE
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage of feed-through terminal V	IEC: 500 / UL: 300 / CSA: / EN 60079-7:	IEC: 500 / UL: 300 / CSA: / EN 60079-7:
Rated current A	41 / 36	
for wire cross-section mm²	6 / AWG 22...8	6 / AWG 22...8
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
beige / red pusher	AAP11 6 LO RD	20	**1989780000**			
beige / blue pusher	AAP11 6 LO BL	20	**1988130000**	AAP11 6 FE	20	**1988140000**
beige / orange pusher	AAP11 6 LO OR	20	**2503650000**			
blue / orange pusher						
Note				FE = functional earth, contact to DIN rail.		

Accessories

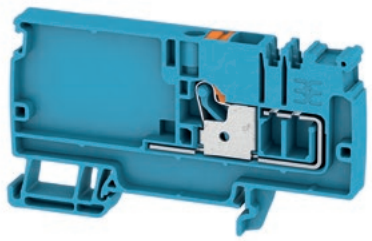
Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**				
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**				
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	**1985530000**	ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	**1985680000**	ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
End plate / Partition plate								
	AEP AP11		20	**1988320000**	AEP AP11		20	**1988320000**
End bracket								
dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**	ZEW 35/2		20	**8630740000**
Test adapter								
1-pole	ATPG 1.5-10 L		50	**1991890000**	ATPG 1.5-10 L		50	**1991890000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**
Screwdriver								
Standard	SDIL 1,0x5,5x125		1	**9042130000**	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems								
	DEK-A 5/8 MM WS		500	**2448860000**	DEK-A 5/8 MM WS		500	**2448860000**
	WS-A 8/8 MM WS		500	**2448930000**	WS-A 8/8 MM WS		500	**2448930000**
	DEK 5/8 PLUS MC NE WS		800	**1046350000**	DEK 5/8 PLUS MC NE WS		800	**1046350000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**	WS 10/8 PLUS MC NE WS		420	**1905950000**

For detailed information on other accessories and application in the online catalogue

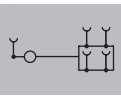
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP11 6 LO BL/OR — 6 mm²



8.1 x 85.5 x 47
41 / 6
0.5...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		

Rated connection
0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

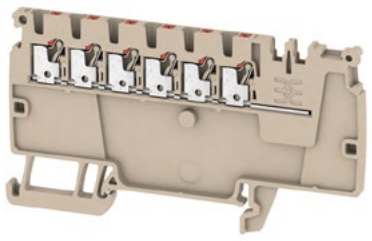
Approval in progress

Type	Qty.	Order No.
AAP11 6 LO BL/OR	20	2522720000

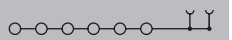
Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

AAP11 1.5 LI — 1.5 mm²



3.5 x 85.5 x 47
17.5 / 1.5
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	300		
17.5	13		
1.5	AWG 26...14		
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

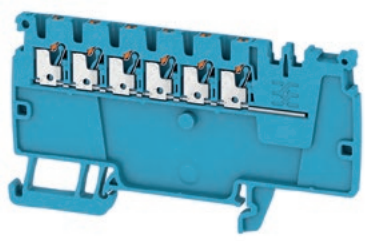
Approval in progress

Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000
AAP11 1.5 LI OR	50	2503910000

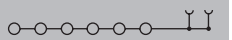
Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 MM WS		1000	2007100000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

AAP11 1.5 LI BL/OR — 1.5 mm²



3.5 x 85.5 x 47
17.5 / 1.5
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP11 1.5 LI BL/OR	50	2522870000

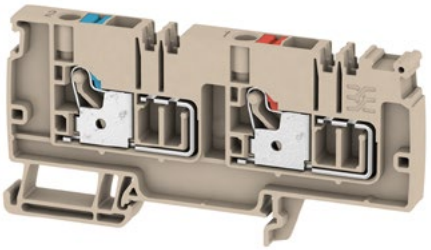
Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 MM WS		1000	2007100000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

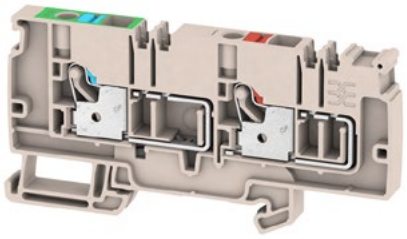
All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

Potential distribution with separate fusing

	AAP13 6 LO-LO	AAP13 6 FE-LO
	6 mm²	6 mm²
Width/Height/Depth mm	8.1 x 96 x 47	8.1 x 96 x 47
max. current / max. cond. cross-section A/mm²	41 / 6	41 / 6
Max. clamping range mm²	0.5...6	0.5...6





Technical data

Rated data		AAP13 6 LO-LO	AAP13 6 FE-LO
Rated voltage of feed-through terminal	V	250	250
Rated current	A	41	41
for wire cross-section	mm²	6	6
Rated impulse withstand voltage / Pollution severity		4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0	A5 / V-0
Approvals		In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
		IEC, UL, CSA, EN 60079-7	IEC, UL, CSA, EN 60079-7
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size	mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note		Approval in progress	Approval in progress

Ordering data

Version	AAP13 6 LO-LO	AAP13 6 FE-LO
	beige / red and blue pushers	
Note		FE = functional earth, contact to terminal rail.

Type	Qty.	Order No.
AAP13 6 LO-LO	20	1988260000

Type	Qty.	Order No.
AAP13 6 FE-LO	20	1988270000

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	1985530000
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate / Partition plate				
	AEP AP13		20	1990140000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	9042130000
Identification systems				
	DEK-A 5/8 MM WS		500	2448860000
	WS-A 8/8 MM WS		500	2448930000
	DEK 5/8 PLUS MC NE WS		800	1046350000
	WS 10/8 PLUS MC NE WS		420	1905950000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP13		20	1990140000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

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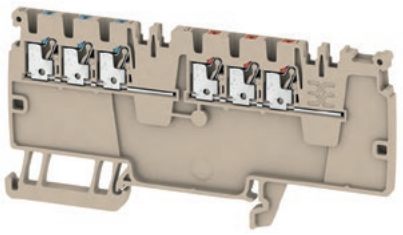
AAP13 1.5 LI-LI — 1.5 mm²



3.5 x 96 x 47
16 / 1.5
0.14...1.5

IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
250	150		
16	13		
1.5	AWG 26...14		
	4 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP13 1.5 LI-LI	50	**1988280000**

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP AP13		20	**1990140000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.0X60		1	**9205690000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 MM WS		1000	**2007100000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

	SET AAP11 6/1.5/12C	6 mm²	SET AAP11 6/1.5/24C	6 mm²
Width/Height/Depth mm	35 x 85.5 x 47		49 x 85.5 x 47	
max. current / max. cond. cross-section A/mm²	**41 / 6**		**41 / 6**	
Max. clamping range mm²	**0.5...6**		**0.5...6**	

Technical data

	SET AAP11 6/1.5/12C	SET AAP11 6/1.5/24C
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage of feed-through terminal V	IEC: 500	IEC: 500
Rated current A	UL: 41	UL: 41
for wire cross-section mm²	CSA: 6	CSA: 6
Rated impulse withstand voltage / Pollution severity	EN 60079-7: 6 kV / 3	EN 60079-7: 6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals	A5 / V-0	A5 / V-0
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
	SET AAP11 6/1.5/12C	1	2506090000
Note			

Version	Type	Qty.	Order No.
	SET AAP11 6/1.5/24C	1	2506370000
Note			

Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Tools				
Multimeter	ZUB MULTIMETER		1	9205270000
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000
	DEK 5/8 MC SDR		160	1856750000
	DEK 5/8 PLUS MC SDR		160	1046370000
	WS 10/8 PLUS MC NE WS		420	1905950000
	WS 10/8 PLUS MC SDR		84	1906030000

	Type	current	Qty.	Order No.
	ZQV 1.5N/2 RD	17.5 A	60	1985650000
	ZQV 1.5N/10 RD	17.5 A	20	1985800000
	AEB 35 SC/1		50	1991920000
	ZEW 35		20	9540000000
	ZUB MULTIMETER		1	9205270000
	DEK 5/8 MC NE WS		800	1856740000
	DEK 5/8 MC SDR		160	1856750000
	DEK 5/8 PLUS MC SDR		160	1046370000
	WS 10/8 PLUS MC NE WS		420	1905950000
	WS 10/8 PLUS MC SDR		84	1906030000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

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AAP – potential distribution terminal blocks

	SET AAP13 6/1.5/12C	6 mm²	SET AAP13 6/1.5/24C	6 mm²
Width/Height/Depth mm	24.5 x 96 x 47		38.5 x 96 x 47	
max. current / max. cond. cross-section A/mm²	**41 / 6**		**41 / 6**	
Max. clamping range mm²	**0.5...6**		**0.5...6**	

Technical data

	SET AAP13 6/1.5/12C	SET AAP13 6/1.5/24C
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage of feed-through terminal V	IEC: 500 / UL: / CSA: / EN 60079-7:	IEC: 500 / UL: / CSA: / EN 60079-7:
Rated current A	IEC: 41 / UL: / CSA: / EN 60079-7:	IEC: 41 / UL: / CSA: / EN 60079-7:
for wire cross-section mm²	IEC: 6 / UL: / CSA: / EN 60079-7:	IEC: 6 / UL: / CSA: / EN 60079-7:
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Flexible / Flexible with ferrule mm²	0.5...6 / 0.5...6	0.5...6 / 0.5...6
Stripping length / Blade size mm/-	12 / 1.0 x 5.5 mm	12 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	SET AAP13 6/1.5/12C	1	**2506340000**	SET AAP13 6/1.5/24C	1	**2506380000**
Note						

Accessories

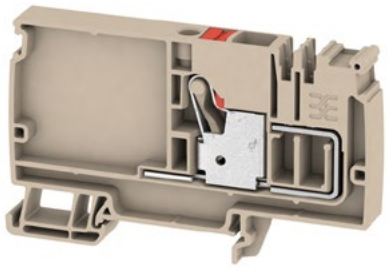
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**	ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**	ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
End bracket								
dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Tools								
Multimeter	ZUB MULTIMETER		1	**9205270000**	ZUB MULTIMETER		1	**9205270000**
Identification systems								
	DEK 5/8 MC NE WS		800	**1856740000**	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**	WS 10/8 PLUS MC NE WS		420	**1905950000**
	WS 10/8 PLUS MC SDR		84	**1906030000**	WS 10/8 PLUS MC SDR		84	**1906030000**

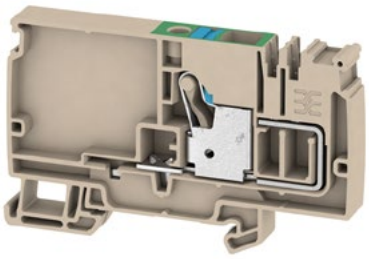
For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers	All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

Potential distribution with separate fusing

	AAP12 10 LO	AAP12 10 FE
	10 mm²	10 mm²
Width/Height/Depth mm	10 x 89 x 53.5	10 x 89 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**/ 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**





Technical data

Rated data	AAP12 10 LO	AAP12 10 FE
Rated voltage of feed-through terminal V	800	800
Rated current A	57	
for wire cross-section mm²	10	10
Rated impulse withstand voltage / Pollution severity	8 kV / 3	8 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A6 / V-0	A6 / V-0
Approvals	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
	800 / 600	800 / 600
	57 / 51	
	10 / AWG 20...6	10 / AWG 20...6
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
beige / red pusher	AAP12 10 LO RD	20	**1988190000**			
beige / blue pusher	AAP12 10 LO BL	20	**1988180000**	AAP12 10 FE	20	**1988200000**
beige / orange pusher	AAP12 10 LO OR	20	**2503900000**			
blue / orange pusher						
Note				FE = functional earth, contact to DIN rail.		

Accessories

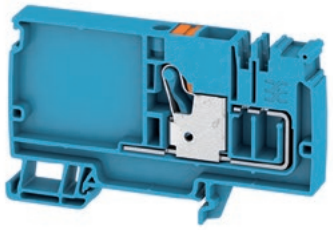
Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**				
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**				
2-pole / blue	ZQV 2.5N/2 BL	24 A	60	**1527740000**	ZQV 2.5N/2 BL	24 A	60	**1527740000**
10-pole/ blue	ZQV 2.5N/10 BL	24 A	20	**1527880000**	ZQV 2.5N/10 BL	24 A	20	**1527880000**
End plate / Partition plate								
	AEP AP12		20	**1988300000**	AEP AP12		20	**1988300000**
End bracket								
dark beige	AEB 35 SC/1		50	**1991920000**	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**	ZEW 35/2		20	**8630740000**
Screwdriver								
Standard	SDIL 1,0x5,5x125		1	**9042130000**	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems								
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**
Test adapter								
1-pole	ATPG 1.5-10 L		50	**1991890000**	ATPG 1.5-10 L		50	**1991890000**
Test plug								
	PS 2.0 MC		20	**0310000000**	PS 2.0 MC		20	**0310000000**

For detailed information on other accessories and application in the online catalogue

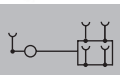
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP12 10 LO BL/OR — 10 mm²



10 x 89 x 53.5
57 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	8 kV / 3		
	A6 / V-0		

Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

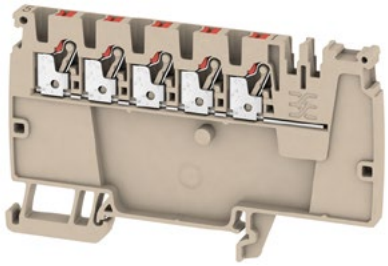
Approval in progress

Type	Qty.	Order No.
AAP12 10 LO BL/OR	20	2522860000

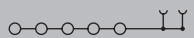
Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000

All MultiMark variants (MM) = strip markers

AAP12 2.5 LI — 2.5 mm²



5.1 x 89 x 53.5
24 / 2.5
0.5...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 28...12		
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

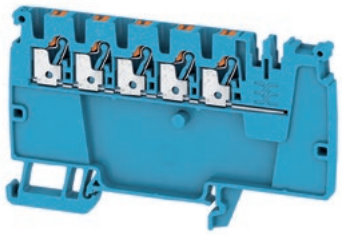
Approval in progress

Type	Qty.	Order No.
AAP12 2.5 LI RD	50	1988290000
AAP12 2.5 LI BL	50	1988100000
AAP12 2.5 LI OR	50	2503880000

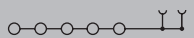
Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

AAP12 2.5 LI BL/OR — 2.5 mm²



5.1 x 89 x 53.5
24 / 2.5
0.5...2.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
	8 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP12 2.5 LI BL/OR	50	2522840000

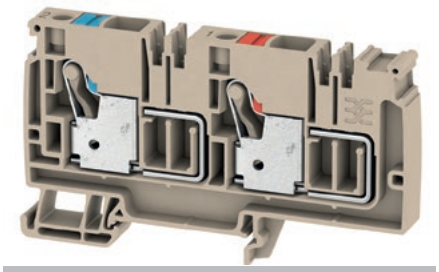
Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M PLUS MC NE WS		600	2003770000

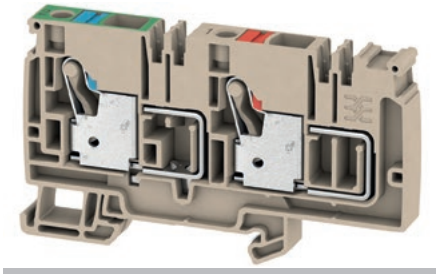
All MultiMark variants (MM) = strip markers

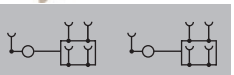
AAP – potential distribution terminal blocks

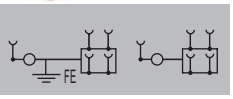
Potential distribution with separate fusing

	AAP14 10 LO-LO	AAP14 10 FE-LO
	10 mm²	10 mm²
Width/Height/Depth mm	10 x 94 x 53.5	10 x 94 x 53.5
max. current / max. cond. cross-section A/mm²	57 / 10	57 / 10
Max. clamping range mm²	0.5...10	0.5...10









Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	500	150		
Rated current A	57	51		
for wire cross-section mm²	10	AWG 20...6		
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A6 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection	Rated connection
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
beige / red and blue pushers	AAP14 10 LO-LO	20	1988250000
Note			

Type	Qty.	Order No.
AAP14 10 FE-LO	20	1988240000
FE = functional earth, contact to terminal rail		

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	2108470000
10-pole / red	ZQV 2.5N/10 RD	24 A	20	2108910000
2-pole / blue	ZQV 2.5N/2 BL	24 A	60	1527740000
10-pole/ blue	ZQV 2.5N/10 BL	24 A	20	1527880000
End plate / Partition plate				
	AEP AP14		20	1988340000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	9042130000
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000

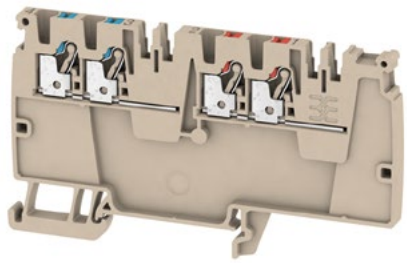
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	2108470000
10-pole / red	ZQV 2.5N/10 RD	24 A	20	2108910000
2-pole / blue	ZQV 2.5N/2 BL	24 A	60	1527740000
10-pole/ blue	ZQV 2.5N/10 BL	24 A	20	1527880000
End plate / Partition plate				
	AEP AP14		20	1988340000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	9042130000
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
Test plug				
	PS 2.0 MC		20	0310000000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AAP14 2.5 LI-LI — 2.5 mm²



5.1 x 94 x 53.5
24 / 2.5
0.5...2.5

IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	150		
24	20		
2.5	AWG 28...12		
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP14 2.5 LI-LI	50	**1988230000**

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	**2108470000**
ZQV 2.5N/10 RD	24 A	20	**2108910000**
ZQV 2.5N/2 BL	24 A	60	**1527740000**
ZQV 2.5N/10 BL	24 A	20	**1527880000**
AEP AP14		20	**1988340000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
SDIL 0,6x3,5x100		1	**9042110000**
DEK 5/5 MM WS		800	**2007110000**
WS 8/5 MM WS		800	**2007150000**
DEK 5/5 PLUS MC NE WS		1000	**1854490000**
WS 10/5 M PLUS MC NE WS		600	**2003770000**

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP12 10/2.5/10C

Width/Height/Depth	mm	45.2 x 89 x 53.5
max. current / max. cond. cross-section	-/mm²	**/ 10**
Max. clamping range	mm²	**0.5...10**

Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal	-			
Rated current	-			
for wire cross-section	-			
Rated impulse withstand voltage / Pollution severity				
Gauge to IEC 60947-1 / UL 94 flammability rating				
Approvals		A6 / V-0		

Clamped conductors (H05V/H07V)		Rated connection
Solid / Stranded	mm²	0.5...10 / 0.5...10
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...10
Stripping length / Blade size	mm/-	18 / 1.0 x 5.5 mm

Note	
	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
	SET AAP12 10/2.5/10C	1	**2506350000**

Note	

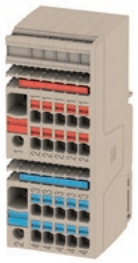
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35		20	**9540000000**
Tools				
Multimeter	ZUB MULTIMETER		1	**9205270000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP14 10/2.5/10C | **10 mm²**



Width/Height/Depth	mm	36.5 x 89 x 53.5
max. current / max. cond. cross-section	A/mm²	**57 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm²
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm²
Flexible / Flexible with ferrule	mm²
Stripping length / Blade size	mm/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
57			
10			
		8 kV / 3	
		A6 / V-0	

Rated connection
0.5...10 / 0.5...10
0.5...10 / 0.5...10
18 / 1.0 x 5.5 mm

Note	Approval in progress

Ordering data

Version	**Type**	**Qty.**	**Order No.**
	SET AAP14 10/2.5/10C	1	**2506360000**

Note

Accessories

Pluggable cross-connection	**Type**	**current**	**Qty.**	**Order No.**
2-pole/ red	ZQV 2.5N/2 RD	24 A	60	**2108470000**
10-pole / red	ZQV 2.5N/10 RD	24 A	20	**2108910000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35		20	**9540000000**
Tools				
Multimeter	ZUB MULTIMETER		1	**9205270000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	DEK 5/8 MC SDR		160	**1856750000**
	DEK 5/8 PLUS MC SDR		160	**1046370000**
	WS 10/8 PLUS MC NE WS		420	**1905950000**
	WS 10/8 PLUS MC SDR		84	**1906030000**

For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers

Safe supply for consumers in the panel

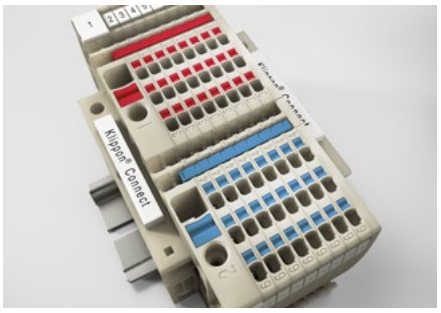
Klippon® Connect for optimum control voltage distribution

In control circuits, electrical energy from the power supply is distributed to downstream consumers in the panel. In order to guarantee safe supply of power, a confusingly high number of conductors must be connected, which can lead to incorrect wiring.

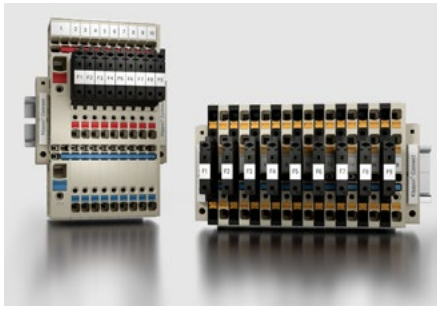
Our Klippon® Connect control voltage distribution terminal blocks AAP with and without fuse allow the simple and compact construction of complete control voltage distribution. They ensure effective control voltage for the equipment in the panel. The unique modular concept can be tailored individually to each machine type.

The potential distribution terminal blocks AAP impress with their standardised design with two possible structures – alternating or grouped. Simple cross-connection options save space and installation time and prevent incorrect wiring.

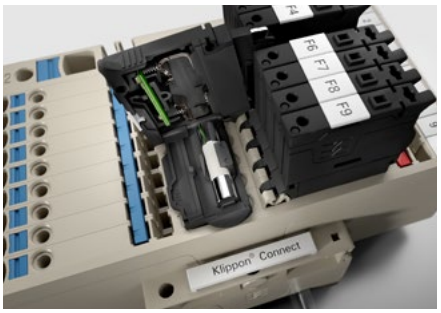
Coloured pushers
The colours make distinguishing between the different potentials easy. Time-consuming and costly troubleshooting is prevented.

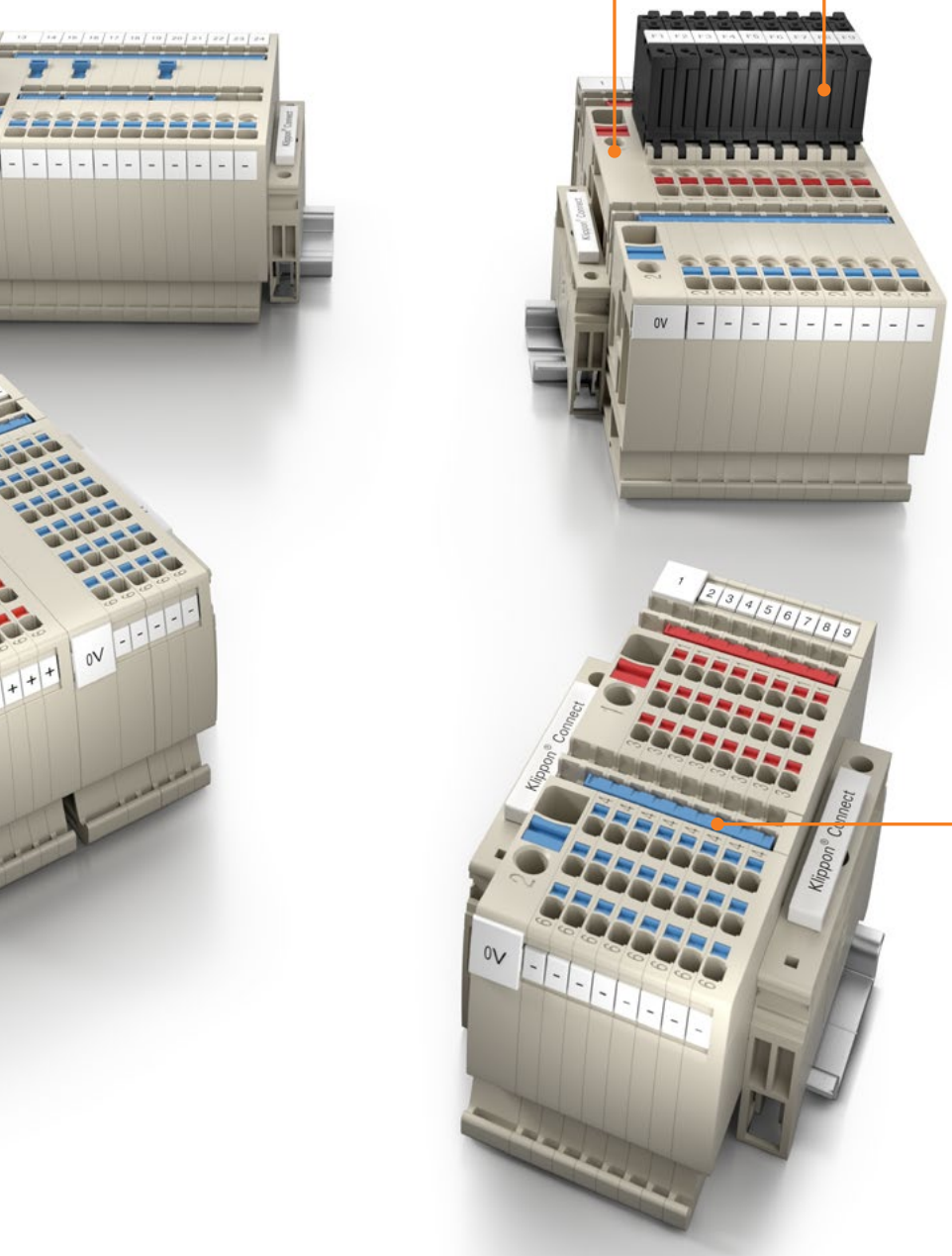


Space saving
The combined functionality of positive and negative potentials in one terminal block enables a significant space saving.

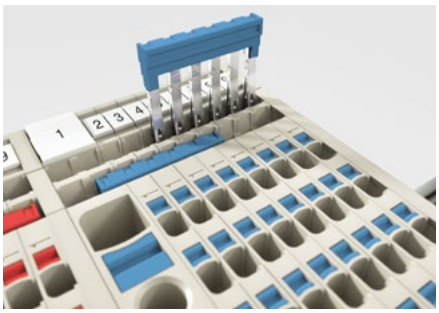


Potential distribution with fuse protection
The fuse can be replaced quickly and easily by simply releasing and opening the fuse holder on the system.





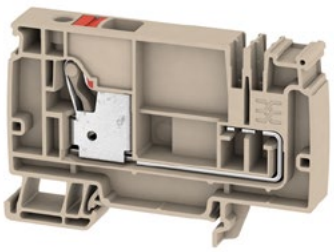
Two cross-connection channels
Thanks to the modular system, another terminal block can be attached and expanded using an additional cross-connection in the second cross-connection channel.

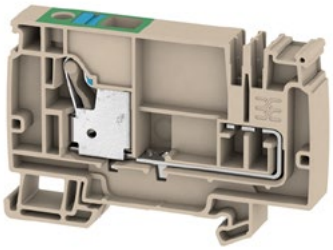


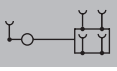
AAP – potential distribution terminal blocks

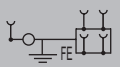
Potential distribution with integrated fusing

	AAP21 10 LO	AAP21 10 FE
	10 mm²	10 mm²
Width/Height/Depth mm	12 x 82 x 53.5	12 x 82 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**/ 10**
Max. clamping range mm²	**0.5...10**	**0.5...10**









Technical data

In accordance with IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	600 (C)		
Rated current A	57	51		
for wire cross-section mm²	10	AWG 20...6		
Rated impulse withstand voltage / Pollution severity		4 kV / 3		
UL 94 flammability rating		V-0		
Approvals	cULus			

Clamped conductors (H05V/H07V)	AAP21 10 LO	AAP21 10 FE
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length	18 mm	18 mm
Blade size	1.0 x 5.5 mm	1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
250 V AC/DC, without LED			
10-36 V AC/DC, with LED			
30–70 V AC/DC, with LED			
60-150 V AC/DC, with LED			
100-250 V AC/DC, with LED			
beige / red pusher	AAP21 10 LO RD	20	**2428910000**
beige / blue pusher	AAP21 10 LO BL	20	**2428940000**
Note			

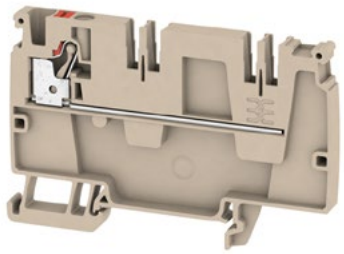
Version	Type	Qty.	Order No.
250 V AC/DC, without LED			
10-36 V AC/DC, with LED			
30–70 V AC/DC, with LED			
60-150 V AC/DC, with LED			
100-250 V AC/DC, with LED			
beige / red pusher			
beige / blue pusher	AAP21 10 FE	20	**2428920000**
Note	Functional earth (FE), contact to terminal rail		

Accessories

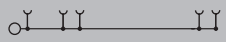
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD		60	**2460450000**
10-pole / red	ZQV 4N/10 RD		20	**2460740000**
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate				
	AEP AP21		20	**2429020000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast				
0.50 A fast				
1.00 A fast				
2.00 A fast				
Test adapter				
1-pole	ATPG 1.5-10 L		50	**1991890000**
For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers			

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red				
10-pole / red				
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate				
	AEP AP21		20	**2429020000**
End bracket				
	AEB 35 SC/1		50	**1991920000**
	ZEW 35/2		20	**8630740000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
Test adapter				
	ATPG 1.5-10 L		50	**1991890000**
	All MultiMark variants (MM) = strip markers			

AAP21 4 LI — 4 mm²



6.1 x 82 x 53.5
32 / 4
0.5...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300 (C)		
32	20		
4	AWG 26...10		
	4 kV / 3		
	V-0		

cULus

Rated connection
0.5...4 / 0.5...4
0.5...4 / 0.5...4
12 mm
0.6 x 3.5 mm

Approval in progress

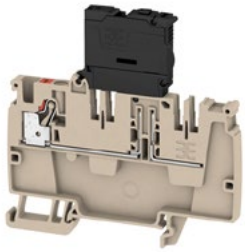
Type	Qty.	Order No.
AAP21 4 LI RD	50	**2428930000**
AAP21 4 LI BL	50	**2428960000**

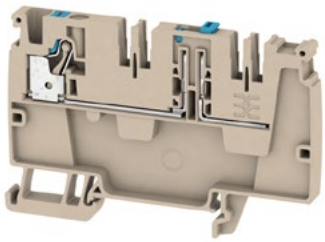
Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	**2460450000**
ZQV 4N/10 RD		20	**2460740000**
ZQV 4N/2 BL	32 A	60	**1528040000**
ZQV 4N/10 BL	32 A	20	**1528230000**
AEP AP21		20	**2429020000**
AEB 35 SC/1		50	**1991920000**
ZEW 35/2		20	**8630740000**
PS 2.0 MC		20	**0310000000**
SDIL 0,6x3,5x100		1	**9042110000**
WS 10/6 M PLUS MC NE WS		600	**2003780000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**
DEK 5/6 PLUS MC NE WS		1000	**1011320000**
ATPG 1.5-10 L		50	**1991890000**

All MultiMark variants (MM) = strip markers

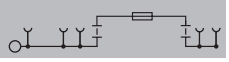
AAP – potential distribution terminal blocks

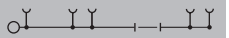
	AAP21 4 FS	AAP21 4 DT
	4 mm²	4 mm²





Width/Height/Depth	6.1 x 82 x 82	6.1 x 82 x 55
max. current / max. cond. cross-section	**6.3 / 4**	**20 / 4**
Max. clamping range	**0.5...4**	**0.5...4**





Technical data

Rated data	In accordance with IEC 60947-7-3	In accordance with IEC 60947-7-1
Rated voltage V	250	250
Rated current A	6.3	20
for wire cross-section mm²	4	4
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
UL 94 flammability rating	V-0	V-0
Approvals	IEC, UL (C), CSA, EN 60079-7	IEC, UL (C), CSA, EN 60079-7
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Stripping length	12 mm	12 mm
Blade size	0.6 x 3.5 mm	0.6 x 3.5 mm
Note	Approval in progress	Approval in progress

Ordering data

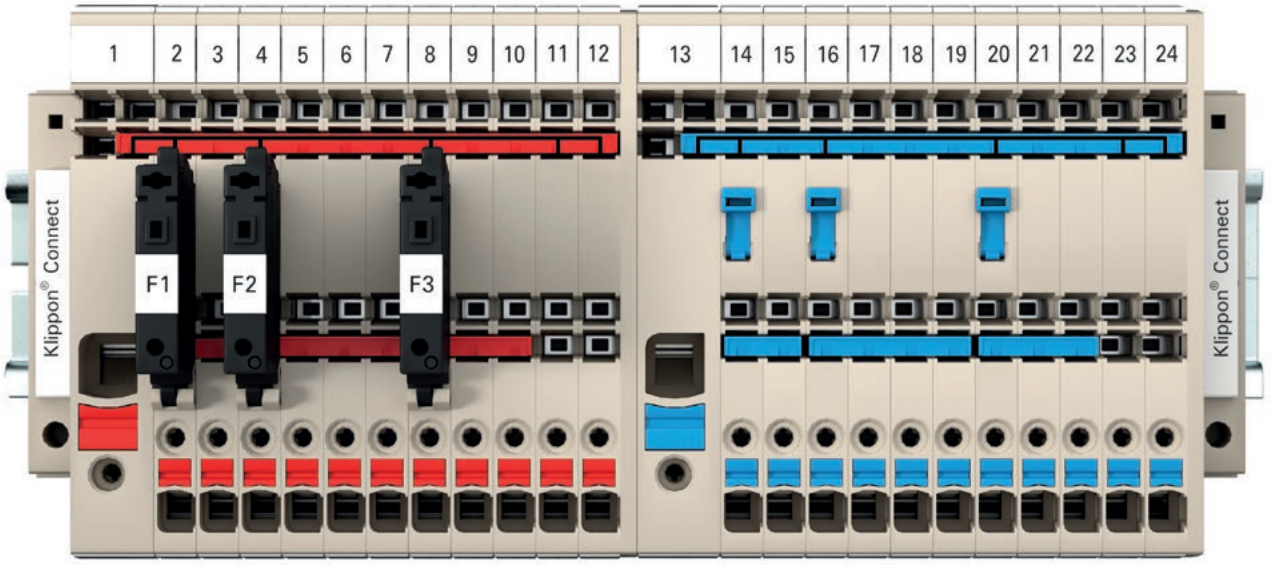
Version	Type	Qty.	Order No.	Type	Qty.	Order No.
250 V AC/DC, without LED	AAP21 4 FS	50	2428950000			
10-36 V AC/DC, with LED	AAP21 4 FS 10-36V	50	2458990000			
30–70 V AC/DC, with LED	AAP21 4 FS 30-70V	50	2460200000			
60-150 V AC/DC, with LED	AAP21 4 FS 60-150V	50	2460190000			
100-250 V AC/DC, with LED	AAP21 4 FS 100-250V	50	2460180000			
beige / red pusher						
beige / blue pusher				AAP21 4 DT	50	2428980000
Note						

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD		60	2460450000				
10-pole / red	ZQV 4N/10 RD		20	2460740000				
2-pole / blue					ZQV 4N/2 BL	32 A	60	1528040000
10-pole/ blue					ZQV 4N/10 BL	32 A	20	1528230000
End plate / Partition plate								
	AEP AP21		20	2429020000	AEP AP21		20	2429020000
End bracket								
dark beige	AEB 35 SC/1		50	1991920000	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Test plug								
	PS 2.0 MC		20	0310000000				
Screwdriver								
Standard	SDIL 0,6x3,5x100		1	9042110000	SDIL 0,6x3,5x100		1	9042110000
Identification systems								
	WS 10/6 M PLUS MC NE WS		600	2003780000	WS 10/6 M PLUS MC NE WS		600	2003780000
	DEK 5/6 MM WS		600	2007120000	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000	WS 8/6 MM WS		600	2007160000
	DEK 5/6 PLUS MC NE WS		1000	1011320000	DEK 5/6 PLUS MC NE WS		1000	1011320000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)								
0.25 A fast	G 20/0.25A/F		10	0430500000				
0.50 A fast	G 20/0.50A/F		10	0430600000				
1.00 A fast	G 20/1.00A/F		10	0430700000				
2.00 A fast	G 20/2.00A/F		10	0430900000				
Test adapter								
1-pole								
For detailed information on other accessories and application in the online catalogue	All MultiMark variants (MM) = strip markers				All MultiMark variants (MM) = strip markers			

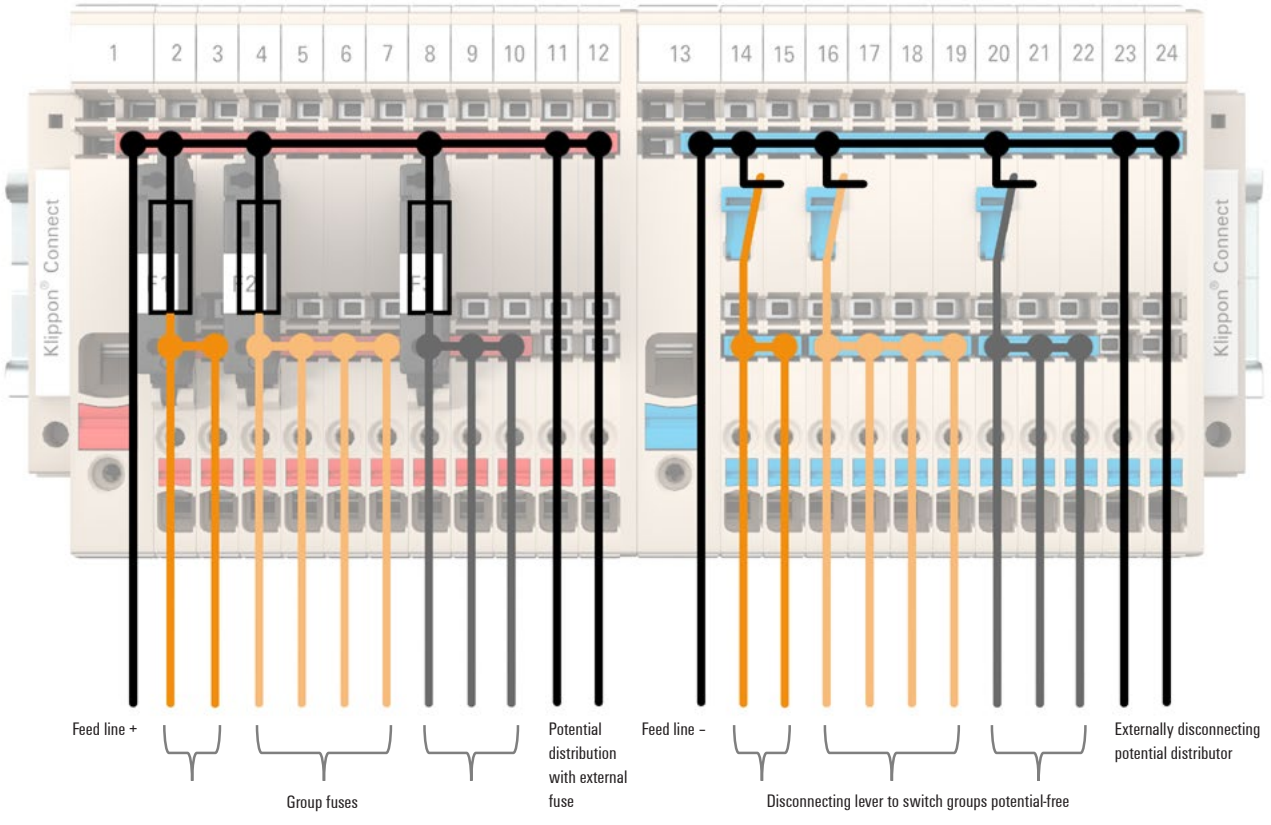
Clear, compact construction of control voltage distribution

Example configuration of potential distribution terminal block with fusing



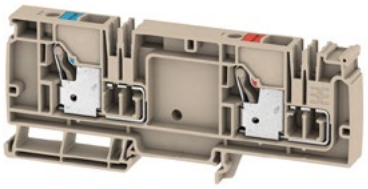
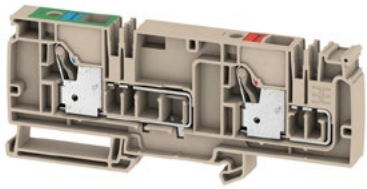
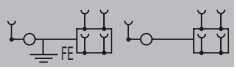
- Group fusing through breakaway of individual poles in the cross-connections
- Groups can be switched potential-free via a disconnector
- Direct potential distribution possible without fusing within the structure

Schematic representation of circuit diagram



AAP - potential distribution terminal blocks

Potential distribution with integrated fusing

	AAP22 10 LO-LO	AAP22 10 FE-LO
	10 mm²	10 mm²
		
Width/Height/Depth mm	12 x 129 x 53.5	12 x 129 x 53.5
max. current / max. cond. cross-section A/mm²	**57 / 10**	**17 / 10**
Max. clamping range mm²	**0.5...10**	**0.5...10** 

Technical data

	AAP22 10 LO-LO	AAP22 10 FE-LO
Rated data		
Rated voltage V	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated current A	IEC: 250 / UL: 150 / CSA: / EN 60079-7:	IEC: 250 / UL: 150 / CSA: / EN 60079-7:
for wire cross-section mm²	57 / UL: 51	17 / UL: 51
Rated impulse withstand voltage / Pollution severity	10 / UL: AWG 20...6	10 / UL: AWG 20...6
Gauge to IEC 60947-1 / UL 94 flammability rating	4 kV / 3	4 kV / 3
Number of operating cycles	A6 / V-0	A6 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...10	0.5...10 / 0.5...10
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm	18 / 1.0 x 5.5 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	AAP22 10 LO-LO	AAP22 10 FE-LO
	beige / red and blue pushers	
Note		

Type	Qty.	Order No.
AAP22 10 LO-LO	20	**2428990000**
AAP22 10 FE-LO	20	**2429000000**

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD		60	**2460450000**
10-pole / red	ZQV 4N/10 RD		20	**2460740000**
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate				
	AEP AP22		20	**2429040000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 4N/2 RD		60	**2460450000**
10-pole / red	ZQV 4N/10 RD		20	**2460740000**
2-pole / blue	ZQV 4N/2 BL	32 A	60	**1528040000**
10-pole/ blue	ZQV 4N/10 BL	32 A	20	**1528230000**
End plate / Partition plate				
	AEP AP22		20	**2429040000**
End bracket				
dark beige	AEB 35 SC/1		50	**1991920000**
dark beige	ZEW 35/2		20	**8630740000**
Test plug				
	PS 2.0 MC		20	**0310000000**
Screwdriver				
Standard	SDIL 1,0x5,5x125		1	**9042130000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

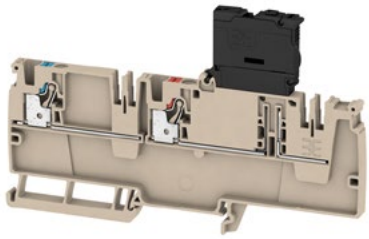
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

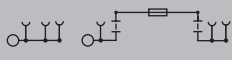
All MultiMark variants (MM) = strip markers

AAP - potential distribution terminal blocks

AAP22 4 LI-FS | **4 mm²**



Width/Height/Depth	6.1 x 129 x 82 mm
max. current / max. cond. cross-section	6.3 / 4 A/mm²
Max. clamping range	0.5...4 mm²



Technical data

Rated data	In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-3
Rated voltage to adjoining terminal	500 V
Rated current	6.3 A
for wire cross-section	4 mm²
Rated impulse withstand voltage / Pollution severity	4 kV / 3
UL 94 flammability rating	V-0
Approvals	c UL us
Clamped conductors (H05V/H07V)	**Rated connection**
Solid / Stranded	0.5...4 / 0.5...4 mm²
Flexible / Flexible with ferrule	0.5...4 / 0.5...4 mm²
Stripping length	12 mm
Blade size	0.6 x 3.5 mm
Note	Approval in progress

IEC	UL	CSA	EN 60079-7
500	300 (D)		
6.3	10		
4	AWG 26...10		

Ordering data

Version	Type	Qty.	Order No.
250 V AC/DC, without LED	AAP22 4 LI-FS	50	2429010000
10-36 V AC/DC, with LED	AAP22 4 LI-FS 10-36V	50	2459010000
30–70 V AC/DC, with LED	AAP22 4 LI-FS 30-70V	50	2460140000
60-150 V AC/DC, with LED	AAP22 4 LI-FS 60-150V	50	2460130000
100-250 V AC/DC, with LED	AAP22 4 LI-FS 100-250V	50	2460120000
Note			

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole / blue	ZQV 4N/2 BL	32 A	60	1528040000
10-pole/ blue	ZQV 4N/10 BL	32 A	20	1528230000
2-pole/ red	ZQV 4N/2 RD		60	2460450000
10-pole / red	ZQV 4N/10 RD		20	2460740000
End plate / Partition plate				
	AEP AP22		20	2429040000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIL 0,6x3,5x100		1	9042110000
Identification systems				
	WS 10/6 M PLUS MC NE WS		600	2003780000
	DEK 5/6 MM WS		600	2007120000
	WS 8/6 MM WS		600	2007160000
	DEK 5/6 PLUS MC NE WS		1000	1011320000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)				
0.25 A fast	G 20/0.25A/F		10	0430500000
0.50 A fast	G 20/0.50A/F		10	0430600000
1.00 A fast	G 20/1.00A/F		10	0430700000
2.00 A fast	G 20/2.00A/F		10	0430900000

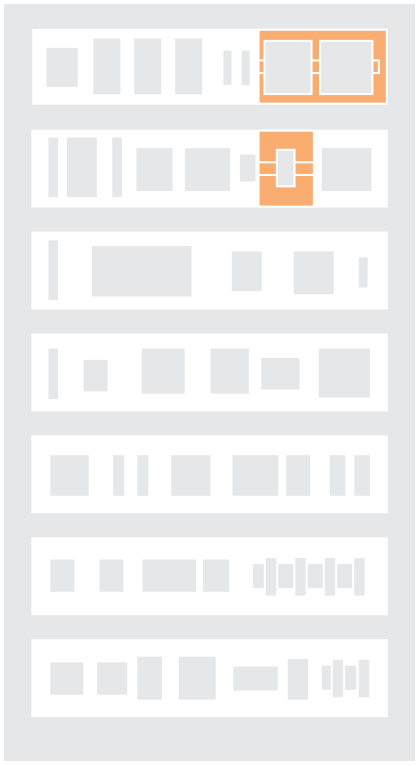
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

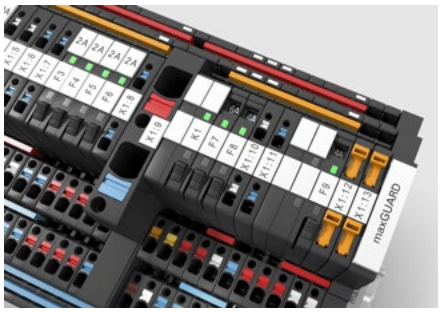
Load monitoring and potential distribution in one complete solution

maxGUARD – taking control voltage distribution to a new level

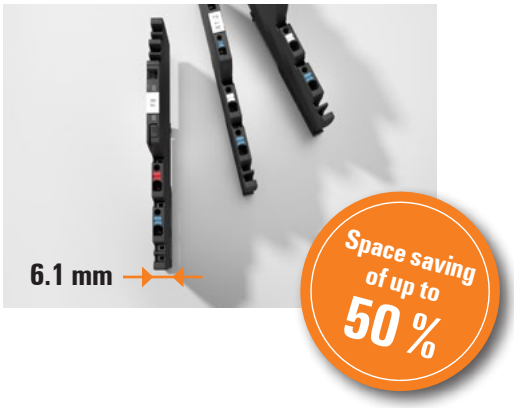
Fail-safe and maintenance-friendly control voltage distributions that can be installed in a time- and space-saving manner are a must for efficient machine and facility operation. With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution solution. The new combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50 %.



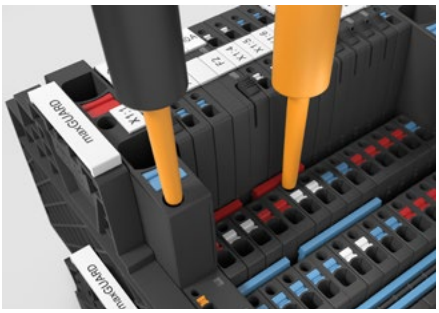
Extreme ease of servicing
Sophisticated operating, testing and connection elements permit safe access to all voltage potentials and load circuits during commissioning and maintenance.



Particularly space-saving
Electronic load monitors and potential distributors with a 6.1 mm pitch.

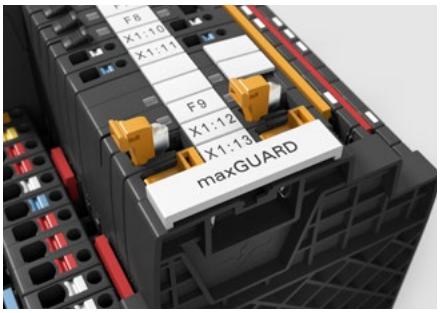


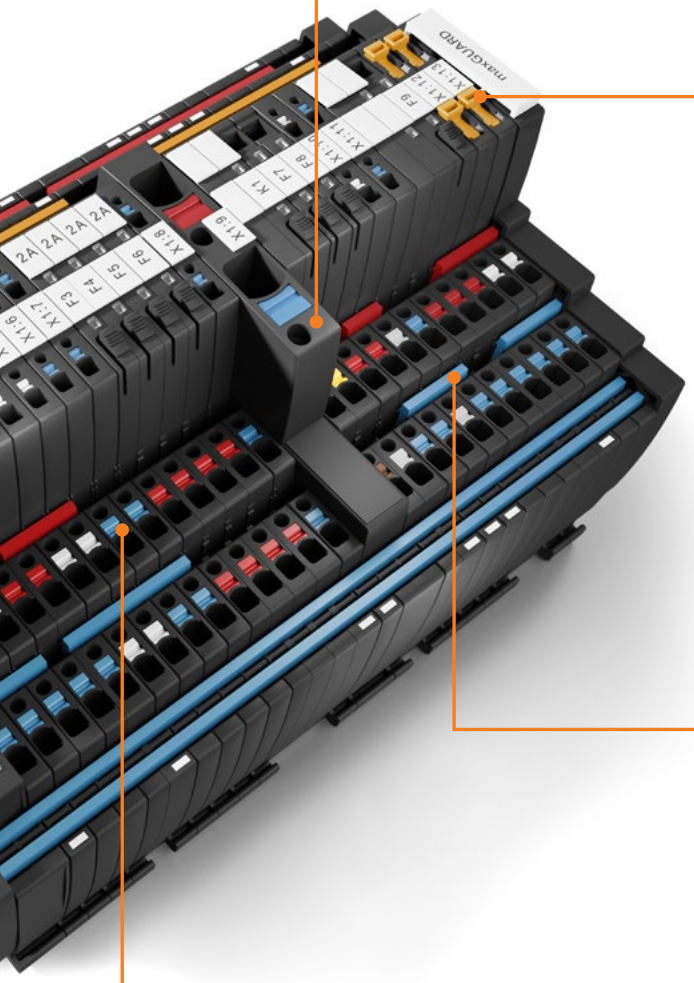
Integrated test point
Consistently integrated test points in the maxGUARD control voltage distribution's input and output speed up troubleshooting operations.



New approvals: Marine, Class 2, Ex

Practical disconnecting lever
Potential distributor with a disconnecting lever for simple galvanic isolation of the load circuit for testing and checking purposes.





Unique cross-connectors
Less time and effort needed for wiring due to cross-connections between load monitoring and potential distribution terminals.

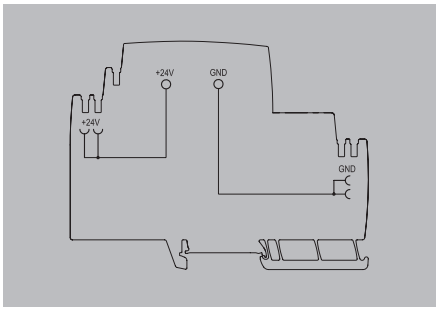
Time saving of up to 20 %

Can be used in a customised way
The sheer range of variants and the very different potential distribution terminals and additional components enable customised solutions at all times.

maxGUARD – power-feed module

Passive power-feed module

AMG FIM-0



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	
General data	
Protection degree	IP20
Control inputs	No
Overvoltage category	III
Connection data	
Number of terminals	2 (+,–)
Wire cross-section, AWG/kcmil min/max	18...6
Wire cross-section, flexible min/max	0.75...16 mm²
Wire cross-section, rigid min/max	0.75...10 mm²
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

Ordering data

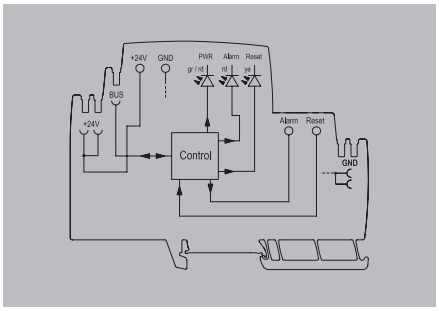
Rated current			
Note			

Type	Qty.	Order No.
AMG FIM-0	1	**2081870000**

maxGUARD – power-feed module

Active power-feed module with reset and alarm function

AMG FIM-C



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18…30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	20 mA
Current consumption (full load)	120 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Control inputs	Reset
Overvoltage category	III
Signalling	
LED yellow	External reset is signalled, Alarm is signalled
LED green	Operating voltage OK
LED red	Alarm
Transistor output, positive-switching	Alarm
Connection data	
Number of terminals	2 (+,–)
Wire cross-section, AWG/kcmil min/max	18…6
Wire cross-section, flexible min/max	0.75…16 mm²
Wire cross-section, rigid min/max	0.75…10 mm²
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

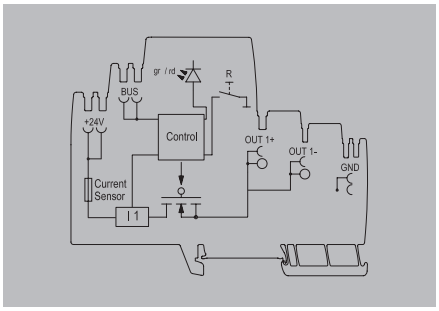
Ordering data

Rated current	Type	Qty.	Order No.
	AMG FIM-C	1	2081880000
Note			

maxGUARD – load monitoring (fixed value)

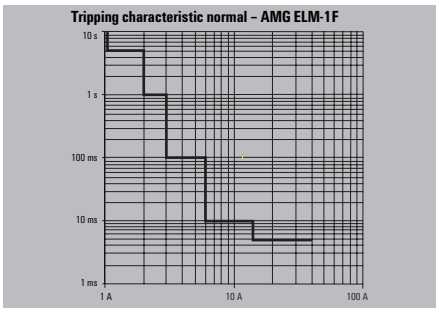
Electronic load monitoring with fixed current (without I > 90% function)

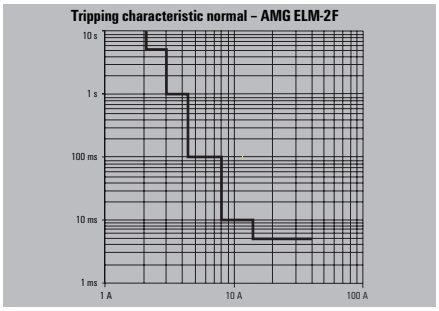
AMG ELM - xF

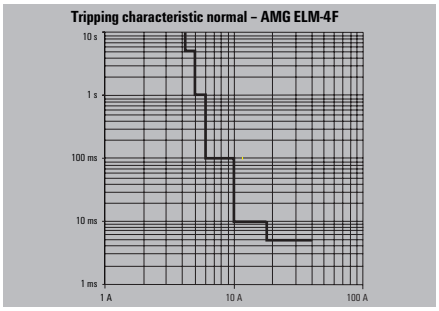


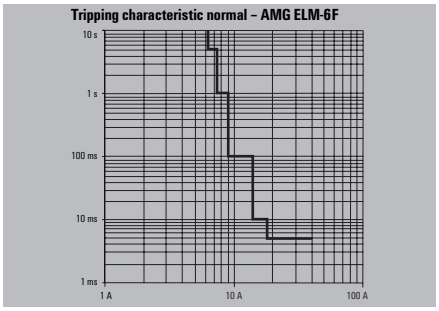
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle) / Current consumption (full load)	25 mA / I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
Capacitive load	2080420000: 10,000 µF; 2080480000: 10,000 µF; 2080490000: 10,000 µF; 2080500000: 15,000 µF		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree / Overvoltage category	IP20 / III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)		
Note			









Ordering data

Rated current	Type	Qty.	Order No.
1.00 A	AMG ELM-1F	1	**2080420000**
2.00 A	AMG ELM-2F	1	**2080480000**
4.00 A	AMG ELM-4F	1	**2080490000**
6.00 A	AMG ELM-6F	1	**2080500000**
Note			

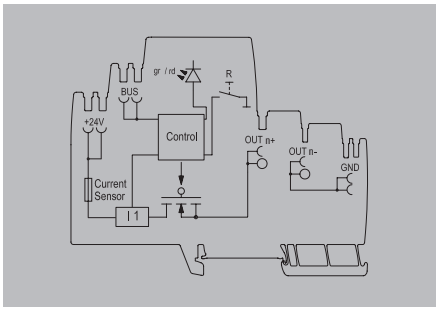
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	**2123050000**
	AMG MD	10	**2122930000**
	AMG OD	10	**2122910000**
	AMG PD	10	**2122920000**
Note			

maxGUARD – load monitoring (fixed value)

Electronic load monitoring with fixed rated current (without I > 90 % pre warning)

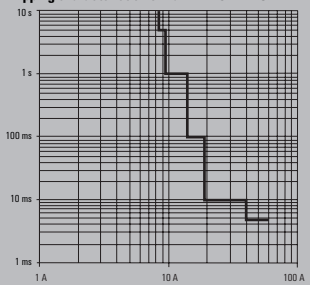
AMG ELM - xF



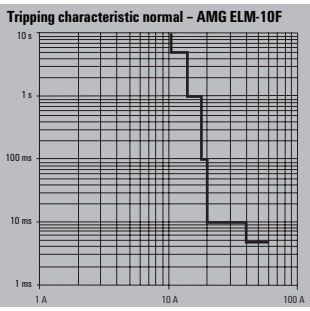
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Surge protection	Suppressor diode		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
Capacitive load	2080600000: 15,000 µF; 2080650000: 20,000 µF		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	4 (++ / –)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)		
Note			

Tripping characteristic normal – AMG ELM-8F



Tripping characteristic normal – AMG ELM-10F



Ordering data

Rated current	Type	Qty.	Order No.
8.00 A	AMG ELM-8F	1	2080600000
10.00 A	AMG ELM-10F	1	2080650000
Note			

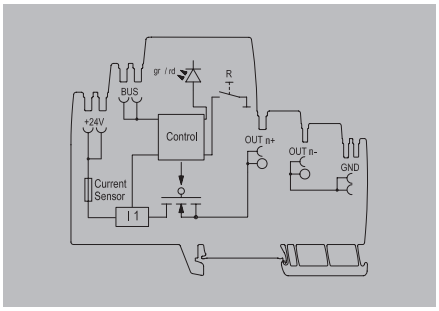
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	2123050000
	AMG MD	10	2122930000
	AMG OD	10	2122910000
	AMG PD	10	2122920000
Note			

maxGUARD – load monitoring (fixed value), Class 2

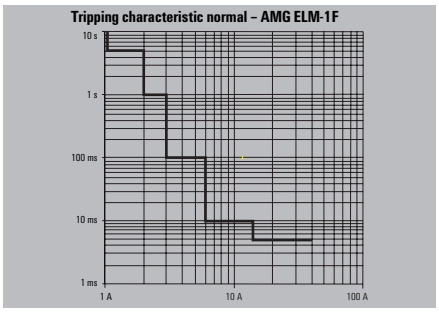
Electronic load monitoring with fixed rated current (without I > 90 % pre warning)
- Class 2 Approval

AMG ELM - xF CL2

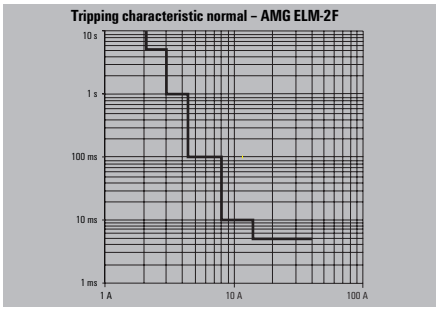


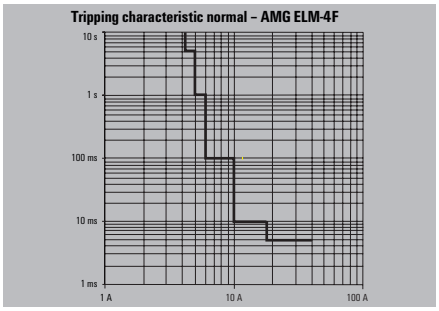
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Surge protection	Suppressor diode		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
Capacitive load	4.700 µF		



Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, class 2 (UL 1310))		
Note			





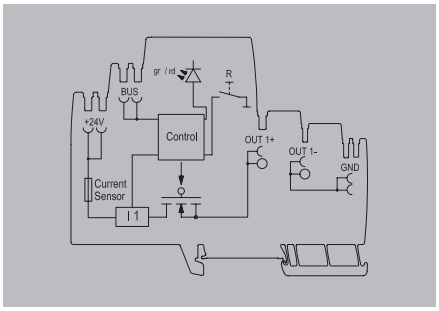
Ordering data

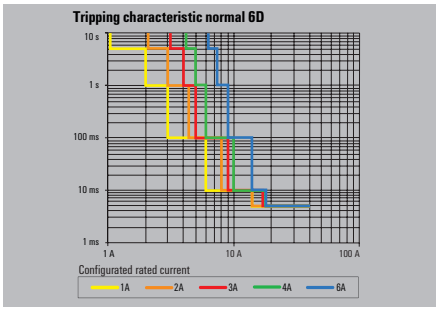
	Type	Qty.	Order No.
1.00 A	AMG ELM-1F CL2	1	**2491270000**
2.00 A	AMG ELM-2F CL2	1	**2491280000**
4.00 A	AMG ELM-4F CL2	1	**2491290000**
Note			

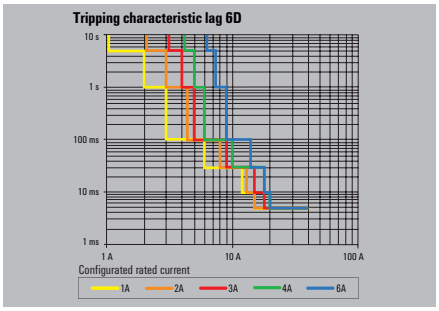
maxGUARD – load monitoring adjustable

Electronic load monitoring with adjustable triggering current and triggering characteristic

AMG ELM-6







Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Backup modes	1- 6 A		
Switch-on delay	1 s		
Capacitive load	15,000 µF		
adjustable rated current	Yes		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)		
Note			

Ordering data

Rated current	Type	Qty.	Order No.
6.00 A	AMG ELM-6	1	2080360000
Note			

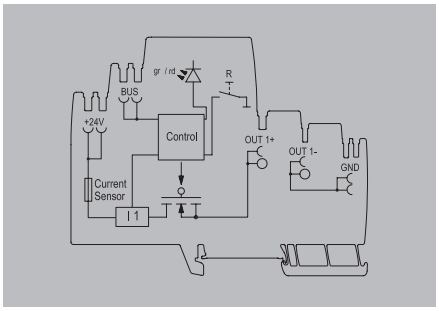
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	2123050000
	AMG MD	10	2122930000
	AMG OD	10	2122910000
	AMG PD	10	2122920000
Note			

maxGUARD – load monitoring adjustable

Electronic load monitoring with adjustable trigger current and characteristic (with I > 90 % pre warning)

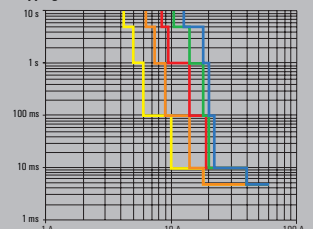
AMG ELM-12



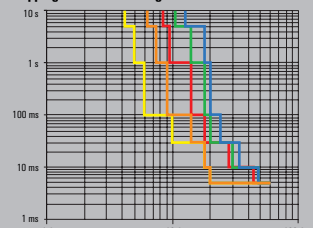
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Backup modes	4-12 A		
Switch-on delay	1 s		
adjustable rated current	Yes		
Capacitive load	20,000 µF		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	4 (++ / –)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)		
Note			

Tripping characteristic normal



Tripping characteristic lag



Ordering data

Rated current	Type	Qty.	Order No.
12.00 A	AMG ELM-12	1	**2080410000**
Note			

Accessories

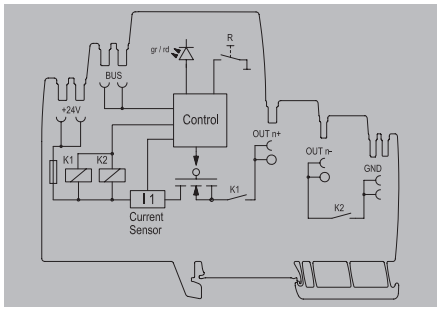
Type	Qty.	Order No.
AMG DIS	10	**2123050000**
AMG MD	10	**2122930000**
AMG OD	10	**2122910000**
AMG PD	10	**2122920000**

Note

maxGUARD – load monitoring with relay

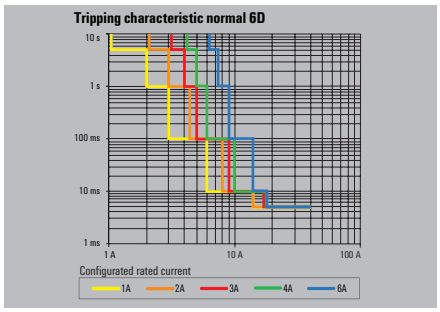
Electronic load monitoring with 2-pole output relay for all-pole load disconnection; triggering current and triggering characteristic adjustable.

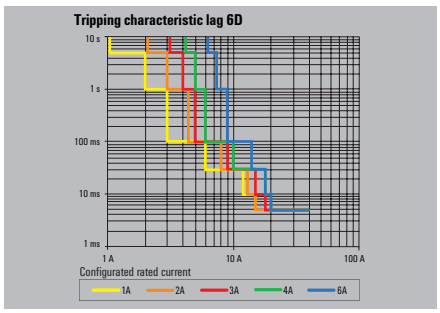
AMG ELM – adjustable with output relay

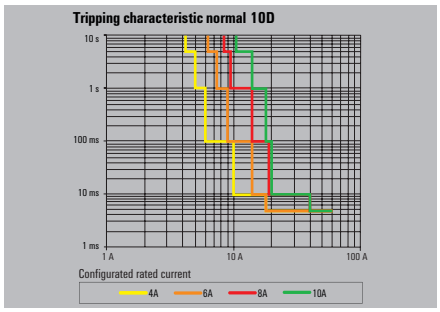


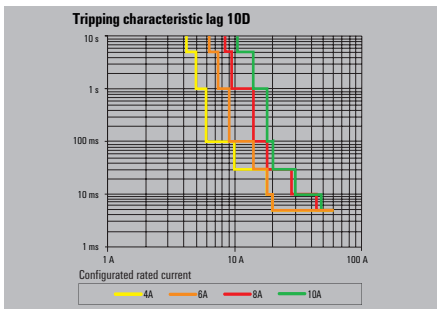
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	40 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Backup modes	2082470000: 4- 10 A 2082440000: 1- 6 A		
Switch-on delay	1 s		
adjustable rated current	Yes		
Capacitive load	20,000 µF 15,000 µF		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	Yes		
Protection degree / Surge protection	IP20 / Suppressor diode		
Conformal coating	Yes		
Signalling			
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	6 (3x + / 3x -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)		
Note			









Ordering data

Rated current	Type	Qty.	Order No.
6.00 A	AMG ELM-6D CO	1	2082440000
10.00 A	AMG ELM-10D CO	1	2082470000
Note			

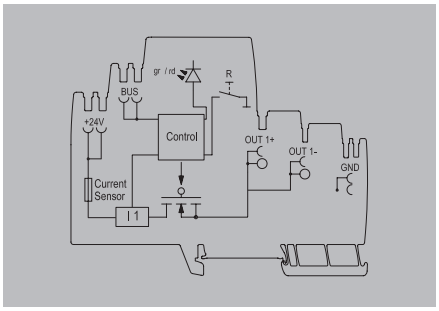
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	2123050000
	AMG MD	10	2122930000
	AMG OD	10	2122910000
	AMG PD	10	2122920000
Note			

maxGUARD – load monitoring, 4 channels

4-channel electronic load monitoring with fixed triggering current.

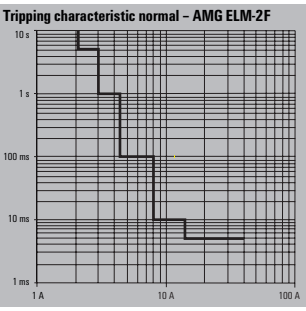
AMG ELM - Qxxxx



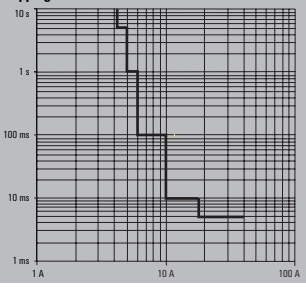
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle) / Current consumption (full load)	35 mA / 4x I_{OUT} +45 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
adjustable rated current	No		
Capacitive load	10,000 µF		
Surge protection	Suppressor diode		
Rated current per channel	2080750000: 2 A; 2 A; 2 A; 2 A 2081650000: 2 A; 2 A; 4 A; 4 A 2081820000: 2 A; 2 A; 6 A; 6 A 2080880000: 4 A; 4 A; 4 A; 4 A 2080920000: 6 A; 6 A; 6 A; 6 A		
Number of channels	4		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree / Overvoltage category	IP20 / III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	8 (4x ++		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)		
Note			

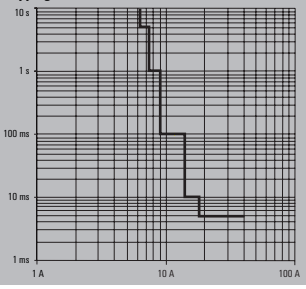
Tripping characteristic normal – AMG ELM-2F



Tripping characteristic normal – AMG ELM-4F



Tripping characteristic normal – AMG ELM-6F



Ordering data

Rated current	Type	Qty.	Order No.
	AMG ELM-Q2222	1	2080750000
	AMG ELM-Q2244	1	2081650000
	AMG ELM-Q2266	1	2081820000
	AMG ELM-Q4444	1	2080880000
	AMG ELM-Q6666	1	2080920000
Note			

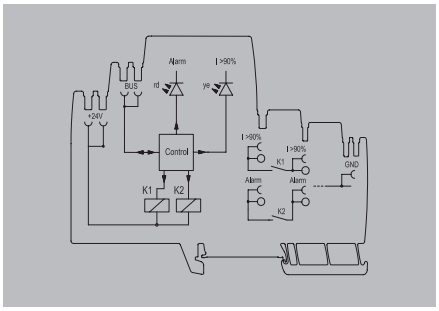
Accessories

	Type	Qty.	Order No.
	AMG XMD	10	2122940000
Note			

maxGUARD – Alarm module

Alarm module with potential-free contacts for the “Alarm” and “I>90%” signals.

AMG AM



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Overvoltage category	III
Signalling	
LED yellow	Current > 90% Inom (flashing)
LED red	Alarm
Floating contact	Yes
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
Connection data	
Number of terminals	4 (2 x NO)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

Ordering data

Rated current	Type	Qty.	Order No.
	AMG AM	1	**2081890000**
Note			

Accessories

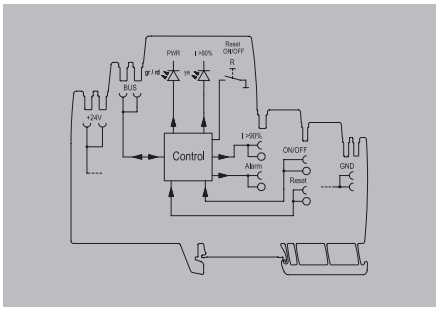
Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	**1528130000**
50-pole / red	ZQV 4N/50 RD	5	**2460730000**
50-pole / blue	ZQV 4N/50 BL	5	**1528240000**
2-pole	ZQV 4N/2	60	**1527930000**
2-pole/ red	ZQV 4N/2 RD	60	**2460450000**
2-pole / blue	ZQV 4N/2 BL	60	**1528040000**
Note			

Control voltage distribution
PUSH IN connection

maxGUARD – control module

Control module with extended control function: Alarm, Reset, I>90%, ON/OFF

AMG CM



Technical data

Input	
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	225 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Surge protection	Suppressor diode
General data	
Relay to activate the output	No
Protection degree	IP20
Control inputs	ON/ OFF, Reset
Overvoltage category	III
Signalling	
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Transistor output, positive-switching	Pre-warning, Alarm
Connection data	
Number of terminals	2 (Reset / ON)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

Ordering data

Rated current	Type	Qty.	Order No.
	AMG CM	1	2081900000
Note			

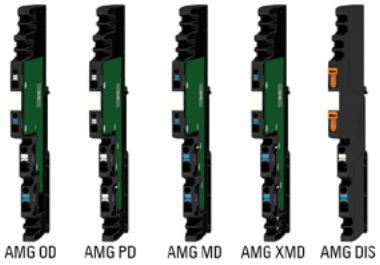
Accessories

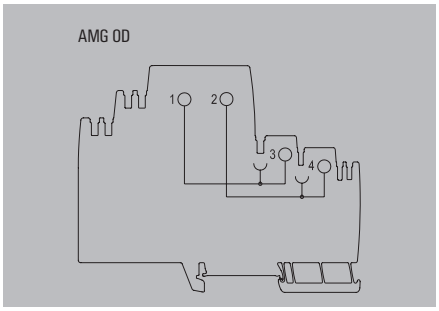
Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole/ red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000
Note			

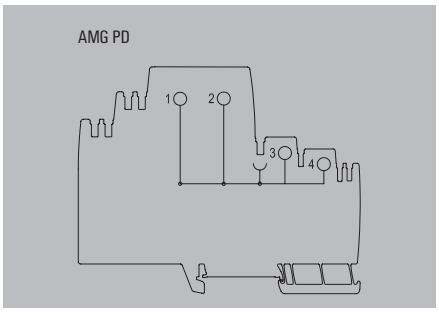
maxGUARD – Potential distributor

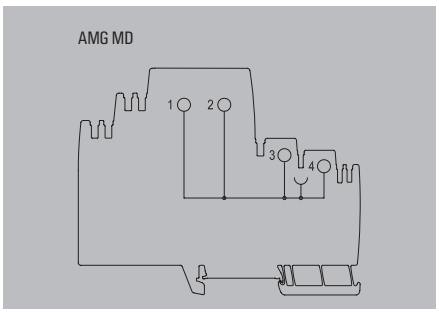
Potential distribution in combination with the electronic load monitoring.

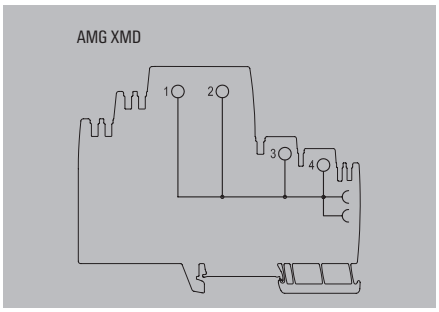
AMG

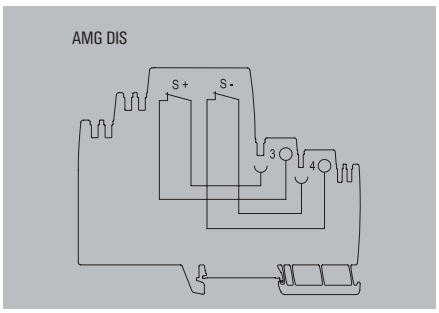












Technical data

General data	
Protection degree	IP20
Total current load per potential	2122910000: 12 A; 2122920000: 12 A; 2122930000: 12 A; 2122940000: 24 A; 2123050000: 12 A
Current load per contact point	12 A
Connection data	
Connection system	PUSH IN
Number of terminals	2 x 1.5 mm², 2 x 2.5 mm²
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

Ordering data

Type	Qty.	Order No.
AMG OD	10	2122910000
AMG PD	10	2122920000
AMG MD	10	2122930000
AMG XMD	10	2122940000
AMG DIS	10	2123050000

Note

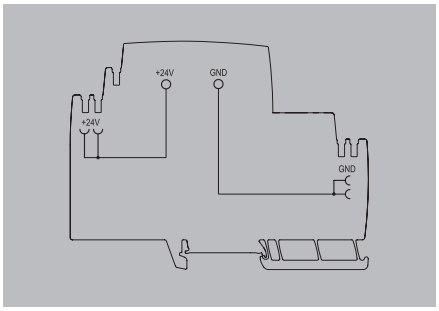
Accessories

Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole/ red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000
Note			

maxGUARD – power-feed module

Passive power-feed module

AMG FIM-0 Ex



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	
General data	
Protection degree	IP20
Control inputs	No
Overvoltage category	III
Connection data	
Number of terminals	2 (+,–)
Wire cross-section, AWG/kcmil min/max	18...6
Wire cross-section, flexible min/max	0.75...16 mm²
Wire cross-section, rigid min/max	0.75...10 mm²
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)
Note	

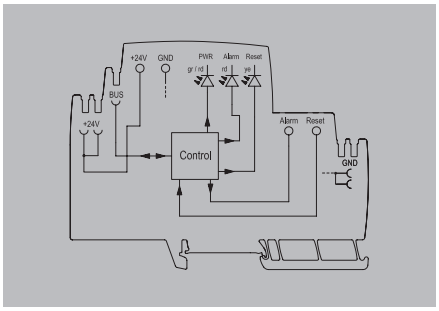
Ordering data

Rated current			
Type	**Qty.**	**Order No.**	
AMG FIM-0 EX	1	**2082530000**	
Note			

maxGUARD – power-feed module

Active power-feed module with reset and alarm function

AMG FIM-C Ex



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18…30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	20 mA
Current consumption (full load)	120 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Control inputs	Reset
Overvoltage category	III
Signalling	
LED yellow	External reset is signalled, Alarm is signalled
LED green	Operating voltage OK
LED red	Alarm
Transistor output, positive-switching	Alarm
Connection data	
Number of terminals	2 (+,–)
Wire cross-section, AWG/kcmil min/max	18…6
Wire cross-section, flexible min/max	0.75…16 mm²
Wire cross-section, rigid min/max	0.75…10 mm²
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)
Note	

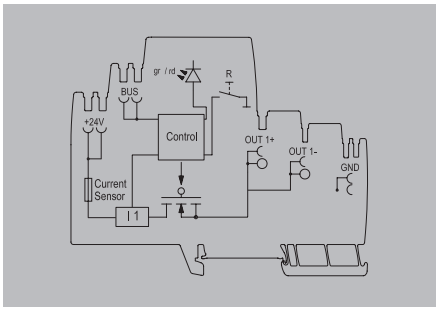
Ordering data

Rated current	Type	Qty.	Order No.
	AMG FIM-C EX	1	2082540000
Note			

maxGUARD – load monitoring (fixed value)

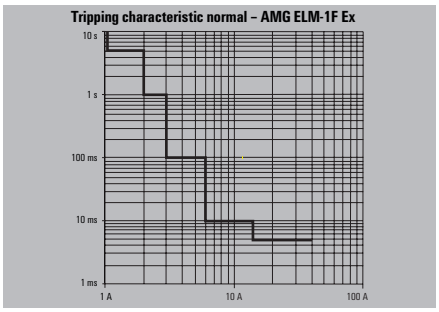
Electronic load monitoring with fixed current (without I > 90% function)

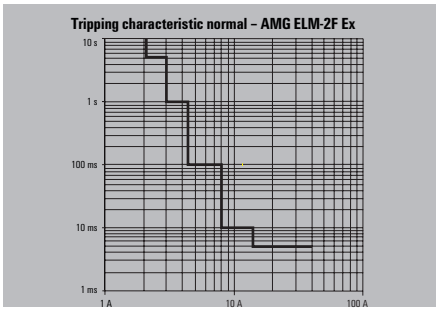
AMG ELM - xF Ex

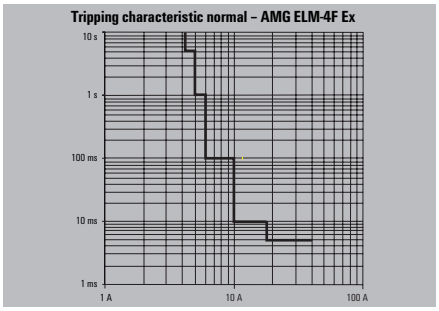


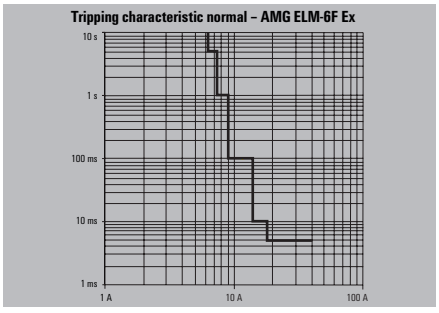
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle) / Current consumption (full load)	25 mA / I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
Capacitive load	2082040000: 10,000 µF; 2082050000: 10,000 µF; 2082060000: 10,000 µF; 2082310000: 15,000 µF		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree / Overvoltage category	IP20 / III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)		
Note			









Ordering data

Rated current	Type	Qty.	Order No.
1.00 A	AMG ELM-1F EX	1	2082040000
2.00 A	AMG ELM-2F EX	1	2082050000
4.00 A	AMG ELM-4F EX	1	2082060000
6.00 A	AMG ELM-6F EX	1	2082310000
Note			

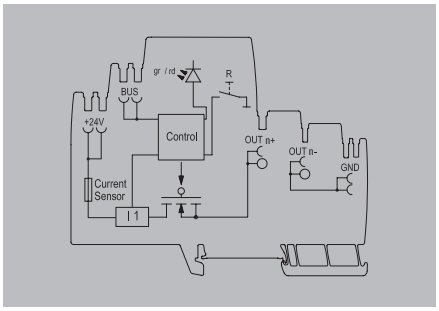
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	2123050000
	AMG MD	10	2122930000
	AMG OD	10	2122910000
	AMG PD	10	2122920000
Note			

maxGUARD – load monitoring (fixed value)

Electronic load monitoring with fixed rated current (without I > 90 % pre warning)

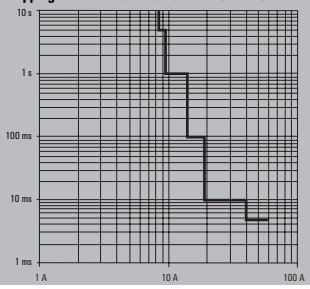
AMG ELM - xF Ex



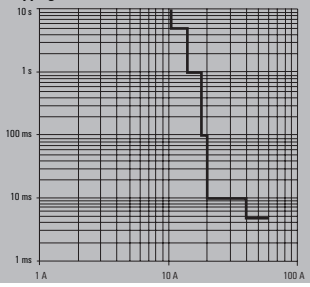
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Surge protection	Suppressor diode		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Switch-on delay	1 s		
Capacitive load	2082320000: 15,000 µF; 2082430000: 20,000 µF		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	4 (++ / –)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)		
Note			

Tripping characteristic normal – AMG ELM-8F Ex



Tripping characteristic normal – AMG ELM-10F Ex



Ordering data

Rated current	Type	Qty.	Order No.
8.00 A	AMG ELM-8F EX	1	**2082320000**
10.00 A	AMG ELM-10F EX	1	**2082430000**
Note			

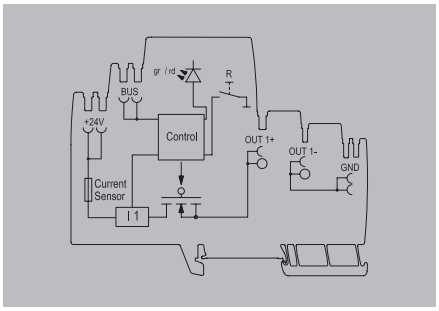
Accessories

	Type	Qty.	Order No.
	AMG DIS	10	**2123050000**
	AMG MD	10	**2122930000**
	AMG OD	10	**2122910000**
	AMG PD	10	**2122920000**
Note			

maxGUARD – load monitoring adjustable

Electronic load monitoring with adjustable triggering current and triggering characteristic

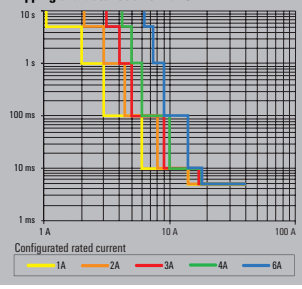
AMG ELM-6 Ex



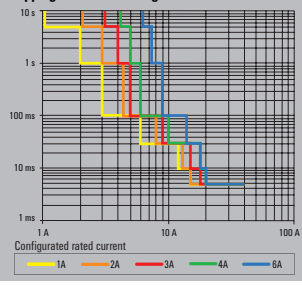
Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Backup modes	1- 6 A		
Switch-on delay	1 s		
Capacitive load	15,000 µF		
adjustable rated current	Yes		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)		
Note			

Tripping characteristic normal 6D Ex



Tripping characteristic lag 6D Ex



Ordering data

Rated current	Type	Qty.	Order No.
6.00 A	AMG ELM-6 EX	1	**2082000000**
Note			

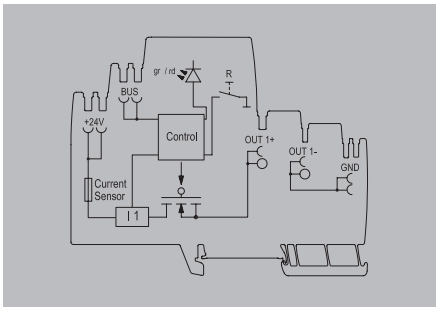
Accessories

Type	Qty.	Order No.
AMG DIS	10	**2123050000**
AMG MD	10	**2122930000**
AMG OD	10	**2122910000**
AMG PD	10	**2122920000**
Note		

maxGUARD – load monitoring adjustable

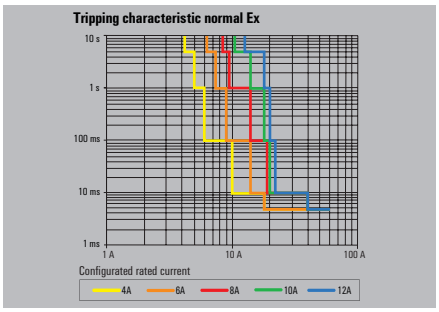
Electronic load monitoring with adjustable trigger current and characteristic (with I > 90 % pre warning)

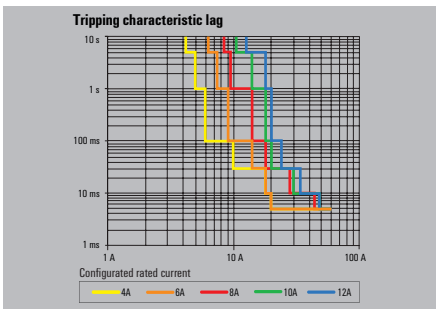
AMG ELM-12 Ex



Technical data

Input			
Input fuse (internal)	Yes		
DC input voltage range	18...30 V DC		
Rated input voltage	24 V DC		
Current consumption (idle)	25 mA		
Current consumption (full load)	I_{OUT} +30 mA		
max. admissible residual ripple at the input	100 mVpp		
Output			
Connection system	PUSH IN		
Triggering characteristic	see characteristic curve		
Backup modes	4-12 A		
Switch-on delay	1 s		
adjustable rated current	Yes		
Capacitive load	20,000 µF		
Surge protection	Suppressor diode		
Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED	Red LED	LED green
Output, subsequent state	switched off	switched off	switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	4 (++ / –)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm²		
Wire cross-section, rigid min/max	0.14...2.5 mm²		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)		
Note			





Ordering data

Rated current	
	12.00 A
Note	

Type	Qty.	Order No.
AMG ELM-12 EX	1	**2082010000**

Accessories

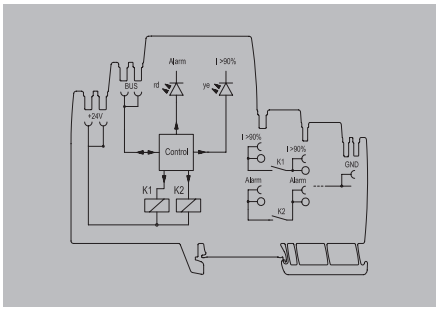
Note	

Type	Qty.	Order No.
AMG DIS	10	**2123050000**
AMG MD	10	**2122930000**
AMG OD	10	**2122910000**
AMG PD	10	**2122920000**

maxGUARD – Alarm module

Alarm module with potential-free contacts for the “Alarm” and “I>90%” signals.

AMG AM CO



Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Overvoltage category	III
Signalling	
LED yellow	Current > 90% Inom (flashing)
LED red	Alarm
Floating contact	Yes
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
Connection data	
Number of terminals	4 (2x NO)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)
Note	

Ordering data

Rated current	Type	Qty.	Order No.
	AMG AM CO	1	2082770000
Note			

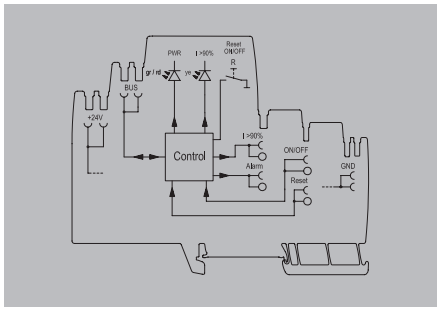
Accessories

Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole/ red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000
Note			

maxGUARD – control module

Control module with extended control function: Alarm, Reset, I>90%, ON/OFF

AMG CM Ex



Technical data

Input	
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	225 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Surge protection	Suppressor diode
General data	
Relay to activate the output	No
Protection degree	IP20
Control inputs	ON/ OFF, Reset
Overvoltage category	III
Signalling	
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Transistor output, positive-switching	Pre-warning, Alarm
Connection data	
Number of terminals	2 (Reset / ON)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)
Note	

Ordering data

Rated current	Type	Qty.	Order No.
	AMG CM EX	1	2083360000
Note			

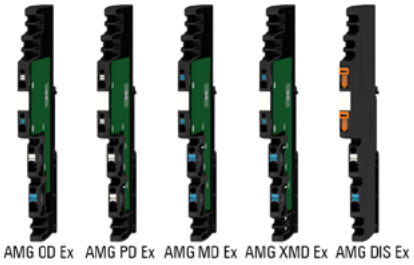
Accessories

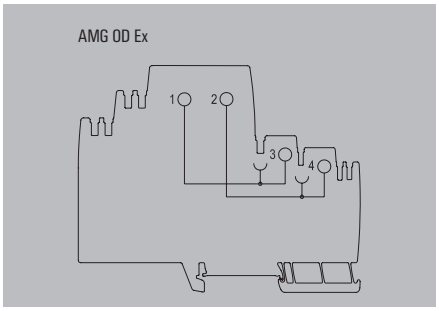
Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole/ red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000
Note			

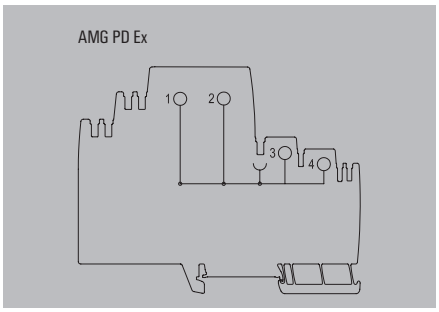
maxGUARD – Potential distributor

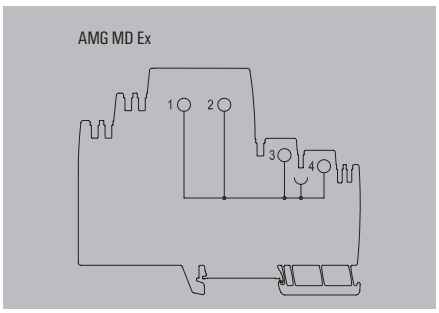
Potential distribution in combination with the electronic load monitoring.

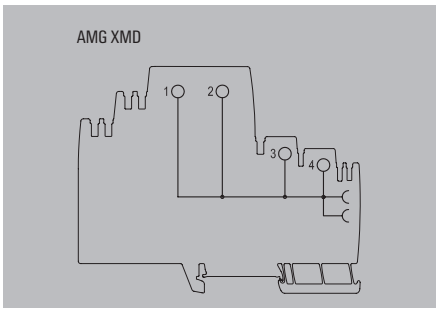
AMG

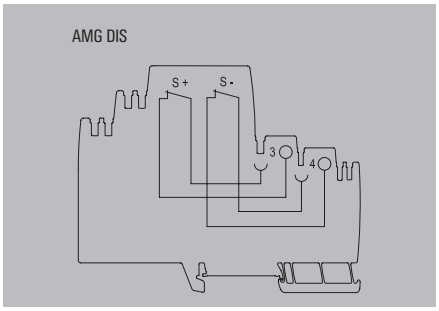












Technical data

General data	
Protection degree	IP20
Total current load per potential	2495090000: 12 A; 2495070000: 12 A; 2495040000: 12 A; 2495080000: 24 A; 2495100000: 12 A
Current load per contact point	12 A
Connection data	
Connection system	PUSH IN
Number of terminals	2 x 1.5 mm², 2 x 2.5 mm²
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm²
Wire cross-section, rigid min/max	0.14...2.5 mm²
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEX)
Note	

Ordering data

Type	Qty.	Order No.
AMG OD EX	1	2495090000
AMG PD EX	1	2495070000
AMG MD EX	10	2495040000
AMG XMD EX	1	2495080000
AMG DIS EX	1	2495100000

Note

Accessories

Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole/ red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000

Note

maxGUARD – accessories

Cross-connector orange

	Type	Qty.	Order No.
2-pin	ZQV 4N/2	60	1527930000
3-pin	ZQV 4N/3	60	1527940000
4-pin	ZQV 4N/4	60	1527970000
5-pin	ZQV 4N/5	60	1527980000
6-pin	ZQV 4N/6	20	1527990000
7-pin	ZQV 4N/7	20	1528020000
8-pin	ZQV 4N/8	20	1528030000
9-pin	ZQV 4N/9	20	1528070000
10-pin	ZQV 4N/10	20	1528090000
50-pin	ZQV 4N/50	5	1528130000

Cross-connector blue

Type	Qty.	Order No.
ZQV 4N/2 BL	60	1528040000
ZQV 4N/3 BL	60	1528080000
ZQV 4N/4 BL	60	1528120000
ZQV 4N/5 BL	60	1528140000
ZQV 4N/6 BL	20	1528170000
ZQV 4N/7 BL	20	1528180000
ZQV 4N/8 BL	20	1528190000
ZQV 4N/9 BL	20	1528220000
ZQV 4N/10 BL	20	1528230000
ZQV 4N/50 BL	5	1528240000

Cross-connector red

Type	Qty.	Order No.
ZQV 4N/2 RD	60	2460450000
ZQV 4N/3 RD	60	2460810000
ZQV 4N/4 RD	60	2460800000
ZQV 4N/5 RD	60	2460790000
ZQV 4N/6 RD	20	2460780000
ZQV 4N/7 RD	20	2460770000
ZQV 4N/8 RD	20	2460760000
ZQV 4N/9 RD	20	2460750000
ZQV 4N/10 RD	20	2460740000
ZQV 4N/50 RD	5	2460730000

maxGUARD – accessories

End plate and Separation plate

Type	Qty.	Order No.
AMG PP	40	2123000000
AMG EP	30	2495380000
AMG EP KIT	1	2500760000

End brackets

Type	Qty.	Order No.
WEW 35/2 SW	100	1061210000
WEW 35/2 V0 GF SW	100	1479000000

Cutting tool for ZQV

Type	Qty.	Order No.
KT 14	1	1157820000

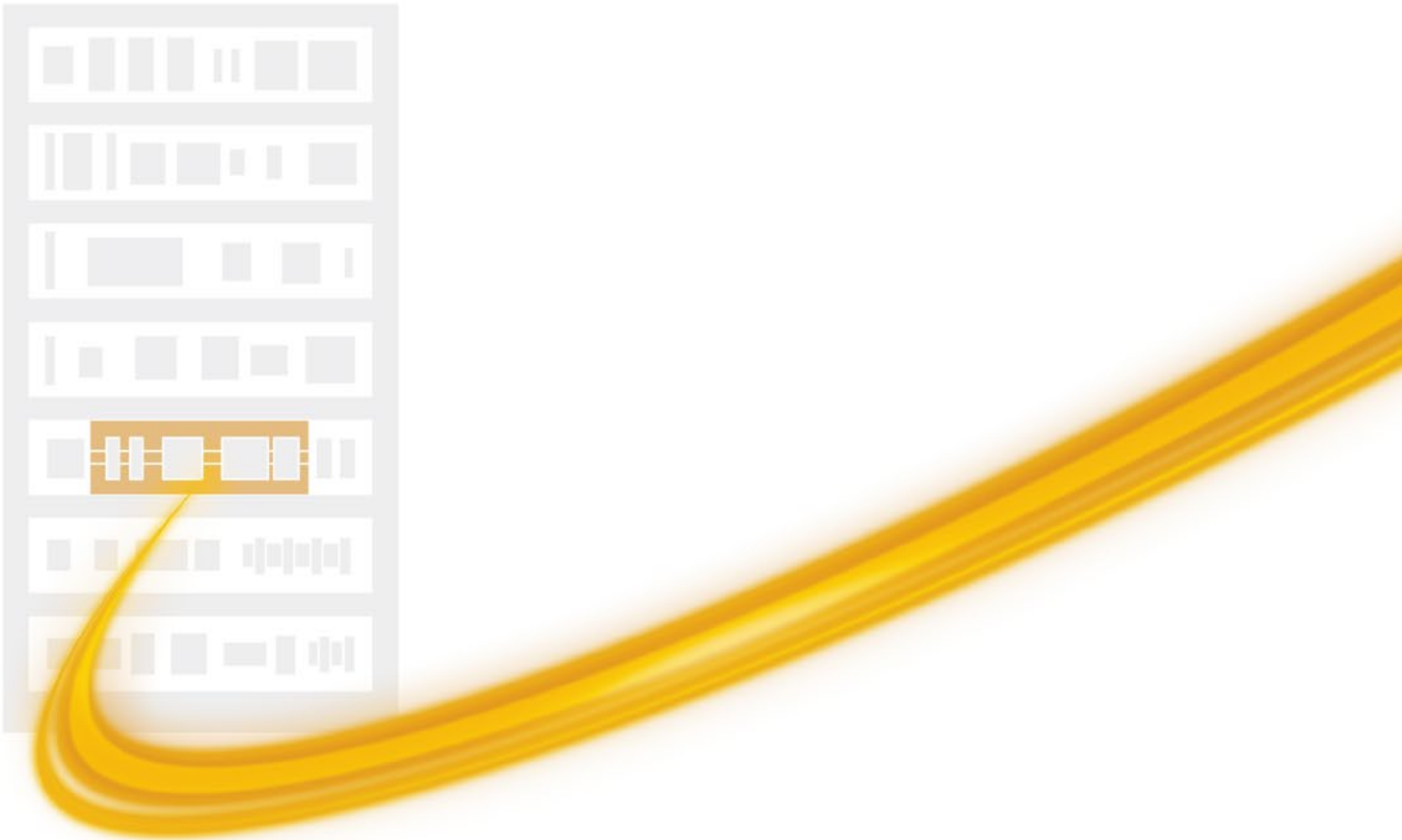
Efficient implementation of testing and measurement switchgear

Safe and thorough with Klippon® Connect

In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.

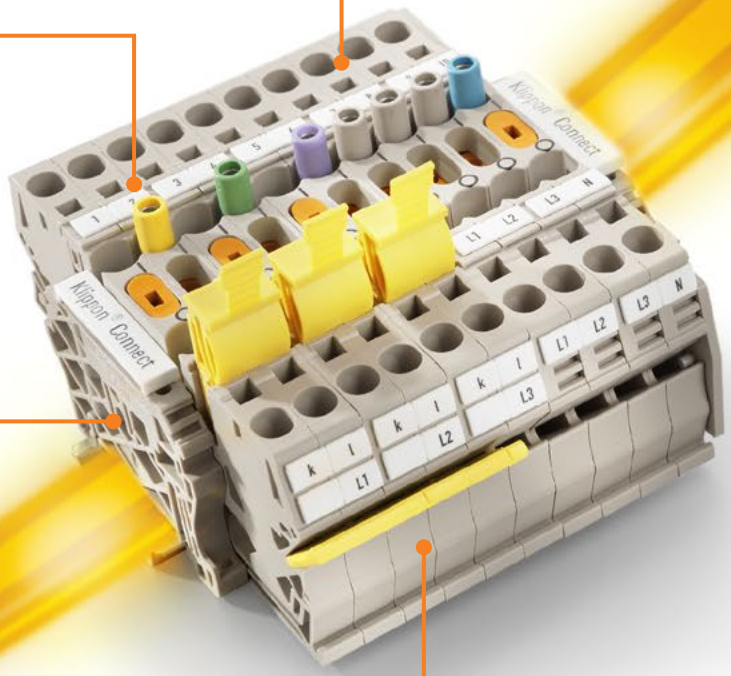
Our promise

The sophisticated features and proven connection technologies means Klippon® Connect solves testing and measurement issues more safely and efficient. Our extensive portfolio provides flexibility and productivity at all stages of the process.



Safety
- Highest possible protection of measuring instruments against destruction by avoiding incorrect wiring
- Safe protection of connected power converters thanks to integrated short-circuit contact
- Simple, safe operation thanks to clear identification of switch status
- Lockout to secure the relevant switching status

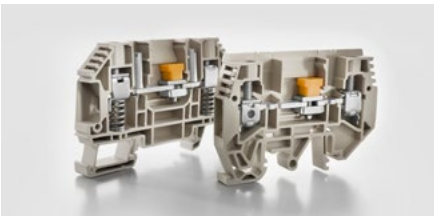
Space saving
- Modular setup of transformer switching thanks to test-disconnect terminal blocks
- Design of a simple current transformer test circuit with just two terminal blocks



Time saving
- Extensive range of accessories consisting of test adapters, cross-connections and markers
- PUSH IN technology for quick, safe wiring

Flexibility
- Reliable implementation of all standard transformer switching applications
- Specially developed for all conceivable requirements

Our range

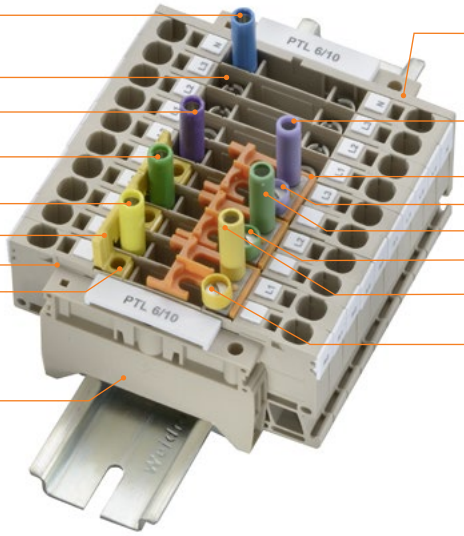


Simple operation to prevent errors:
With our test-disconnect terminal blocks, based on tested Weidmüller screw connection technology, connecting challenges can be resolved clearly and cost-effectively. The screws connecting the conductors are only accessible after the current transformer has been short-circuited using the short-circuit slider. This ensures safety as it prevents accidental short-circuiting or opening of the converter circuit.

Screwless and simple:
Our test-disconnect terminal blocks with PUSH IN and tension clamp technology are the ideal solution to establishing switching circuits for measurement tasks. The simple operating system with a spring connection and the clear identification of the switch status guarantee safe short-circuiting and disconnecting at all times.

Instrument transformer wiring
PUSH IN connection

Test-disconnect terminal blocks PTL / PTD



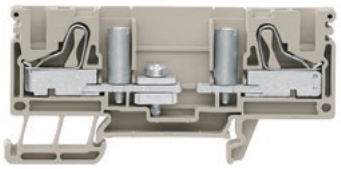
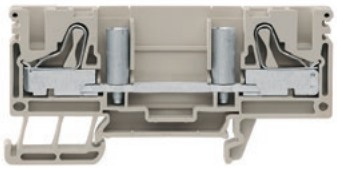
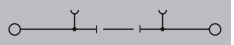
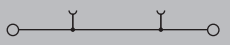
STB 35 IH/SW

VH 19

PAP PTL

Ordering data

Pos.	Type	Order No.	Qty.
1	AEB 35 SC/1	**1991920000**	2
2	PTL 6/10/STB	**1084780000**	10
3	STB 36.8/IH/GE WTL6/1	**1847760000**	1
4	STB 36.8/IH/GN WTL6/1	**1847770000**	1
5	STB 36.8/IH/VI WTL6/1	**1847780000**	1
6	STB 36.8/IH/BL WTL6/1	**1847790000**	1
7	BS 25 IH/GE SAKT1	**0335700000**	1
8	BS 25 IH/GN SAKT1	**0335600000**	1
9	BS 25 IH/VI SAKT1	**0335800000**	1
10	STB 21.6/45 GE	**1936240000**	1
11	STB 21.6/45 GN	**1936250000**	1
12	STB 21.6/45 VI	**1936260000**	1
13	STB 14/D6/4/M3 SAK10	**0169900000**	7
14	QVS 2 SAKT1+2	**0307300000**	3
15	WQV 6/6	**1062670000**	1
16	GWHUE M3 WTL6	**1255010000**	3
17	PAP PTL/PSI 6/10	**1165320000**	1

	PTL 6/10	6 mm²	PTD 6/10	6 mm²
	PUSH IN		PUSH IN	
				
Width/Height/Depth mm	8.1 x 82 x 39.6		8.1 x 82 x 39.6	
max. current / max. cond. cross-section -/mm²	/ 10		/ 10	
Max. clamping range mm²	1.5...10		1.5...10	

Technical data

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	800	600		
Rated current A	57	45		
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals	CE cULus EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	1.5...6			
Flexible / Flexible with ferrule mm²	1.5...10 / 1.5...10			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	14 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage of feed-through terminal V	800	600		
Rated current A	57	45		
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals	CE cULus EAC			
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	1.5...6			
Flexible / Flexible with ferrule mm²	1.5...10 / 1.5...10			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	14 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	PTL 6/10/STB	50	1084780000
Note			

Version	Type	Qty.	Order No.
dark beige	PTD 6/10/STB	50	1084790000
Note			

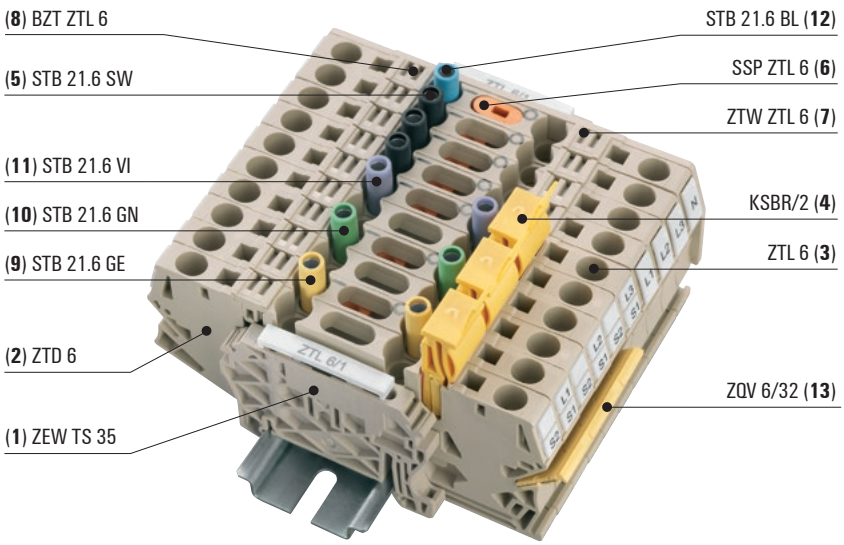
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	1052360000
3-pole	WQV 6/3	57 A	50	1054760000
4-pole	WQV 6/4	57 A	50	1054860000
10-pole	WQV 6/10	57 A	20	1052260000
End plate / Partition plate				
dark beige	PAP PTL/PSI 6/10		20	1165320000
black	PAP PTL/PSI 6/10 SW		20	1165330000
End bracket				
dark beige	ZEW 35		20	9540000000
Threaded bushing				
Standard	GWHUE M3 WTL6		50	1255010000
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	1936290000
Socket - yellow	STB 21.6/45 GE		50	1936240000
Socket - green	STB 21.6/45 GN		50	1936250000
Socket - magenta	STB 21.6/45 VI		50	1936260000
Socket	STB 14/D6/4/M3 SAK10		500	2012420000
Socket - blue	STB 36.8/IH/BL WTL6/1		50	1847790000
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	1847760000
Socket - green	STB 36.8/IH/GN WTL6/1		50	1847770000
Socket - magenta	STB 36.8/IH/VI WTL6/1		50	1847780000
Socket	STB 36.8/IH/DB WTL6/1		50	1847740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Miscellaneous accessories				
Short-circuit plug, 2-pole	QS 2/8/4	44 A	20	0270960000
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
PAP PTL/PSI 6/10		20	1165320000
PAP PTL/PSI 6/10 SW		20	1165330000
ZEW 35		20	9540000000
GWHUE M3 WTL6		50	1255010000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 21.6/45 VI		50	1936260000
STB 14/D6/4/M3 SAK10		500	2012420000
STB 36.8/IH/BL WTL6/1		50	1847790000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
STB 36.8/IH/VI WTL6/1		50	1847780000
STB 36.8/IH/DB WTL6/1		50	1847740000
SDS 0.5X3.0X80		1	9008320000
QS 2/8/4	44 A	20	0270960000
DEK 5/8 MC NE WS		800	1856740000

For detailed information on other accessories and application in the online catalogue

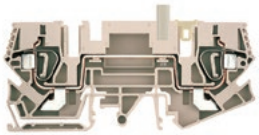
Test-disconnect terminal blocks for measuring with ZTL 6



Pos.	Type	Qty.	Order No.
1	ZEW TS 35 (nur TS 35)	20	**9540000000**
1	EWK1 (nur TS 32)	50	**0206160000**
2	ZTD 6	20	**1771810000**
3	ZTL 6	20	**1771800000**
4	KSBR/2	50	**1771820000**
5	STB 21.6 SW	50	**1071040000**
6	SSP ZTL 6	100	**1771860000**
7	ZTW ZTL 6	20	**1771870000**
8	BZT ZTL 6	20	**1781140000**
Optionally available for better labelling (instead of 11 x Pos. 5):			
Pos.	**Type**	**Qty.**	**Order No.**
9	STB 21.6 GE	50	**1071010000**
10	STB 21.6 GN	50	**1071020000**
11	STB 21.6 VI	50	**1071030000**
12	STB 21.6 BL	50	**1071080000**
13	ZQV 6/32 GE	10	**1733640000**
Optionally available for a shared k-point:			

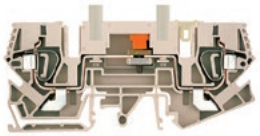
ZTD 6 — 6 mm²

Feed-through terminal



ZTL 6 — 6 mm²

Disconnect test terminal



		ZTD 6	ZTL 6
Width/Height/Depth	mm	8 x 106 x 46.5	8 x 106 x 46.5
max. current / max. cond. cross-section	A/mm²	**52 / 10**	**52 / 10**
Max. clamping range	mm²	**0.5...10**	**0.5...10**

Technical data

		ZTD 6	ZTL 6
Rated data			
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Twin wire-end ferrule	-		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7
800	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
	8 kV / 3		
	A5 / V-0		

Rated connection
0.5...10 / 1.5...6
0.5...6 / 0.5...6
13 / 0.8 x 4.0 mm

IEC	UL	CSA	EN 60079-7
400	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
	8 kV / 3		
	A5 / V-0		

Rated connection
0.5...10 / 1.5...6
0.5...6 / 0.5...6
13 / 0.8 x 4.0 mm

Note	ZTD 6	ZTL 6
	400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnection element with screw = 0.5 - 0.6 Nm	400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnection element with screw = 0.5 - 0.6 Nm

Ordering data

Version	**Type**	**Qty.**	**Order No.**
without socket	ZTD 6	20	**1771810000**
with socket	ZTD 6/STB	20	**1771960000**

Version	**Type**	**Qty.**	**Order No.**
without socket	ZTL 6	20	**1771800000**
with socket	ZTL 6/STB	20	**1771950000**

Accessories

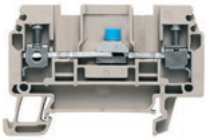
Pluggable cross-connection	**Type**	**current**	**Qty.**	**Order No.**
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
3-pole	ZQV 6/3 GE	41 A	60	**1627860000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate	ZTW ZTL6		20	**1771870000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Socket - yellow	STB 21.6/IH/GE WTL6/3		50	**1071010000**
Socket - green	STB 21.6/IH/GN WTL6/3		50	**1071020000**
Socket - magenta	STB 21.6/IH/VI WTL6/3		50	**1071030000**
Socket - blue	STB 21.6/IH/BL WTL6/3		50	**1071080000**
Miscellaneous accessories				
Lockout device				
Short-circuit plug, 2-pole	KSBR/2 ZTL6	41 A	20	**1771820000**
Short-circuit plug, 3-pole	KSBR/3 ZTL6	41 A	20	**1771830000**
Short-circuit plug, 4-pole	KSBR/4 ZTL6	41 A	20	**1771840000**
Marker holder				
	BZT ZTL6		20	**1781140000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

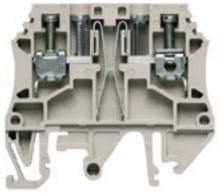
Pluggable cross-connection	**Type**	**current**	**Qty.**	**Order No.**
2-pole	ZQV 6/2 GE	41 A	60	**1627850000**
3-pole	ZQV 6/3 GE	41 A	60	**1627860000**
4-pole	ZQV 6/4 GE	41 A	60	**1627870000**
End plate / Partition plate				
End plate	ZTW ZTL6		20	**1771870000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Socket - yellow	STB 21.6/IH/GE WTL6/3		50	**1071010000**
Socket - green	STB 21.6/IH/GN WTL6/3		50	**1071020000**
Socket - magenta	STB 21.6/IH/VI WTL6/3		50	**1071030000**
Socket - blue	STB 21.6/IH/BL WTL6/3		50	**1071080000**
Miscellaneous accessories				
Lockout device	SSP ZTL6		100	**1771860000**
Short-circuit plug, 2-pole	KSBR/2 ZTL6	41 A	20	**1771820000**
Short-circuit plug, 3-pole	KSBR/3 ZTL6	41 A	20	**1771830000**
Short-circuit plug, 4-pole	KSBR/4 ZTL6	41 A	20	**1771840000**
Marker holder				
	BZT ZTL6		20	**1781140000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue	ZTD 6	ZTL 6
	Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).	Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

Instrument transformer wiring
Screw connection

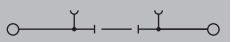
	WTL 4	4 mm²	WTL 4/2	4 mm²
			Enforced short-circuit function	





Width/Height/Depth	mm	6.1 x 61.3 x 39.9
max. current / max. cond. cross-section	A	**41 / 6**
Max. clamping range	mm²	**0.13...6**

		6 x 56.5 x 48.5
		11 / 6
		0.13...6



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	32	28	28	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE CSA EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...6 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Tightening torque (clamping screw for copper conductors)	-	0.4...0.7 Nm / (M 2.5)			
Tightening torque (separating screw)	-	0.5...0.7 Nm			
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		Use as a disconnect terminal with 500 V.			

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	150	
Rated current	A	10	8	8	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Approvals		CSA cULus EAC			
		Rated connection			
		0.5...6 / 1.5...6			
		0.5...6 / 0.5...4			
		0.5...0.8 Nm / (M 3)			
		10 / 0.6 x 3.5 mm			
Note		2 wires can be connected; similar to the WDU 4N.			

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 4	50	**1754960000**
with socket	WTL 4/STB	50	**1754970000**
Note			

Type	Qty.	Order No.
WTL 4/2 STB	50	**1881650000**

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 4/2	32 A	50	**1051960000**
3-pole	WQV 4/3	32 A	50	**1054560000**
4-pole	WQV 4/4	32 A	50	**1054660000**
10-pole	WQV 4/10	41 A	20	**1052060000**
End plate / Partition plate				
dark beige	ZAP/TW 1		50	**1608740000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cross-connection slider				
2-pole	QVS 2/4 SAKT4	32 A	20	**1319260000**
Mounting screw for QVS	BFSC M3X22 SAKT4		50	**1319900000**
Testing / Checking				
Test plug	PS 2.3 RT		20	**0180400000**
Socket	STB 8.5/5/2.3/M3 SAK2.5		50	**0280600000**
Standard				
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**

Type	current	Qty.	Order No.
WAP WTL4/2		50	**1881640000**
WEW 35/2		100	**1061200000**
WTA 8 TN		25	**1915450000**
WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

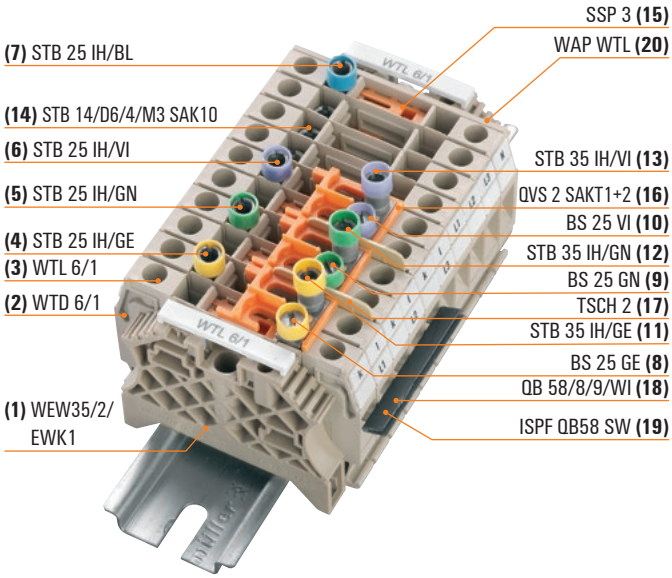
WTA 8-series test adapter, WQV external cross-connector, end bracket and shield bus LS 2.8, refer to "Accessories".

VA

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/1, WTD 6/1, WTQ 6/1



STB 35 IH/SW

(21) VH 19

WAP WTL

Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2/EWK1	**1061200000**	2
2	WTD 6/1	**1017100000**	3
3	WTL 6/1	**1016700000**	7
4	STB 25 IH/GE	**0267200000**	1
5	STB 25 IH/GN	**0271200000**	1
6	STB 25 IH/VI	**0271300000**	1
7	STB 25 IH/BL	**0343400000**	1
8	BS 25 GE	**0335700000**	1
9	BS 25 GN	**0335600000**	1
10	BS 25 VI	**0335800000**	1
11	STB 35 IH/GE	**0389000000**	2
12	STB 35 IH/GN	**0388900000**	2
13	STB 35 IH/VI	**0389100000**	2
14	STB 14/D6/4/M3 SAK10	**0169900000**	2
15	SSP 3	**0531760000**	7
16	QVS 2 SAKT1+2	**0307300000**	1
17	TSCH 2	**0353660000**	1
18	QB 58/8/9/WI	**0545300000**	1
19	ISPF QB58 SW	**0546000000**	1
20	WAP WTL	**1068300000**	1
21	VH 19	**0318000000**	9

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
18	QB 58*angled	**0545300000**	**0545300000**	1
19	ISPFQB58SW*	**0546000000**	**0546000000**	1

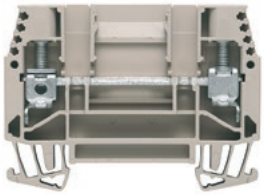
* Shorten to 5 poles

WTL 6/1 — 6 mm²

Longitudinal - disconnector

WTD 6/1 — 6 mm²

Feed-through



		WTL 6/1	WTD 6/1
Width/Height/Depth	mm	7.9 x 65 x 47.5	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**	**57 / 10**
Max. clamping range	mm²	**0.5...10**	**0.5...10**

Technical data

Rated data		WTL 6/1	WTD 6/1
Rated voltage	V	630 (IEC) / 300 (UL) / 300 (CSA)	630 (IEC) / 300 (UL) / 300 (CSA)
Rated current	A	41 (IEC) / 45 (UL) / 45 (CSA)	41 (IEC) / 45 (UL) / 50 (CSA)
for wire cross-section	mm²	6 (IEC) / AWG 20...8 (UL) / AWG 20...8 (CSA)	6 (IEC) / AWG 20...8 (UL) / AWG 20...8 (CSA)
Rated impulse withstand voltage / Pollution severity		6 kV / 3 (EN 60079-7)	6 kV / 3 (EN 60079-7)
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0	A5 / V-0
Approvals		CE, CSA, EAC, UL	CE, CSA, EAC, UL
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...10 / 1.5...10	0.5...10 / 1.5...10
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors)	-	1...1.6 Nm / (M 3.5)	1...1.6 Nm / (M 3.5)
Tightening torque (separating screw)	-	0.5...0.7 Nm	
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm	12 / 0.8 x 4.0 mm
Note		Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.	Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	WTL 6/1 Type	Qty.	Order No.	WTD 6/1 Type	Qty.	Order No.
without socket	WTL 6/1	50	**1016700000**	WTD 6/1	50	**1017100000**
with socket	WTL 6/1/STB	50	**1016900000**			
Note	TS32 version on request			TS32 version on request		

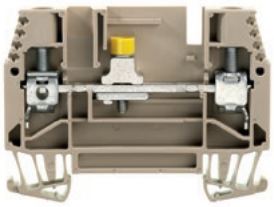
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**	WQV 6/10	57 A	20	**1052260000**
Connecting sleeve								
Mounting screw								
End plate / Partition plate								
dark beige	WAP WTL6/1		20	**1068300000**	WAP WTL6/1		20	**1068300000**
dark beige	WTW WTL6/1 DB		20	**1068400000**	WTW WTL6/1 DB		20	**1068400000**
Cross-connection slider								
2-pole	QVS 2 SAKT1+2	41 A	20	**0307300000**	QVS 2 SAKT1+2	41 A	20	**0307300000**
3-pole	QVS 3 SAKT1+2	41 A	20	**0329300000**	QVS 3 SAKT1+2	41 A	20	**0329300000**
Connecting sleeve for QVS	VH 19/6/4.2 SAKT1		50	**0318000000**	VH 19/6/4.2 SAKT1		50	**0318000000**
4-pole								
Testing / Checking								
Socket - blue	STB 35 IH/BL		50	**0388700000**	STB 35 IH/BL		50	**0388700000**
Socket - green	STB 35 IH/GN		50	**0388900000**	STB 35 IH/GN		50	**0388900000**
Socket - yellow	STB 35 IH/GE		50	**0389000000**	STB 35 IH/GE		50	**0389000000**
Socket - magenta	STB 35 IH/VI		50	**0389100000**	STB 35 IH/VI		50	**0389100000**
Test plug								
Identification systems								
	DEK 5/8 MC NE WS		800	**1856740000**	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**
Miscellaneous accessories								
Lockout device								

For detailed information on other accessories and application in the online catalogue

WTQ 6/1 — 6 mm²

Cross-connect/disconnect (isolator)



Width/Height/Depth	mm	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**
Max. clamping range	mm²	**0.5...10**

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	41	45	50	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0		
Approvals		CE GL EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	1...1.6 Nm / (M 3.5)			
Tightening torque (separating screw)	-				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm			

Note	
	Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
without socket	WTQ 6/1	50	**1017900000**
with socket	WTQ 6/1/STB	50	**1018100000**
Note	TS32 version on request		

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
Connecting sleeve	VH 12/4.9/3.3 SAK6N		100	**0249000000**
Mounting screw	KISC M3X20 SAK10 CU5		100	**0377100000**
End plate / Partition plate				
dark beige	WAP WTL6/1		20	**1068300000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
Cross-connection slider				
2-pole	QVS 2 SAKT1+2	41 A	20	**0307300000**
3-pole	QVS 3 SAKT1+2	41 A	20	**0329300000**
Connecting sleeve for QVS	VH 19/6/4.2 SAKT1		50	**0318000000**
4-pole	WKB 1/4		50	**1604320000**
Testing / Checking				
Socket - blue	STB 35 IH/BL		50	**0388700000**
Socket - green	STB 35 IH/GN		50	**0388900000**
Socket - yellow	STB 35 IH/GE		50	**0389000000**
Socket - magenta	STB 35 IH/VI		50	**0389100000**
Test plug	PS 4 F.STB 4		20	**0299600000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/6.5 MC NE WS		540	**1609920000**
Miscellaneous accessories				
Lockout device	SSP 3 SAKT1		100	**0531760000**

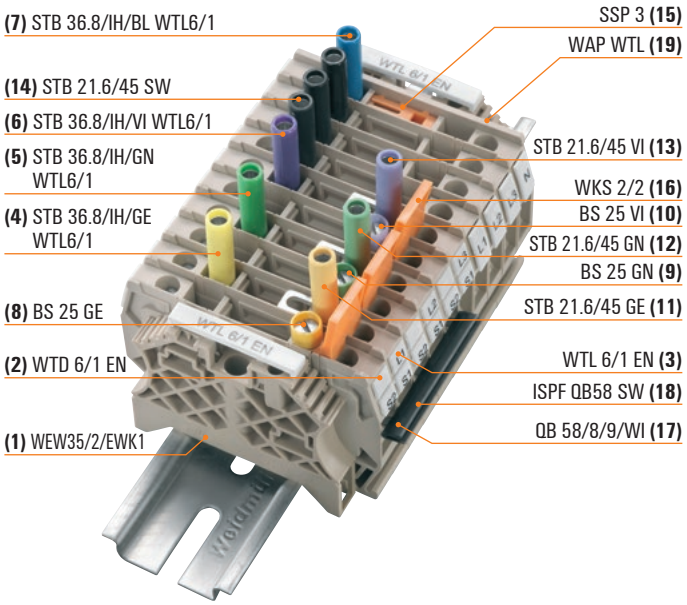
For detailed information on other accessories and application in the online catalogue

VA

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/1 EN, WTD 6/1 EN, WTQ 6/1 EN



STB 21.6/45

(20) VH 16

WAP WTL

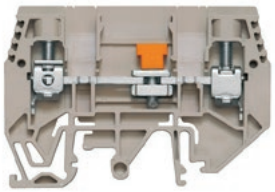
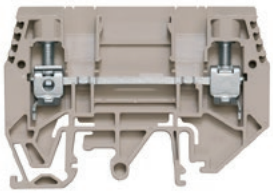
Ordering data

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	**1061200000**	**0206160000**	2
2	WTD 6/1 EN	**1934830000**	**1934830000**	3
3	WTL 6/1 EN	**1934810000**	**1934810000**	7
4	STB 36.8/IH/GE WTL6/1	**1847760000**	**1847760000**	1
5	STB 36.8/IH/GN WTL6/1	**1847770000**	**1847770000**	1
6	STB 36.8/IH/VI WTL6/1	**1847780000**	**1847780000**	1
7	STB 36.8/IH/BL WTL6/1	**1847790000**	**1847790000**	1
8	BS 25 GE	**0335700000**	**0335700000**	1
9	BS 25 GN	**0335600000**	**0335600000**	1
10	BS 25 VI	**0335800000**	**0335800000**	1
11	STB 21.6/45 GE	**1936240000**	**1936240000**	2
12	STB 21.6/45 GN	**1936250000**	**1936250000**	2
13	STB 21.6/45 VI	**1936260000**	**1936260000**	2
14	STB 21.6/45 SW	**1936270000**	**1936270000**	2
15	SSP 3	**0531760000**	**0531760000**	7
16	WKS 2/2	**1936140000**	**1936140000**	3
17	QB 58/8/9/WI	**0545300000**	**0545300000**	1
18	ISPF QB58 SW	**0546000000**	**0546000000**	1
19	WAP WTL	**1957710000**	**1957710000**	1
20	VH 16	**0309700000**	**0309700000**	9

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
17	QB 58*angled	**0545300000**	**0545300000**	1
18	ISPFQB58SW*	**0546000000**	**0546000000**	1

* Shorten to 5 poles

	WTL 6/1 EN	WTD 6/1 EN
	6 mm²	6 mm²
	Longitudinal - disconnector	Feed-through
		
Width/Height/Depth mm	7.9 x 68.5 x 47.5	7.9 x 65 x 47.5
max. current / max. cond. cross-section A	57 / 10	57 / 10
Max. clamping range mm²	0.5...10	0.5...10

Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	630	300	300	
Rated current	A	41	45	45	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0		
Approvals		CE GS EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	1...1.6 Nm / (M 3.5)			
Tightening torque (separating screw)	-	0.5...0.7 Nm			
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm			
Note		Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	630	300	300	
Rated current	A	41	45	45	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0		
Approvals		CE GS EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	0.8...1.6 Nm / (M 3.5)			
Tightening torque (separating screw)	-				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm			
Note		Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 6/1 EN	50	1934810000
with socket	WTL 6/1 EN STB	50	1934820000
Note	TS 32 variants upon request		

Type	Qty.	Order No.
WTD 6/1 EN	50	1934830000
TS 32 version on request		

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	1052360000
3-pole	WQV 6/3	57 A	50	1054760000
4-pole	WQV 6/4	57 A	50	1054860000
10-pole	WQV 6/10	57 A	20	1052260000
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	1957710000
dark beige	WTW WTL6/1 DB		20	1068400000
End bracket				
dark beige	WEW 35/2		100	1061200000
Cross-connection slider				
2-pole	WKS 2/2		50	1936140000
3-pole	WKS 2/3		50	1936150000
4-pole	WKS 2/4		50	1936160000
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	0309700000
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	1936290000
Socket - yellow	STB 21.6/45 GE		50	1936240000
Socket - green	STB 21.6/45 GN		50	1936250000
Socket	STB 14/D6/4/M3 SAK10		500	2012420000
Socket - blue	STB 36.8/IH/BL WTL6/1		50	1847790000
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	1847760000
Socket - green	STB 36.8/IH/GN WTL6/1		50	1847770000
Miscellaneous accessories				
Lockout device				
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000
	WS 12/8 PLUS MC NE WS		420	1906000000

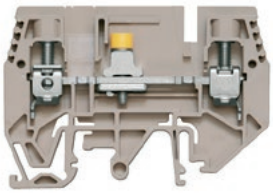
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	1052360000
3-pole	WQV 6/3	57 A	50	1054760000
4-pole	WQV 6/4	57 A	50	1054860000
10-pole	WQV 6/10	57 A	20	1052260000
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	1957710000
dark beige	WTW WTL6/1 DB		20	1068400000
End bracket				
dark beige	WEW 35/2		100	1061200000
Cross-connection slider				
2-pole	WKS 2/2		50	1936140000
3-pole	WKS 2/3		50	1936150000
4-pole	WKS 2/4		50	1936160000
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	0309700000
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	1936290000
Socket - yellow	STB 21.6/45 GE		50	1936240000
Socket - green	STB 21.6/45 GN		50	1936250000
Socket	STB 14/D6/4/M3 SAK10		500	2012420000
Socket - blue	STB 36.8/IH/BL WTL6/1		50	1847790000
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	1847760000
Socket - green	STB 36.8/IH/GN WTL6/1		50	1847770000
Miscellaneous accessories				
Lockout device				
Identification systems				
	DEK 5/8 MC NE WS		800	1856740000
	WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

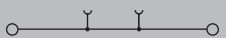
Instrument transformer wiring
Screw connection

WTQ 6/1 EN — 6 mm²

Cross-connect/disconnect (isolator)



Width/Height/Depth	mm	7.9 x 65 x 47.5
max. current / max. cond. cross-section	A	**57 / 10**
Max. clamping range	mm²	**0.5...10**



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	500	300	300	
Rated current	A	41	45	45	
for wire cross-section	mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0		
Approvals		CE GL EAC UL			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule	mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors)	-	/ (M 3.5)			
Tightening torque (separating screw)	-				
Stripping length / Blade size	mm/-	12 / 0.8 x 4.0 mm			
Note		Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Ordering data

Version	Type	Qty.	Order No.
without socket	WTQ 6/1 EN	50	**1934790000**
with socket	WTQ 6/1 EN STB	50	**1934800000**
Note	TS 32 version on request		

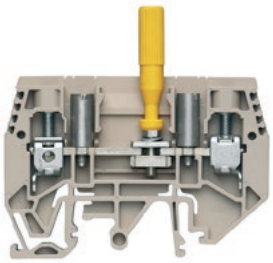
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	**1957710000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cross-connection slider				
2-pole	WKS 2/2		50	**1936140000**
3-pole	WKS 2/3		50	**1936150000**
4-pole	WKS 2/4		50	**1936160000**
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	**0309700000**
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	**1936290000**
Socket - yellow	STB 21.6/45 GE		50	**1936240000**
Socket - green	STB 21.6/45 GN		50	**1936250000**
Socket	STB 14/D6/4/M3 SAK10		500	**2012420000**
Socket - blue	STB 36.8/IH/BL WTL6/1		50	**1847790000**
Socket - yellow	STB 36.8/IH/GE WTL6/1		50	**1847760000**
Socket - green	STB 36.8/IH/GN WTL6/1		50	**1847770000**
Miscellaneous accessories				
Lockout device				
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

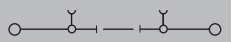
For detailed information on other accessories and application in the online catalogue

WTL 6/1/STB/TNSC/EN — 6 mm²

Longitudinal separator



Width/Height/Depth	7.9 x 65 x 66 mm
max. current / max. cond. cross-section	**57 / 10** A
Max. clamping range	**0.5...10** mm²



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	630			
Rated current A	41			
for wire cross-section mm²	6			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A5 / V-0	
Approvals				

EAC

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...10 / 1.5...
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors) -	1...1.6 Nm / (M 3.5)
Tightening torque (separating screw) -	0.5...0.6 Nm
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm

Note	
	Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 6/1/TNSC/EN	50	**1345280000**
with socket	WTL 6/1/STB/TNSC/EN	50	**1938820000**
Note	TS 32 variants upon request		

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End plate / Partition plate				
dark beige	WAP WTL6/1 EN		20	**1957710000**
dark beige	WTW WTL6/1 DB		20	**1068400000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cross-connection slider				
2-pole	WKS 2/2		50	**1936140000**
3-pole	WKS 2/3		50	**1936150000**
4-pole	WKS 2/4		50	**1936160000**
Connecting sleeve for QVS	VH 16/5/3.5 SAK10-35		50	**0309700000**
Testing / Checking				
Socket - blue	STB 21.6/45 BL		50	**1936290000**
Socket - yellow	STB 21.6/45 GE		50	**1936240000**
Socket - green	STB 21.6/45 GN		50	**1936250000**
Socket	STB 14/D6/4/M3 SAK10		500	**2012420000**
Miscellaneous accessories				
Lockout device				
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue

Accessories for test-disconnect terminals WTL 6/1

Technical data

Rated voltage for neighbouring	rated voltage
QVS	63 V
WQV	bis 400 V
QL	250 V

for neighbouring	rated voltage
STB 25	63 V
STB 30.5	63 V
STB 35	63 V

SSP WTL, **SSP 3** and **SSP 4** prevent unwanted opening or closing of current circuits. They block the disconnecting slider in its particular position. The lockout device is easily pressed into the terminal, but can only be removed again with a tool.

Type	Qty.	Order No.
SSP 3	100	**0531760000**
SSP WTL	100	**1604200000**

To retain the rated voltage, partition plates TW or partition discs TSch have to be used, except with WQV.

QVS 1

Cross-connection slider

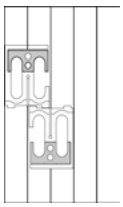
QVS QVS QVSK 2 QVS 2S

Type	No. of poles	Qty.	Order No.
QVS 2	2	20	**0307300000**
QVSK 2	2	20	**1670360000**
QVS 3	3	20	**0329300000**
QVS 4	4	20	**0307400000**
QVS 2S	2	20	**0358460000**

Note:
Not suitable for WTL 6/1 EN.

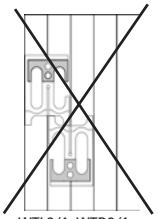
QVS 2 placed opposite each other cannot be switched.

QVSK 2
(167036)



WTL6/1, WTD6/1

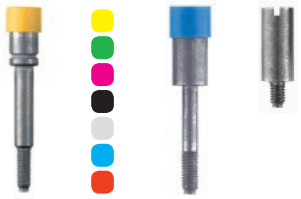
QVS 2
(030730)



WTL6/1, WTD6/1

STB

Cross-connection slider



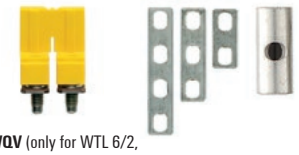
Type	Colour	Qty.	Order No.
STB 14			
STB 14		50	**0169900000**
STB 30,5			
STB 30.5	black	50	**0341000000**
STB 30.5	grey	50	**0341100000**
STB 30.5	blue	50	**0341200000**
STB 30.5	red	50	**0341300000**
STB 30.5	green	50	**0341400000**
STB 30.5	yellow	50	**0341500000**
STB 30.5	violet	50	**0341600000**
STB 35			
STB 35	yellow	50	**0389000000**
STB 35	green	50	**0388900000**
STB 35	violet	50	**0389100000**
STB 35	black	50	**0388500000**
STB 35	grey	50	**0388600000**
STB 35	blue	50	**0388700000**
STB 35	red	50	**0388800000**
Connecting sleeves			
VH19		50	**0318000000**

Accessories for test-disconnect terminals WTL 6/1 EN

BS / VH

Type	Colour	Qty.	Order No.
Fixing screws			
BS 25	yellow	50	**0335700000**
BS 25	green	50	**0335600000**
BS 25	violet	50	**0335800000**
BS 25	grey	50	**0335300000**
BS 25	black	50	**0335200000**
BS 25	blue	50	**0335400000**
BS 25	red	50	**0335500000**
BS 25	blank	50	**0334700000**
STB 25			
STB 21.6/45 BL	blue	50	**1936290000**
STB 21.6/45 DB	d.blue	50	**1938790000**
STB 21.6/45 GE	yellow	50	**1936240000**
STB 21.6/45 GN	green	50	**1936250000**
STB 21.6/45 GR	grey	50	**1936280000**
STB 21.6/45 RT	red	50	**1936300000**
STB 21.6/45 SW	black	50	**1936270000**
STB 21.6/45 VI	violet	50	**1936260000**
Connecting sleeves			
VH 16/5/3.5 SAK10-35 CuZn 39 (brass alloy)		50	**0309700000**
STB 36,8			
STB 36.8/IH/DB WTL6/1		50	**1847740000**
STB 36.8/IH/GE WTL6/1		50	**1847760000**
STB 36.8/IH/GN WTL6/1		50	**1847770000**
STB 36.8/IH/VI WTL6/1		50	**1847780000**
STB 36.8/IH/BL WTL6/1		50	**1847790000**

WQV / QL



WQV (only for WTL 6/2, WTL 6/3)

Type	No. of poles	Qty.	Order No.
WQV			
WQV 6/2	2	50	**1052360000**
WQV 6/3	3	50	**1054760000**
WQV 6/4	4	50	**1054860000**
WQV 6/5	5	50	**1062660000**
WQV 6/7	7	50	**1062680000**
WQV 6/10	10	20	**1052260000**
QL			
QL 2	2	50	**0194300000**
QL 3	3	50	**0194400000**
QL 4	4	50	**0194500000**
QL 10	10	20	**0338300000**
QL 15	15	10	**0221200000**
Connecting sleeves			
VH 12 E-Cu 57 (copper alloy)		100	**0249000000**

WKS / WKB

WKS **WKB**

Type	No. of poles	Qty.	Order No.
WQV			
WKB 1/2	2	50	**1604280000**
WKB 1/3	3	50	**1604300000**
WKB 1/4	4	50	**1604320000**
WKB 1/10	10	20	**1604330000**
WKS			
WKS 1/2	2	50	**1604270000**
WKS 1/3	3	50	**1604290000**
WKS 1/4	4	50	**1604310000**
WKS 2/2	2	50	**1936150000**
WKS 2/3	3	50	**1936140000**

QS 2

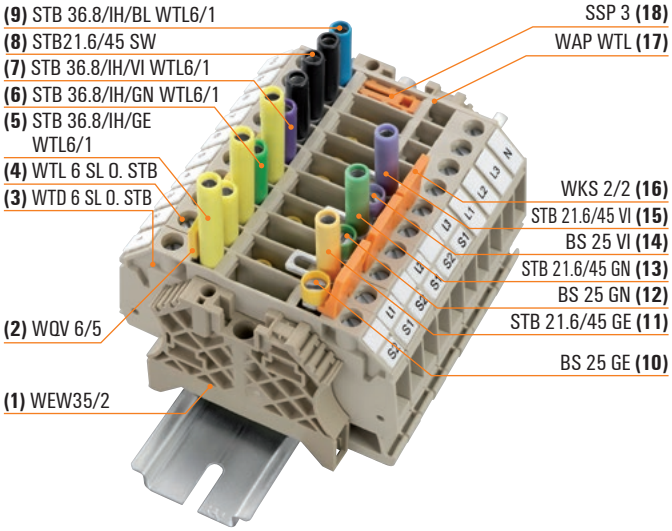
Type	No. of poles	Qty.	Order No.
WQV			
QS 2 x = 8 mm, y = 16 mm	2	20	**0270960000**
QS 2 x = 10 mm, y = 20 mm	2	20	**0270860000**
QS 2 x = 12 mm, y = 20 mm	2	20	**0270760000**

Testing made easy
WTL 6 SL / WTD 6 SL

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers “run hot” and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL test/disconnect terminals and the WTD 6 SL feed-through terminals.

The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.

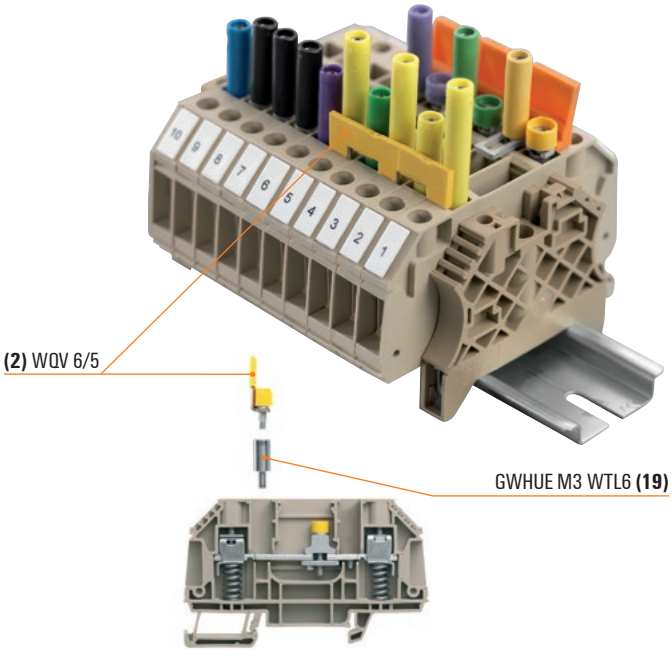


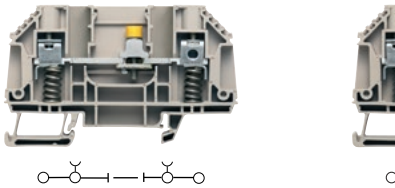
STB 21.6/45 DB

(20) VH 19

WAP WTL6 SL

Example transformer using WTL 6 SL / WTD 6 SL

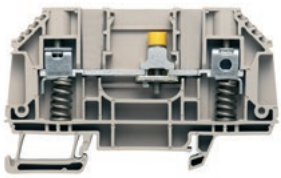
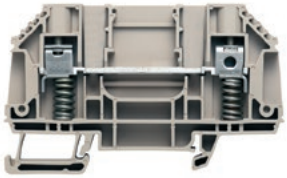
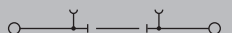



WTL 6 SL o. StB

WTD 6 SL o. StB

Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL O. STB	1238920000	3
4	WTL 6 SL O. STB	1238930000	7
5	STB 36.8/IH/GE WTL6/1	1847760000	4
6	STB 36.8/IH/GN WTL6/1	1847770000	1
7	STB 36.8/IH/VI WTL6/1	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL WTL6/1	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6

	WTL 6 SL	WTD 6 SL
	6 mm²	6 mm²
		Feed-through
		
Width/Height/Depth mm	7.9 x 82.7 x 50	7.9 x 82.7 x 50
max. current / max. cond. cross-section A	**57 / 6** 	**57 / 6**
Max. clamping range mm²	**0.5...6**	**0.5...6**

Technical data

Rated data	WTL 6 SL	WTD 6 SL
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC 630 / UL 600 / CSA 600 / EN 60079-7 630	IEC 630 / UL 600 / CSA 600 / EN 60079-7 630
for wire cross-section mm²	41	41
Rated impulse withstand voltage / Pollution severity	6	6
Gauge to IEC 60947-1 / UL 94 flammability rating	6 kV / 2	6 kV / 2
Approvals	A5 / V-0	A5 / V-0
	EAC	EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 6	0.5...6 6
Flexible / Flexible with ferrule mm²	0.5...6	0.5...6
Tightening torque (clamping screw for copper conductors) -	0.8...1.6 Nm / (M 3.5)	0.8...1.6 Nm / (M 3.5)
Tightening torque (separating screw) -		
Stripping length / Blade size mm/-	16 / 0.8 x 4.0 mm	16 / 0.8 x 4.0 mm
Note	Rated data ESI: 500 V / 24 A.	Rated data ESI: 500 V / 24 A.

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 6 SL O.STB	50	1238930000
with socket	WTL 6 SL	50	1161690000
Note	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Version	Type	Qty.	Order No.
without socket	WTD 6 SL O.STB	50	1238920000
with socket	WTD 6 SL	50	9538090000

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	1052360000
10-pole	WQV 6/10	57 A	20	1052260000
3-pole	WQV 6/3	57 A	50	1054760000
4-pole	WQV 6/4	57 A	50	1054860000
Threaded bushing				
Standard	GWHUE M3 WTL6		50	1255010000
End plate / Partition plate				
Black	WAP WTL6 SL		20	9538110000
dark beige	WAP WTL6 SL 4-6		20	1238880000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		100	1061200000
Hak. Cable lugs				
	HBT 1,5 - 4,6 RT		100	1233340000
	HBT 2,5 - 4,6 BL		100	1233330000
	HBT 6,0 - 4,6 GE		100	1216230000
Identification systems				
	WS 12/6.5 MC NE WS		540	1609920000

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	1052360000
10-pole	WQV 6/10	57 A	20	1052260000
3-pole	WQV 6/3	57 A	50	1054760000
4-pole	WQV 6/4	57 A	50	1054860000
Threaded bushing				
Standard				
End plate / Partition plate				
Black	WAP WTL6 SL		20	9538110000
dark beige	WAP WTL6 SL 4-6		20	1238880000
dark beige	WTW EN		20	1058800000
End bracket				
dark beige	WEW 35/2		100	1061200000
Hak. Cable lugs				
	HBT 1,5 - 4,6 RT		100	1233340000
	HBT 2,5 - 4,6 BL		100	1233330000
	HBT 6,0 - 4,6 GE		100	1216230000
Identification systems				
	WS 12/6.5 MC NE WS		540	1609920000

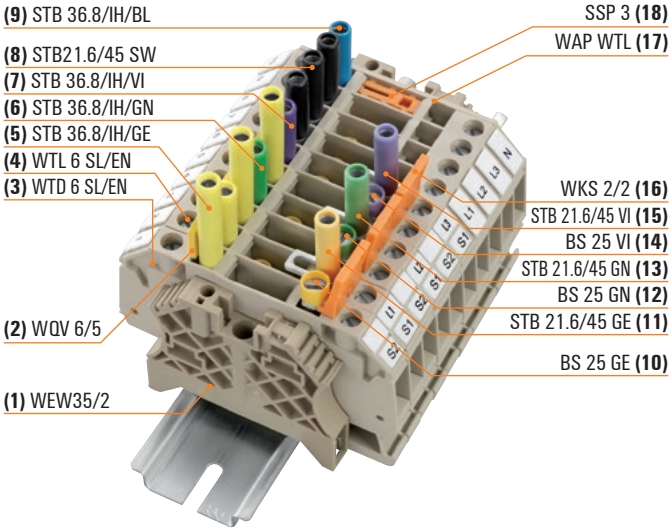
For detailed information on other accessories and application in the online catalogue

Testing made easy
WTL 6 SL EN / WTD 6 SL EN

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers “run hot” and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL EN test/disconnect terminals and the WTD 6 SL EN feed-through terminals.

The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.

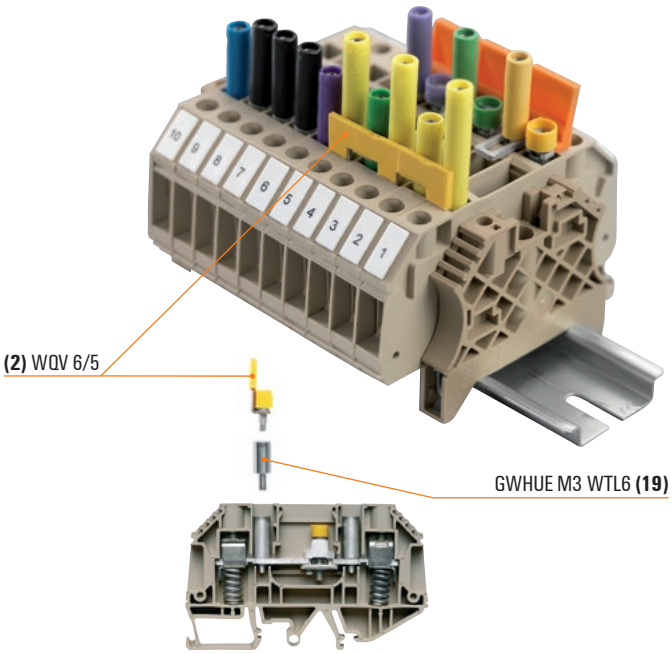


STB 21.6/45 DB

(20) VH 19

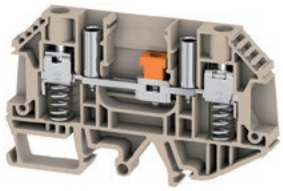
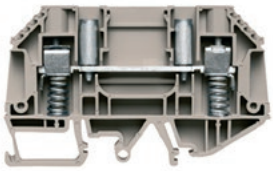
WAP WTL6 SL

Example transformer using WTL 6 SL EN / WTD 6 SL EN



Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL EN	9538100000	3
4	WTL 6 SL EN	9538080000	7
5	STB 36.8/IH/GE	1847760000	4
6	STB 36.8/IH/GN	1847770000	1
7	STB 36.8/IH/VI	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6

	WTL 6 SL/EN	WTD 6 SL/EN
	6 mm²	6 mm²
	Longitudinal - disconnector	Feed-through
		
Width/Height/Depth mm	7.9 x 82.7 x 49.5	7.9 x 82.7 x 49.5
max. current / max. cond. cross-section A	57 / 6	57 / 6
Max. clamping range mm²	0.5...6	0.5...6

Technical data

	WTL 6 SL/EN	WTD 6 SL/EN
Rated data	IEC 60947-7-1	IEC 60947-7-1
Rated voltage V	IEC: 630 / UL: 41 / CSA: 6 / EN 60079-7: 6 kV / 2	IEC: 630 / UL: 41 / CSA: 6 / EN 60079-7: 6 kV / 2
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating	A5 / V-0	A5 / V-0
Approvals	EAC	EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	0.5...6 6	0.5...6 6
Flexible / Flexible with ferrule mm²	0.5...6	0.5...6
Tightening torque (clamping screw for copper conductors) -	0.8...1.6 Nm / (M 3.5)	0.8...1.6 Nm / (M 3.5)
Tightening torque (separating screw) -		
Stripping length / Blade size mm/-	16 / 0.8 x 4.0 mm	16 / 0.8 x 4.0 mm
Note	Rated data ESI: 500 V / 24 A.	Rated data ESI: 500 V / 24 A.

Ordering data

Version	Type	Qty.	Order No.
with socket	WTL 6 SL/EN	50	9538080000
Note	With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		
with socket	WTD 6 SL/EN	50	9538100000

Accessories

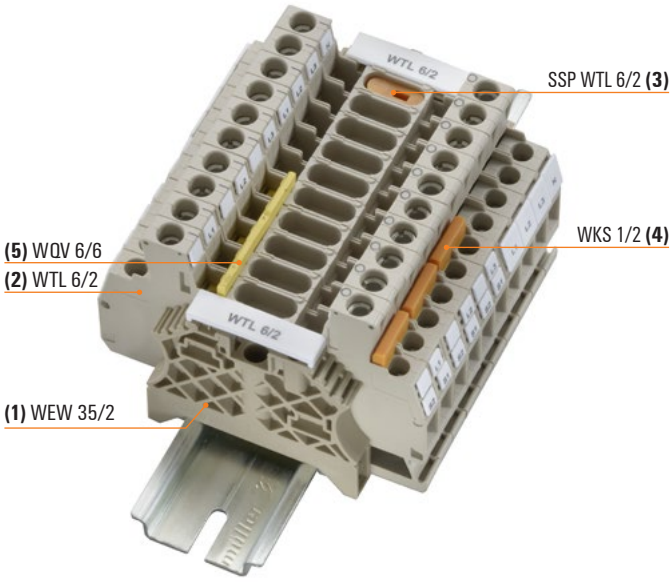
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 6/2	57 A	50	1052360000	WQV 6/2	57 A	50	1052360000
3-pole					WQV 6/3	57 A	50	1054760000
4-pole					WQV 6/4	57 A	50	1054860000
10-pole	WQV 6/10	57 A	20	1052260000	WQV 6/10	57 A	20	1052260000
End plate / Partition plate								
Black	WAP WTL6 SL		20	9538110000	WAP WTL6 SL		20	9538110000
dark beige	WAP WTL6 SL 4-6		20	1238880000	WAP WTL6 SL 4-6		20	1238880000
dark beige	WTW EN		20	1058800000	WTW EN		20	1058800000
End bracket								
dark beige	WEW 35/2		100	1061200000	WEW 35/2		100	1061200000
Hak. Cable lugs								
	HBT 1,5 - 4,6 RT		100	1233340000	HBT 1,5 - 4,6 RT		100	1233340000
	HBT 2,5 - 4,6 BL		100	1233330000	HBT 2,5 - 4,6 BL		100	1233330000
	HBT 6,0 - 4,6 GE		100	1216230000	HBT 6,0 - 4,6 GE		100	1216230000
Identification systems								
	WS 12/6.5 MC NE WS		540	1609920000	WS 12/6.5 MC NE WS		540	1609920000
Threaded bushing								
Standard	GWHUE M3 WTL6		50	1255010000				

For detailed information on other accessories and application in the online catalogue

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/2



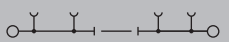
Ordering data

Pos.	Type	Order No.	Qty.
1	WEW 35/2	**1061200000**	2
2	WTL 6/2	**1017700000**	10
3	SSP WTL 6/2	**1604200000**	1
4	WKS 1/2	**1604270000**	3
5	WQV 6/6	**1062670000**	1

WTL 6/2 — 6 mm²

Longitudinal - disconnector

Width/Height/Depth	8 x 87 x 61
max. current / max. cond. cross-section	**57 / 10**
Max. clamping range	**0.5...10**



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	500	300	300	
Rated current A	41	45	45	
for wire cross-section mm²	6	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals	CE, CB, EAC, UL			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...10 / 1.5...10			
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6			
Tightening torque (clamping screw for copper conductors) -	1...1.6 Nm / (M 3.5)			
Tightening torque (separating screw) -	0.5...0.7 Nm			
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm			

Note	
	Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	Type	Qty.	Order No.
with socket	WTL 6/2	50	**1017700000**
Note	TS 32 version on request		

Accessories

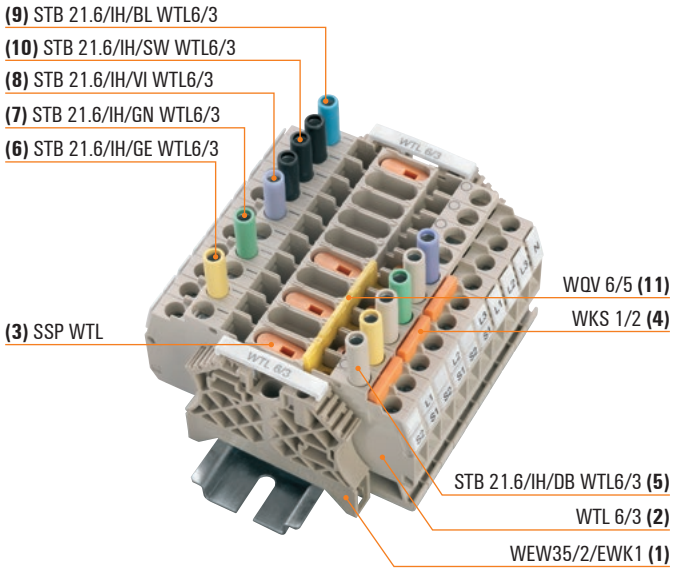
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cross-connection slider				
2-pole	WKS 1/2		50	**1604270000**
3-pole	WKS 1/3		50	**1604290000**
4-pole	WKS 1/4		50	**1604310000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Miscellaneous accessories		current		
Lockout device	SSP WTL6/2		100	**1604200000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

For detailed information on other accessories and application in the online catalogue	For further modular disconnect test terminal accessories, refer to chapter on Accessories.

Instrument transformer wiring
Screw connection

Test-disconnect terminal blocks

WTL 6/3



Ordering data

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTL 6/3	1018800000		10
3	SSP WTL	1604200000	1604200000	4
4	WKS 1/2	1604270000	1604270000	3

Optionally available for better labelling for WTL 6/3 (instead of 14 x pos. 3):

Pos.	Type	Order No.	Order No.	Qty.
5	STB 21.6/IH/DB WTL6/3	1071000000	1071000000	7
6	STB 21.6/IH/GE WTL6/3	1071010000	1071010000	2
7	STB 21.6/IH/GN WTL6/3	1071020000	1071020000	2
8	STB 21.6/IH/VI WTL6/3	1071030000	1071030000	2
9	STB 21.6/IH/BL WTL6/3	1071080000	1071080000	1
10	STB 21.6/IH/SW WTL6/3	1071040000	1071040000	3

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
11	WQV 6/5	1062660000	1062660000	1

WTL 6/3 — 6 mm²

Longitudinal - disconnector

Width/Height/Depth	7.9 x 87 x 64 mm
max. current / max. cond. cross-section	**57 / 10** A
Max. clamping range	**0.5...10** mm²

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500 V	300	300	
Rated current	41 A	45	45	
for wire cross-section	6 mm²	AWG 20...8	AWG 20...8	
Rated impulse withstand voltage / Pollution severity		6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A5 / V-0		
Approvals	CE			

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...10 / 10...10
Flexible / Flexible with ferrule mm²	0.5...10 / 0.5...6
Tightening torque (clamping screw for copper conductors) -	0.8...1.6 Nm / (M 3.5)
Tightening torque (separating screw) -	0.5...0.7 Nm
Stripping length / Blade size mm/-	12 / 0.8 x 4.0 mm

Note

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 6/3	50	**1018800000**
with socket	WTL 6/3/STB	50	**1018600000**

Note

TS 32 version on request

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 6/2	57 A	50	**1052360000**
3-pole	WQV 6/3	57 A	50	**1054760000**
4-pole	WQV 6/4	57 A	50	**1054860000**
10-pole	WQV 6/10	57 A	20	**1052260000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Cross-connection slider				
2-pole	WKS 1/2		50	**1604270000**
3-pole	WKS 1/3		50	**1604290000**
4-pole	WKS 1/4		50	**1604310000**
Testing / Checking				
Test plug	PS 4 F.STB 4		20	**0299600000**
Socket - blue	STB 21.6/IH/BL WTL6/3		50	**1071080000**
Socket - yellow	STB 21.6/IH/GE WTL6/3		50	**1071010000**
Socket - green	STB 21.6/IH/GN WTL6/3		50	**1071020000**
Socket - magenta	STB 21.6/IH/VI WTL6/3		50	**1071030000**
Miscellaneous accessories		current		
Lockout device	SSP WTL6/2		100	**1604200000**
Identification systems				
	DEK 5/8 MC NE WS		800	**1856740000**
	WS 12/8 PLUS MC NE WS		420	**1906000000**

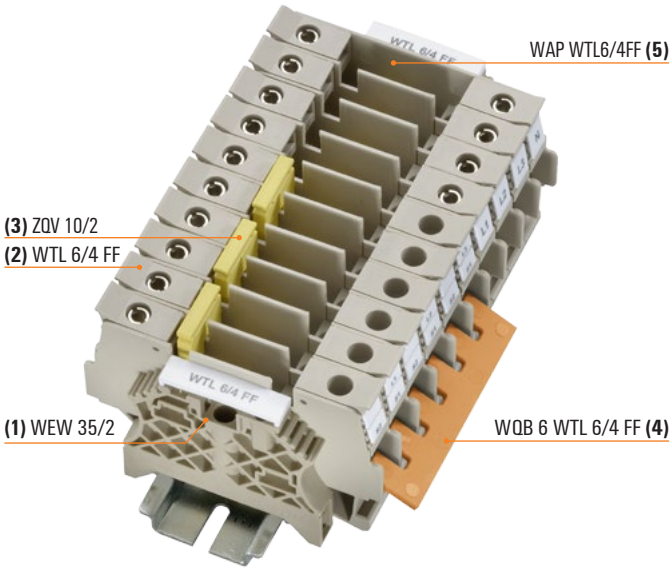
For detailed information on other accessories and application in the online catalogue

For further modular disconnect test terminal accessories, refer to chapter on Accessories.

Instrument transformer wiring
Screw connection

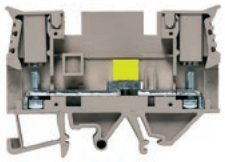
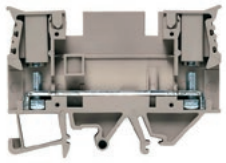
Test-disconnect terminal blocks

WTL 6/4 FF



Ordering data

Pos.	Type	Order No.	Qty.
1	WEW 35/2	**1061200000**	2
2	WTL 6/4 FF	**1887210000**	10
3	ZQV 10/2	**1739680000**	1
4	WQB 6 WTL 6/4 FF	**2551490000**	1
5	WAP WTL6/4 FF	**1887240000**	1

	WTL 6/4 FF	WTD 6/4 FF
	6 mm²	6 mm²
	Longitudinal separator	Feed-through terminal
		
Width/Height/Depth mm	11 x 76.5 x 52	11 x 76.5 x 52
max. current / max. cond. cross-section A	41 / 6	41 / 6
Max. clamping range mm²	0.5...6	1.5...6

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	
Rated current A	41	30	40	
for wire cross-section mm²	6	AWG 26...10		
Tightening torque (clamping screw for copper conductors) -	1.2...2.4 Nm / (M 4)			
Tightening torque (separating screw) -	0.5...1 Nm			
Approvals				
Note	500 V when used as test-disconnect terminal			

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800	600	600	
Rated current A	41	30	40	
for wire cross-section mm²	6	AWG 26...10		
Tightening torque (clamping screw for copper conductors) -	1.2...2.4 Nm / (M 4)			
Tightening torque (separating screw) -				
Approvals				
Note	500 V when used as test-disconnect terminal			

Ordering data

Version	Type	Qty.	Order No.
	WTL 6/4 FF	50	1887210000
Note			

Version	Type	Qty.	Order No.
	WTD 6/4 FF	50	1887220000
Note			

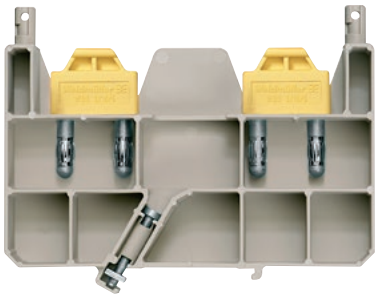
Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 10/2		25	1739680000
End plate / Partition plate				
dark beige	WAP WTL6/4FF		20	1887240000
End bracket				
dark beige	EWK 1		50	0206160000
	EW 35/SCHA/M3		20	0258660000
Connecting sleeve				
	VH 13.5/4.9/3.3 SAK4		100	0248500000
Screwable cross-connection				
2-pole	QL 2 WTL6/4FF		100	1897010000
3-pole	QL 3 WTL6/4FF		100	1897020000
4-pole	QL 4 WTL6/4FF		100	1897030000
10-pole	QL 10 WTL 6/4 FF		100	1897090000
Cross-connection				
	Q 2 WTL6/4FF		100	1897110000
	Q 4 WTL 6/4FF		100	1897130000
	Q 10 WTL 6/4FF		100	1897190000
Cross-connection plug				
2-pole	QS 2/12/4	44 A	20	0270760000
Cable lug				
	LIR 1,5M4 V		100	9200090000
	LIR 2,5M4 V		100	9200170000
	LIR 6M4 V		100	9200230000
Screwdriver				
	SDIS 0.8X4.0X100		1	9008400000
	SDS 0.8X4.0X100		1	9008340000
	SDIZ 0,8X5,5 150/248		1	9008640000
Crimping tool				
	CTI 6		1	9006120000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 M MC NE WS		720	1792000000

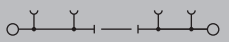
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 10/2		25	1739680000
End plate / Partition plate				
dark beige	WAP WTL6/4FF		20	1887240000
End bracket				
dark beige	EWK 1		50	0206160000
	EW 35/SCHA/M3		20	0258660000
Connecting sleeve				
	VH 13.5/4.9/3.3 SAK4		100	0248500000
Screwable cross-connection				
2-pole	QL 2 WTL6/4FF		100	1897010000
3-pole	QL 3 WTL6/4FF		100	1897020000
4-pole	QL 4 WTL6/4FF		100	1897030000
10-pole	QL 10 WTL 6/4 FF		100	1897090000
Cross-connection				
	Q 2 WTL6/4FF		100	1897110000
	Q 4 WTL 6/4FF		100	1897130000
	Q 10 WTL 6/4FF		100	1897190000
Cross-connection plug				
2-pole	QS 2/12/4	44 A	20	0270760000
Cable lug				
	LIR 1,5M4 V		100	9200090000
	LIR 2,5M4 V		100	9200170000
	LIR 6M4 V		100	9200230000
Screwdriver				
	SDIS 0.8X4.0X100		1	9008400000
	SDS 0.8X4.0X100		1	9008340000
	SDIZ 0,8X5,5 150/248		1	9008640000
Crimping tool				
	CTI 6		1	9006120000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 M MC NE WS		720	1792000000

For detailed information on other accessories and application in the online catalogue	Use for all wire cross-sections with cables lugs, in accordance with DIN 46234.	

WTL 35 — 35 mm²



Width/Height/Depth	16 x 100 x 67.5 mm
max. current / max. cond. cross-section	**125 / 35** A
Max. clamping range	**4...35** mm²



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage	500			
Rated current	125			
for wire cross-section	35			
Rated impulse withstand voltage / Pollution severity			6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B9 / V-0	
Approvals	CE EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	4...16 / 10...35			
Flexible / Flexible with ferrule mm²	4...35 / 4...35			
Tightening torque (clamping screw for copper conductors) -	/ (M 6)			
Tightening torque (separating screw)	1.7...2.4 Nm			
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm			

Note

The tightening torque for 16 - 50 mm² stranded conductors is 4.5 Nm.

Ordering data

Version	Type	Qty.	Order No.
without socket	WTL 35/2STB	10	1925030000
with socket	WTL 35/1STB	10	1925060000
with 2 sockets	WTL 35/1STB/WQV	10	1925050000

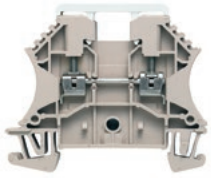
Note

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	WQV 35/2	135 A	50	1053060000
	WQS 2/16/5		10	1925070000
End bracket				
	WEW WTL 35		10	1925040000
Cover				
	ADHB/8 WTL35		25	2334730000
Fastenings				
	BFEL + BEMU WEW WTL 35		20	1964820000
Screwdriver		current		
Standard	SDS 1.2X6.5X150		1	9009010000
Identification systems				
	WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

WDU 2.5/TC — 2.5 mm²



Width/Height/Depth	mm	10.2 x 60 x 50
max. current / max. cond. cross-section	-	/ 2.5
Max. clamping range	mm²	0.13...2.5

Technical data

Rated data		
Rated voltage to adjoining terminal	-	
Rated current	-	
for wire cross-section	mm²	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Tightening torque (clamping screw for copper conductors)	-	
Stripping length / Blade size	mm/-	

			Ex e IIII	
IEC 60584, IEC 60947-7-1			2 G D	
IEC	UL	CSA		EN 60079-7
				55
				8
2.5				2.5 mm²
		/ 3		
		A2 / V-0		
CE EAC				SIRA 02ATEX3153 U
Rated connection				
0.5...2.5 / 1.5...2.5				
0.5...2.5 / 0.5...2.5				
0.4...0.6 Nm / (M 2.5)				
10 / 0.6 x 3.5 mm				

Note

Ordering data

Version	Type	Qty.	Order No.
(NiCr - Ni) type K	WDU 2.5/TC TYP K	50	1024100000
(Cu - CuNi) type T	WDU 2.5/TC TYP T	50	1024200000
(Fe-CuNi) type J	WDU 2.5/TC TYP J	50	1024300000
(Pt 10% - Pt Rh/Pt 13% - Pt Rh) type SR	WDU 2.5/TC TYP SR	50	1024400000
(Pt 10% Rh - Pt 6% Rh) type B	WDU 2.5/TC TYP B	50	1033700000
(NiCr - CuNi) type E	WDU 2.5/TC TYP E	50	1033300000
(NiSil - Nicrosil) type N	WDU 2.5/TC TYP N	50	1041500000

Note

Accessories

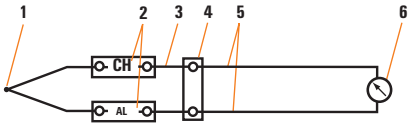
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	WAP 2.5-10		50	1050000000
dark beige	WAP 16+35 WTW 2.5-10		20	1050100000
End bracket				
dark beige	WEW 35/2		100	1061200000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

Configuration of a temperature measuring circuit

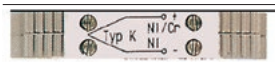
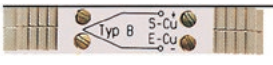
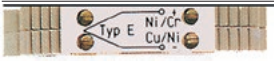


1 Thermocouple (sensor)
2 Thermocouple terminals
3 Compensating conductor
4 Reference junction
5 Supply and return conductors
6 Measuring instrument

The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor.
Thermocouple terminals are required for constructing a temperature measuring circuit.

Technical data

Thermocouples to IEC 584 (DIN 43 710)

	Current bar
	Cromel Alumel
	E-grade copper Constantan
	Iron Constantan
	E-grade copper/ A-grade copper
	S-grade copper/ E-grade copper
	Cromel- Constantan

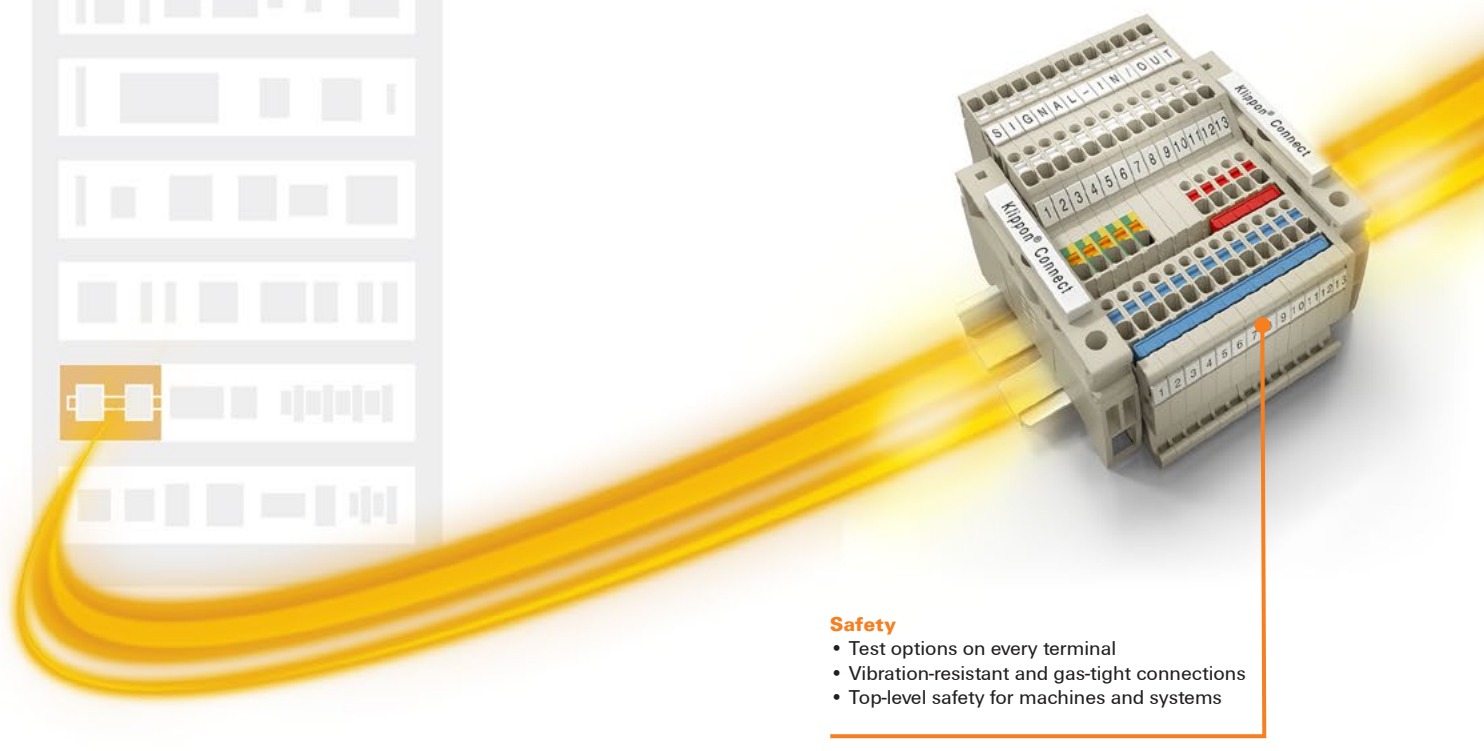
Clear wiring for high-density signalling levels

With Klippon® Connect in the smallest spaces

With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

Our promise

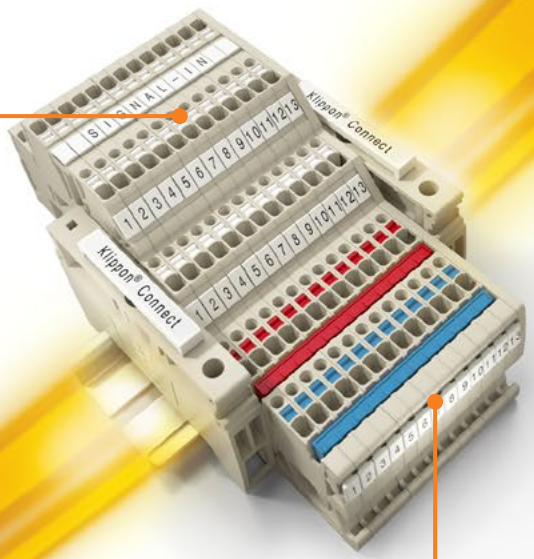
With tailored application products, Klippon® Connect offers all the benefits required for structured wiring of initiator and actuator signals. The simple handling and the maximum flexibility in the choice of design meets the requirements for reliable signal wiring simply, efficiently and safely.



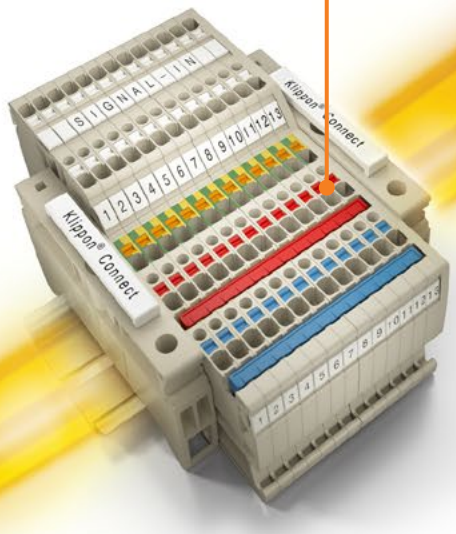
Safety

- Test options on every terminal
- Vibration-resistant and gas-tight connections
- Top-level safety for machines and systems

Space saving
- Up to four different potentials on a terminal just 3.5 mm wide
- Structuring and combining of signals in confined spaces



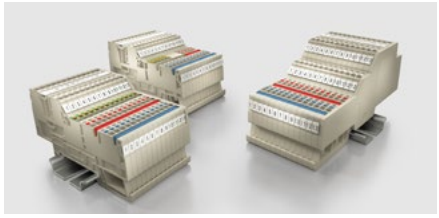
Time saving
- Simple to use thanks to PUSH IN technology
- Convenient plus/minus potential distribution through range of cross connection options
- Simple wiring thanks to colour-coded pushers



Flexibility
- Maximum clarity thanks to wide variety of labelling options
- User and service-friendly thanks to clear design
- A wide assortment of variants in three designs

Our range

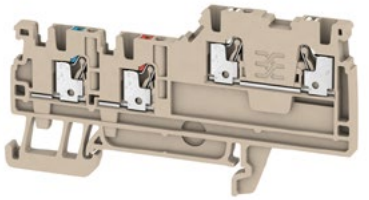
Extreme flexibility in potential distribution:
With our application products, you can achieve effective and safe potential distribution while looping the signals to the I/O system. You can benefit from increased wiring density with more potentials on a single terminal block. This not only saves space, but also reduces the time required to assemble the terminal block.

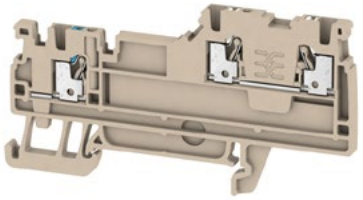


Free choice of design:
Our application products for signal wiring (AIO) are available in three designs. Depending on the design, you can connect 3- or 4-wire sensors or actuators. The large number of variants, e.g. with built-in PE function, allows maximum flexibility when it comes to designing the signal feed.

AIO – sensor-actuator terminal blocks

	AIO21 1.5 SI	AIO21 1.5 SO
	1.5 mm²	1.5 mm²





Width/Height/Depth	3.5 x 80 x 42	3.5 x 80 x 42
max. current / max. cond. cross-section	**13.5 / 1.5**	**13.5 / 1.5**
Max. clamping range	**0.14...1.5**	**0.14...1.5**

Technical data

	AIO21 1.5 SI	AIO21 1.5 SO
Rated data		
Rated voltage	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated current	IEC: 250 / UL: 150 / CSA: – / EN 60079-7: 220	IEC: 250 / UL: 150 / CSA: – / EN 60079-7: 220
for wire cross-section	IEC: 13.5 / UL: 13 / CSA: – / EN 60079-7: –	IEC: 13.5 / UL: 13 / CSA: – / EN 60079-7: –
Rated impulse withstand voltage / Pollution severity	IEC: 1.5 / UL: AWG 26...14 / CSA: – / EN 60079-7: 1.5 mm²	IEC: 1.5 / UL: AWG 26...14 / CSA: – / EN 60079-7: 1.5 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating	4 kV / 3	4 kV / 3
Approvals	A1 / V-0	A1 / V-0
	CE cULus EAC	CE cULus EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded	0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Flexible / Flexible with ferrule	0.5...1.5 / 0.5...1	0.5...1.5 / 0.5...1
Stripping length / Blade size	8 / 0.4 x 2.0 mm	8 / 0.4 x 2.0 mm
Note	Approval in progress	Approval in progress

Ordering data

Version	Type	Qty.	Order No.
	AIO21 1.5 SI	100	1992260000
	AIO21 1.5 SO	100	1992240000

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole/ red	ZQV 1.5N/2 RD	17.5 A	60	1985650000
10-pole / red	ZQV 1.5N/10 RD	17.5 A	20	1985800000
2-pole / blue	ZQV 1.5N/2 BL	17.5 A	60	1985530000
10-pole/ blue	ZQV 1.5N/10 BL	17.5 A	20	1985680000
End plate				
	AEP IO21		50	1993580000
End bracket				
dark beige	AEB 35 SC/1		50	1991920000
dark beige	ZEW 35		20	9540000000
Test adapter				
1-pole	ATPG 1.5-10 L		50	1991890000
stackable	ATPG 1.5 MI-R		50	1991880000
Test plug				
	PS 2.0 MC		20	0310000000
Screwdriver				
Standard	SDS 0.4X2.0X60		1	9037160000
Identification systems				
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000
	WS 10/3.5 PLUS MC NE WS		960	2003760000

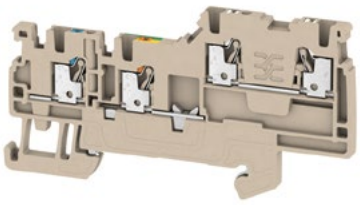
Pluggable cross-connection	Type	current	Qty.	Order No.
	ZQV 1.5N/2 BL	17.5 A	60	1985530000
	ZQV 1.5N/10 BL	17.5 A	20	1985680000
	AEP IO21		50	1993580000
	AEB 35 SC/1		50	1991920000
	ZEW 35		20	9540000000
	ATPG 1.5-10 L		50	1991890000
	ATPG 1.5 MI-R		50	1991880000
	PS 2.0 MC		20	0310000000
	SDS 0.4X2.0X60		1	9037160000
	DEK 5/3.5 MM WS		1000	2007100000
	WS 8/3.5 MM WS		1000	2007140000
	DEK 5/3.5 PLUS MC NE WS		1600	2003750000
	WS 10/3.5 PLUS MC NE WS		960	2003760000

For detailed information on other accessories and application in the online catalogue

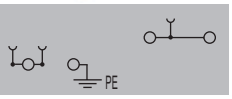
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

AIO21 1.5 SO-PE — 1.5 mm²



3.5 x 80 x 42
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm²
	4 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

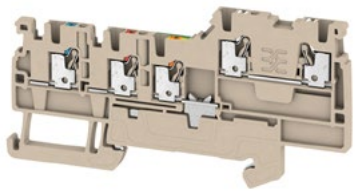
Approval in progress

Type	Qty.	Order No.
AIO21 1.5 SO-PE	100	**1992250000**

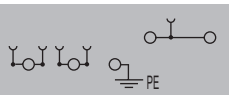
Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO21		50	**1993580000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

AIO22 1.5 SI-PE — 1.5 mm²



3.5 x 89 x 45
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm²
	4 kV / 3		
	A1 / V-0		

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

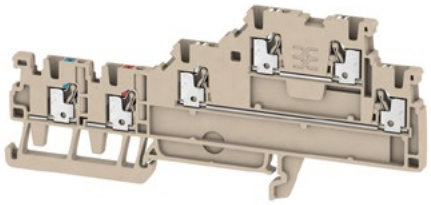
Approval in progress

Type	Qty.	Order No.
AIO22 1.5 SI-PE	100	**1992230000**

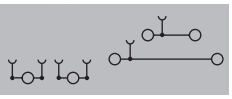
Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO22		50	**1993590000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

AIO23 1.5 2SI — 1.5 mm²



3.5 x 110 x 49.5
13.5 / 1.5
0.14...1.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm²
	4 kV / 3		
	A1 / V-0		

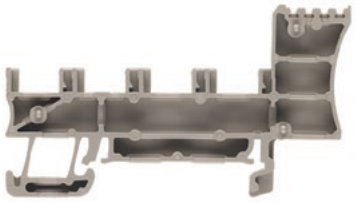
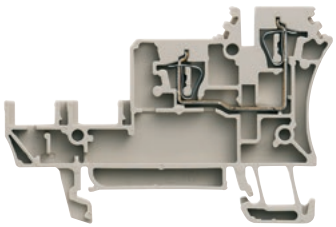
Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AIO23 1.5 2SI	50	**1992220000**

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	**1985650000**
ZQV 1.5N/10 RD	17.5 A	20	**1985800000**
ZQV 1.5N/2 BL	17.5 A	60	**1985530000**
ZQV 1.5N/10 BL	17.5 A	20	**1985680000**
AEP IO23		50	**1993600000**
AEB 35 SC/1		50	**1991920000**
ZEW 35		20	**9540000000**
ATPG 1.5-10 L		50	**1991890000**
ATPG 1.5 MI-R		50	**1991880000**
PS 2.0 MC		20	**0310000000**
SDS 0.4X2.0X60		1	**9037160000**
DEK 5/3.5 MM WS		1000	**2007100000**
WS 8/3.5 MM WS		1000	**2007140000**
DEK 5/3.5 PLUS MC NE WS		1600	**2003750000**
WS 10/3.5 PLUS MC NE WS		960	**2003760000**

All MultiMark variants (MM) = strip markers

	ZPV 1.5	ZIA 1.5/3 L...
	1.5 mm²	1.5 mm²
	Base element	Base element 3-wire
		
Width/Height/Depth mm	5.1 x 67.8 x 38.35	5.08 x 68.5 x 45.5
max. current / max. cond. cross-section -/-		/ 2.5
Max. clamping range -		0.13...2.5

Technical data

	ZPV 1.5	ZIA 1.5/3 L...
Rated data	IEC 60947-7-1	In accordance with IEC 60947-7-1
	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage V	250 / 300	250 / 300 / 300
Max. voltage of clamp support & pluggable system -		
Rated current A	17.5 / 10	17.5 / 10 / 10
for wire cross-section mm²	1.5 / AWG 26...14 / AWG 26...14	1.5 / AWG 26...14 / AWG 26...14
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	/ V-0	A1 / V-0
Approvals		
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded -		0.5...2.5
Flexible / Flexible with ferrule -		0.5...2.5 / 0.5...1.5
Stripping length / Blade size -/-		7 / 0.6 x 3.5 mm
Note		Bi-directional LED in ZIA 1.5/3L-1/LD (1651990000)

Ordering data

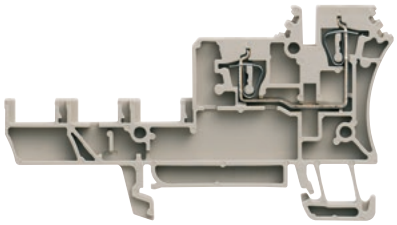
Version	ZPV 1.5	ZIA 1.5/3 L...
	Type / Qty. / Order No.	Type / Qty. / Order No.
Base terminal	ZPV 1.5 / 100 / 1676630000	ZIA 1.5/3L-1S / 100 / 1651980000
Base terminal with LED		ZIA 1.5/3L-1S/LD-RT / 50 / 1651990000
PE base terminal		ZIA 1.5/3L-PE / 20 / 1652000000
Note	ZVL 1.5 0.QV = distribution strip without internal bridge for park position.	ZVL 1.5 0.QV = distribution strip without internal bridge for park position.

Accessories

	ZPV 1.5	ZIA 1.5/3 L...
Pluggable cross-connection	Type / current / Qty. / Order No.	Type / current / Qty. / Order No.
2-pole		ZQV 2.5/2 / 60 / 1608860000
3-pole		ZQV 2.5/3 / 24 A / 60 / 1608870000
4-pole		ZQV 2.5/4 / 24 A / 60 / 1608880000
10-pole		ZQV 2.5/10 / 24 A / 20 / 1608940000
50-pole		ZQV 2.5/50 / 24 A / 10 / 1697540000
Reducing sleeves		
For conductors < 0.5 mm² / AWG 20		ZRH 1.5N/1 / 1000 / 1632140000
For conductors < 1.0 mm² / AWG 18		ZRH 1.5N/2 / 1000 / 1632130000
End plate / Partition plate		
dark beige	ZAP/TW ZPV1.5 / 50 / 1674650000	ZAP/TW ZIA1.5/3L / 50 / 1649540000
With spigot		
Without peg		
Screwdriver		current
Standard	SDIS SL 0.6X3.5X100 / 1 / 1274660000	SDIS SL 0.6X3.5X100 / 1 / 1274660000
Identification systems		
	DEK 5/5 MC NE WS / 1000 / 1609801044	DEK 5/5 MC NE WS / 1000 / 1609801044
	WS 12/5 MC NE WS / 720 / 1609860000	
For detailed information on other accessories and application in the online catalogue	For holding the ZVL 1.5 distribution strip	

ZIA 1.5/4 L... — 1.5 mm²

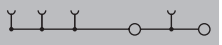
Base element 4-wire



ZVL 1.5 — 1.5 mm²

Distribution strip

Width/Height/Depth	mm	5.08 x 81.5 x 45.5
max. current / max. cond. cross-section	-/mm²	/ 2.5
Max. clamping range	mm²	0.13...2.5



Width/Height/Depth	mm	5.08 x 12.9 x 17.45
max. current / max. cond. cross-section	-/mm²	/ 2.5
Max. clamping range	mm²	0.13...2.5

Technical data

Rated data		In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300	
Max. voltage of clamp support & pluggable system	-				
Rated current	A	17.5	10	10	
for wire cross-section	mm²	1.5	AWG 26...14	AWG 26...14	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A1 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	mm/-	7 / 0.6 x 3.5 mm			
Note		Bi-directional LED in ZIA 1.5/4L-1/LD (1652020000)			

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300	
Max. voltage of clamp support & pluggable system	-				
Rated current	A	17.5	10	10	
for wire cross-section	mm²	1.5	AWG 26...14	AWG 26...14	
Rated impulse withstand voltage / Pollution severity			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A2 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...2.5			
Flexible / Flexible with ferrule	mm²	0.5...2.5 / 0.5...1.5			
Stripping length / Blade size	mm/-	7 / 0.6 x 3.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige			
dark beige			
blue			
green/yellow			
Base terminal	ZIA 1.5/4L-1S	100	1652010000
Base terminal with LED	ZIA 1.5/4L-1S/LD	50	1652020000
PE base terminal	ZIA 1.5/4L-PE	20	1652030000
brown			
Note	ZVL 1.5 0.QV = distribution strip without internal bridge for park position.		

Type	Qty.	Order No.
ZVL 1.5	100	1649300000
ZVL 1.5 0.QV	100	1711930000
ZVL 1.5 BL	100	1650360000
ZVL 1.5/PE GN/GE BED	100	1651970000
ZVL 1.5 BR	100	1650370000
ZVL 1.5 0.QV = distribution strip without internal bridge for park position.		

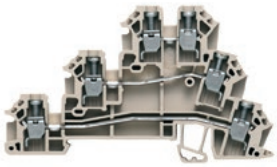
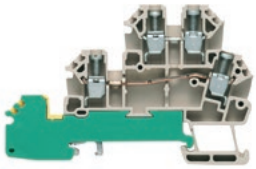
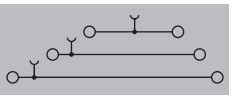
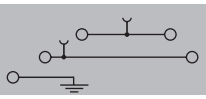
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
50-pole	ZQV 2.5/50	24 A	10	1697540000
Reducing sleeves				
For conductors < 1.0 mm² / AWG 18	ZRH 1.5N/2		1000	1632130000
For conductors < 0.5 mm² / AWG 20	ZRH 1.5N/1		1000	1632140000
End plate / Partition plate				
dark beige	ZAP/TW ZIA1.5/4L		50	1649550000
Without peg				
With spigot				
Screwdriver		current		
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044

Pluggable cross-connection	Type	current	Qty.	Order No.
	ZRH 1.5N/2		1000	1632130000
	ZRH 1.5N/1		1000	1632140000
	BZT ZVL1.5/0.ZA		100	1676620000
	BZT ZVL1.5		100	1676610000
		current		
	SDIS SL 0.6X3.5X100		1	1274660000
	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Integrated cross-connectors.
Distribution strip for base element ZPV 1.5 Order no. 1676630000

	DLD 2.5	DLD 2.5 PE
	2.5 mm²	2.5 mm²
	Voltage supply	Lower level earthed
		
Width/Height/Depth mm	6.2 x 82.5 x 48.5	6.1 x 74.5 x 48.5
max. current / max. cond. cross-section A/mm²	24 / 4	17.5 / 4
Max. clamping range mm²	0.13...4	0.13...4
		

Technical data

	DLD 2.5	DLD 2.5 PE
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC 250 / UL 300 / CSA 300 / EN 60079-7	IEC 250 / UL 300 / CSA / EN 60079-7
for wire cross-section mm²	IEC 24 / UL 10 / CSA 10	IEC 17.5 / UL 10 / CSA 10
Rated impulse withstand voltage / Pollution severity	IEC 2.5 / UL AWG 26...12 / CSA AWG 26...12	IEC 2.5 / UL AWG 26...12 / CSA AWG 26...12
Gauge to IEC 60947-1 / UL 94 flammability rating	4 kV / 3	4 kV / 3
Approvals	A3 / V-0	A3 / V-0
	CE SP EAC UL	CE SP EAC UL
Electronic fixtures		
Component voltage / Component current -/-		
Operating voltage for display, max. / Current -/-		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors) -	0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
Stripping length / Blade size mm/-	7 / 0.6 x 3.5 mm	7 / 0.6 x 3.5 mm
Note	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

Ordering data

Version	Type	Qty.	Order No.
dark beige	DLD 2.5 DB	50	1784180000
dark beige (red LED)			
dark beige (green LED)			
Note	Variant in blue, Order no. 6269250000 (qty. 50)		

Type	Qty.	Order No.
DLD 2.5/PE DB	50	1783790000

Accessories

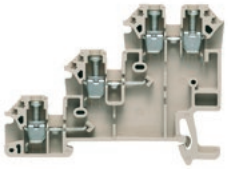
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	Q 2 DLI	20 A	50	1312500000
3-pole	Q 3 DLI	20 A	50	1312600000
4-pole	Q 4 DLI	20 A	50	1312700000
10-pole	Q 10 DLI	20 A	20	1313100000
End plate / Partition plate				
dark beige	AP DLI2.5 DB		20	1783550000
End bracket				
dark beige	EW 35		50	0383560000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Small partition				
Small partition	TSCH 1		100	0319160000
Identification systems				
	DEK 5/6 MC NE WS		1000	1609820000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

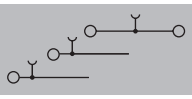
For detailed information on other accessories and application in the online catalogue	TEAP DLD2.5 DB partial end plate, Order no. 1784220000 (20 pcs.)	TEAP DLD2.5/PE DB partial end plate, Order no. 1783810000 (20 pcs.)

DLI 2.5 — 2.5 mm²

Initiator connection (signal,+,-)



6.1 x 66 x 48.5
32 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

CE CSA EAC UL

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped.

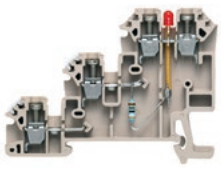
Type	Qty.	Order No.
DLI 2.5 DB	100	1783820000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

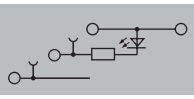
StB 8.5 socket in upper busbar (together with PS 2.3 test plug)

DLI 2.5 LD PNP — 2.5 mm²

Initiator connection with LED



6.1 x 66 x 48.5
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

CSA EAC UL

30 / 5

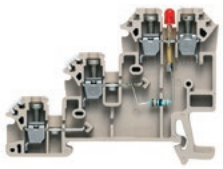
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/PNP +- DB	100	1783980000
DLI 2.5/LD-GN/PNP +- DB	100	1783970000

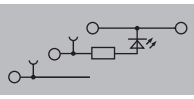
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

DLI 2.5 LD NPN — 2.5 mm²

Initiator connection with LED



6.1 x 66 x 48.5
24 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

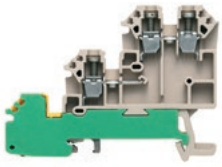
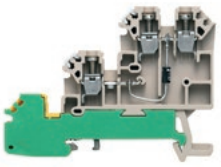
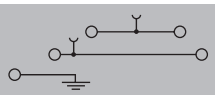
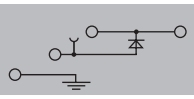
CSA EAC UL

30 / 5

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/NPN -+ DB	100	1783950000
DLI 2.5/LD-GN/NPN -+ DB	100	1783940000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

	DLA 2.5	DLA 2.5/D
	2.5 mm²	2.5 mm²
	Actuator connection (signal,-,PE)	Actuator connection (circuit with diode)
		
Width/Height/Depth mm	6.1 x 65 x 48.5	6.1 x 66 x 48.5
max. current / max. cond. cross-section A/mm²	**26 / 4**	**17.5 / 4**
Max. clamping range mm²	**0.13...4** 	**0.13...4** 

Technical data

	DLA 2.5	DLA 2.5/D
Rated data		
Rated voltage V	IEC 60947-7-1 (-7-2)	IEC 60947-7-1 (-7-2)
Rated current A		
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Electronic fixtures		
Component voltage / Component current -/-		1000 / 1
Operating voltage for display, max. / Current -/-		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors) -	0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
Stripping length / Blade size mm/-	7 / 0.6 x 3.5 mm	7 / 0.6 x 3.5 mm
Note	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.	Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			
CE cULus EAC			

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Ordering data

Version	Type	Qty.	Order No.
dark beige	DLA 2.5 DB	100	**1783560000**
dark beige (red LED)			
dark beige (green LED)			
Note			

Version	Type	Qty.	Order No.
dark beige	DLA 2.5/D DB	100	**1783590000**
dark beige (red LED)			
dark beige (green LED)			
Note			

Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	Q 2 DLI	20 A	50	**1312500000**
3-pole	Q 3 DLI	20 A	50	**1312600000**
4-pole	Q 4 DLI	20 A	50	**1312700000**
10-pole	Q 10 DLI	20 A	20	**1313100000**
End plate / Partition plate				
dark beige	AP DLI2.5 DB		20	**1783550000**
End bracket				
dark beige	EW 35		50	**0383560000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Small partition				
Small partition	TSCH 1		100	**0319160000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**

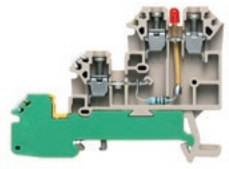
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	Q 2 DLI	20 A	50	**1312500000**
3-pole	Q 3 DLI	20 A	50	**1312600000**
4-pole	Q 4 DLI	20 A	50	**1312700000**
10-pole	Q 10 DLI	20 A	20	**1313100000**
End plate / Partition plate				
dark beige	AP DLI2.5 DB		20	**1783550000**
End bracket				
dark beige	EW 35		50	**0383560000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Small partition				
Small partition	TSCH 1		100	**0319160000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**

For detailed information on other accessories and application in the online catalogue

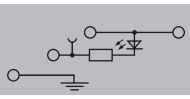
DLA 2.5/LD

2.5 mm²

Actuator connection with LED



6.1 x 66 x 48.5
17.5 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30		30	
17.5		10	
2.5	AWG 26...12	AWG 26...12	
	0.8 kV / 3		
	A3 / V-0		

30 / 5
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLA 2.5/LD-RT DB	100	**1783600000**

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	**1312500000**
Q 3 DLI	20 A	50	**1312600000**
Q 4 DLI	20 A	50	**1312700000**
Q 10 DLI	20 A	20	**1313100000**
AP DLI2.5 DB		20	**1783550000**
EW 35		50	**0383560000**
SDS 0.6X3.5X100		1	**9008330000**
TSCH 1		100	**0319160000**
DEK 5/6 MC NE WS		1000	**1609820000**

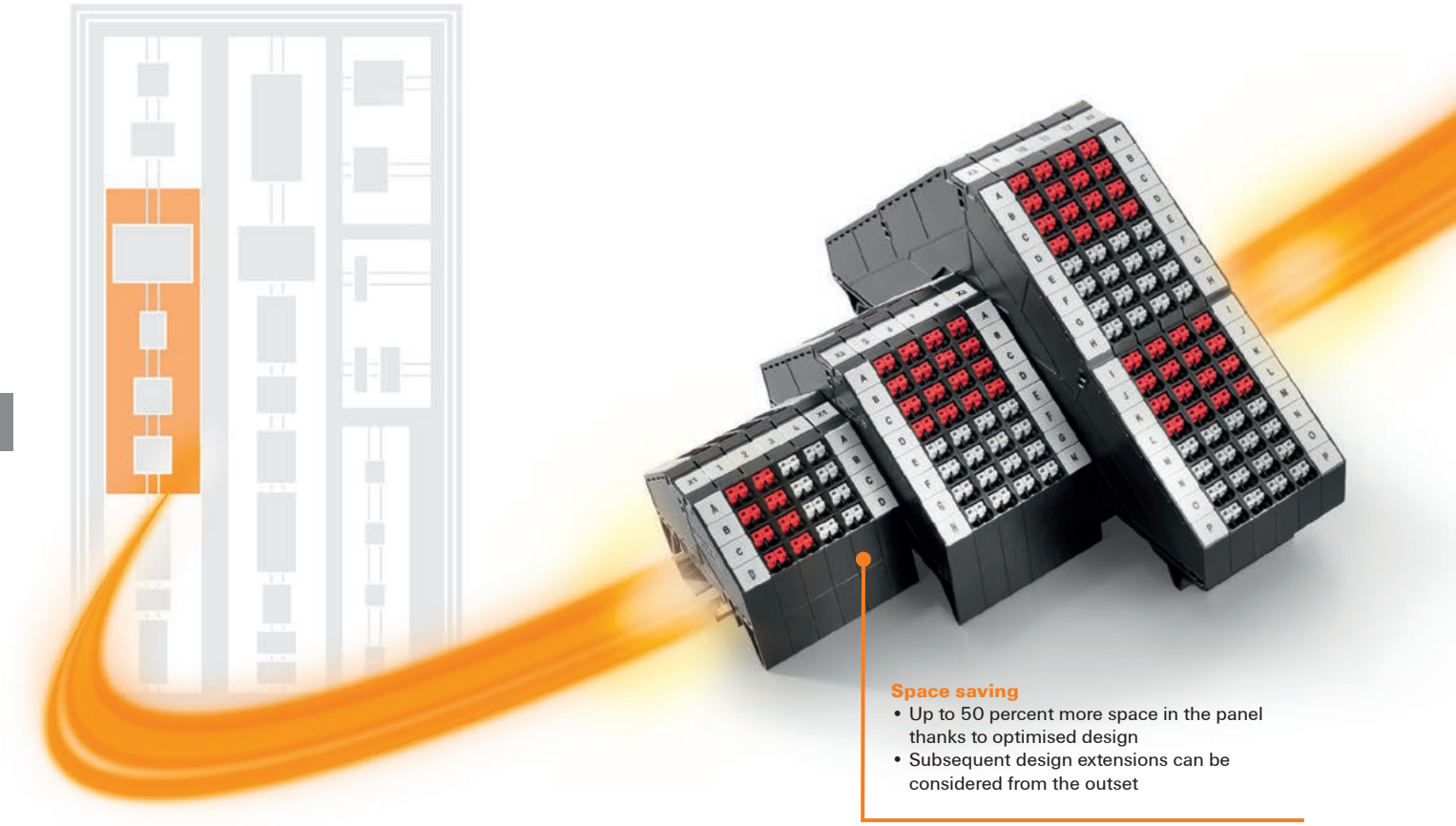
Space-saving connection of process control systems

Efficient marshalling and distribution with Klippon® Connect signals

Increasingly complex requirements for automation processes and increasing demands in terms of monitoring and recording operational data have led to an ever-increasing number of sensors in the field for process technology. This means that space- and time-saving wiring of signals in DCS marshalling panels in the process and energy generation industries is becoming increasingly demanding. Our terminal blocks for DCS marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.

Our promise

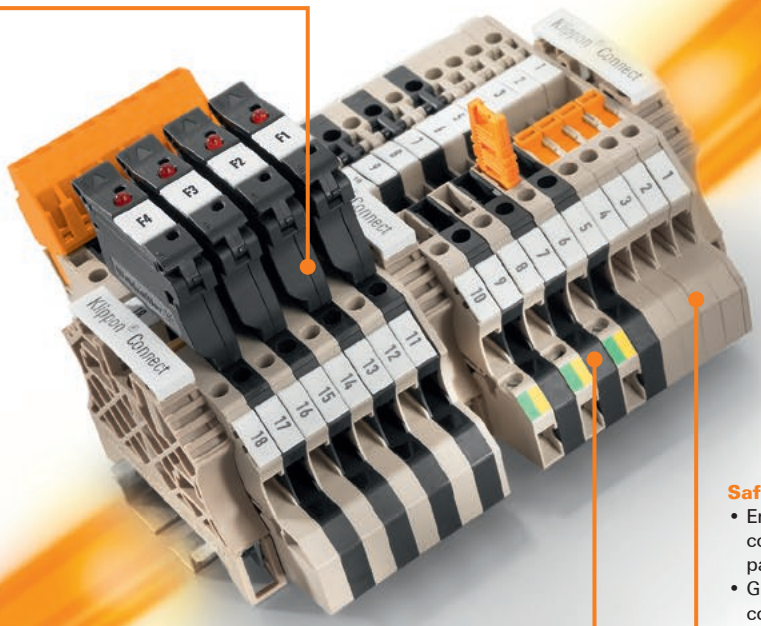
With our terminal blocks for DCS marshalling, you have maximum flexibility from the planning phase: potential later extensions can be planned in from the start. This means that Klippon® Connect saves you time and money and considerably improves productivity.



Space saving

- Up to 50 percent more space in the panel thanks to optimised design
- Subsequent design extensions can be considered from the outset

Time saving
- Use of pre-assembled cable sets with pluggable BLZ connectors saves valuable wiring time
- Quick and convenient fuse changes thanks to fuse holder with pivoting fuse lever



Safety
- Error-free assignment of signals, based on a colour-coded matrix structure and printed partition plates
- Guarantees vibration-resistant and gas-tight connections
- Protection from electromagnetic influences
- Consistently low contact resistance thanks to innovative V-shaped current bars

Flexibility
- All the important terminal block functions in a single design
- More flexibility in potential distribution thanks to three cross-connection channels
- Setup of an additional shield potential next to the neutral conductor is possible with ZQV standard cross connections

Our range

Unique design for plenty of space:
Our PUSH IN terminal blocks for DCS marshalling (PRV) with up to 16 connection levels are specially designed to meet the requirements for wiring initiator and actuator signals in process control engineering. The optimised design guarantees a space saving of up to 50 percent in the panel. And the unique V-shape of the current bars ensures consistently low contact resistances.

One solution for all requirements:
The WMF-Series of screw connection terminals is a multi-functional solution for the marshalling and distribution of signals. Feed-through, fuse and disconnector function plus an additional shield connection are included in one design.

	PRV 4 RT	1.5 mm²	PRV 4 WS	1.5 mm²
	PUSH IN		PUSH IN	
Width/Height/Depth mm	9.2 x 70 x 54.5		9.2 x 70 x 54.5	
max. current / max. cond. cross-section A/mm²	**13 / 1.5**		**13 / 1.5**	
Max. clamping range mm²	**0.13...1.5**		**0.13...1.5**	

Technical data

Rated data						IEC 60947-7-1, DIN EN 60079			
	IEC	UL	CSA	EN 60079-7		IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300			250	300	300	
Rated current A	10	10	10			10	10	10	
for wire cross-section mm²	1.5		AWG 26...16			1.5		AWG 26...16	
Rated impulse withstand voltage / Pollution severity			4 kV / 3					4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0					/ V-0	
Approvals									
Clamped conductors (H05V/H07V)	**Rated connection**					**Rated connection**			
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5					0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5					0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule -									
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm					10 / 0.6 x 3.5 mm			
Note									

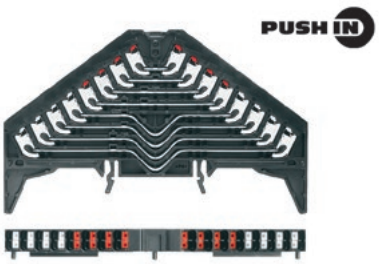
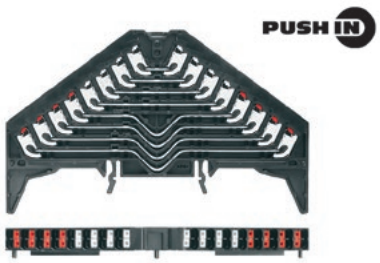
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
black for TS 35x15	PRV 4 SW 35X15 RT	20	**1173810000**	PRV 4 SW 35X15 WS	20	**1173820000**
blue for TS 35x15	PRV 4 BL 35X15 RT	20	**1267890000**	PRV 4 BL 35X15 WS	20	**1173920000**
black for TS 35x7.5	PRV 4 SW 35X7.5 RT	20	**1173830000**	PRV 4 SW 35X7.5 WS	20	**1173840000**
blue for TS 35x7.5	PRV 4 BL 35X7.5 RT	20	**1267900000**	PRV 4 BL 35X7.5 WS	20	**1173930000**
Note	RT = red actuators			WS = white actuators		

Accessories

End plate	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
black	PAP PRV/PPV4 SW		10	**1173750000**	PAP PRV/PPV4 SW		10	**1173750000**
blue	PAP PRV/PPV4 BL		10	**1268010000**	PAP PRV/PPV4 BL		10	**1268010000**
grey	PAP PRV/PPV4 GR		10	**1211450000**	PAP PRV/PPV4 GR		10	**1211450000**
Marker holder								
black for TS 35 x 15	BZT PRV4 SW 35X15		20	**1173590000**	BZT PRV4 SW 35X15		20	**1173590000**
blue for TS 35 x 15	BZT PRV4 BL 35X15		20	**1267980000**	BZT PRV4 BL 35X15		20	**1267980000**
black for TS 35 x 7.5	BZT PRV4 SW 35X7.5		20	**1173600000**	BZT PRV4 SW 35X7.5		20	**1173600000**
blue for TS 35 x 7.5	BZT PRV4 BL 35X7.5		20	**1267990000**	BZT PRV4 BL 35X7.5		20	**1267990000**
Partition plate								
Unprinted	TW PRV4		10	**1173700000**	TW PRV4		10	**1173700000**
Printed 0...3 or 0...7 or 0...15	TW PRV4 0-3		10	**1230060000**	TW PRV4 0-3		10	**1230060000**
Printed 1...4 or 1...8 or 1...16	TW PRV4 1-4		10	**1230050000**	TW PRV4 1-4		10	**1230050000**
Printed A...D or A...H or A...P	TW PRV4 A-D		10	**1230070000**	TW PRV4 A-D		10	**1230070000**
End bracket								
black	ZEW 35/2 SW		20	**1162610000**	ZEW 35/2 SW		20	**1162610000**
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**	SDIS SL 0.6X3.5X100		1	**1274660000**
Pluggable cross-connection								
2-pole	SRC-I QV P		10	**8870840000**	SRC-I QV P		10	**8870840000**
Identification systems								
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

For detailed information on other accessories and application in the online catalogue

	PRV 8 RT/WS	1.5 mm²	PRV 8 WS/RT	1.5 mm²
				
Width/Height/Depth mm	9.2 x 120 x 73		9.2 x 120 x 73	
max. current / max. cond. cross-section A/mm²	**10 / 1.5**		**10 / 1.5**	
Max. clamping range mm²	**0.13...1.5**		**0.13...1.5**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300	
Rated current A	8	10	10	
for wire cross-section mm²	1.5		AWG 26...16	
Rated impulse withstand voltage / Pollution severity			4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

IEC 60947-7-1

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	250	300	300	
Rated current A	8	10	10	
for wire cross-section mm²	1.5		AWG 26...16	
Rated impulse withstand voltage / Pollution severity			4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			/ V-0	
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule mm²	0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule -				
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
black for TS 35x15	PRV 8 SW 35X15 RT/WS	20	**1173740000**
blue for TS 35x15	PRV 8 BL 35X15 RT/WS	20	**1267830000**
black for TS 35x7.5	PRV 8 SW 35X7.5 RT/WS	20	**1173790000**
blue for TS 35x7.5	PRV 8 BL 35X7.5 RT/WS	20	**1267840000**
Note	RT = red actuators WS = white actuators		

Version	Type	Qty.	Order No.
black for TS 35x15	PRV 8 SW 35X15 WS/RT	20	**1173780000**
blue for TS 35x15	PRV 8 BL 35X15 WS/RT	20	**1173900000**
black for TS 35x7.5	PRV 8 SW 35X7.5 WS/RT	20	**1173800000**
blue for TS 35x7.5	PRV 8 BL 35X7.5 WS/RT	20	**1173910000**
Note	RT = red actuators WS = white actuators		

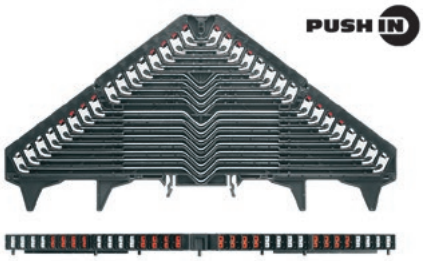
Accessories

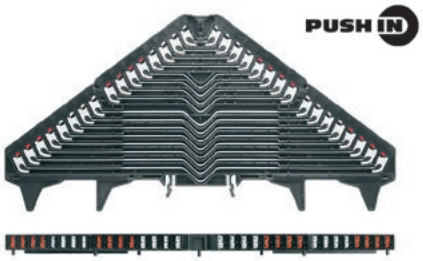
	Type	current	Qty.	Order No.
End plate				
black	PAP PRV/PPV8 SW		10	**1173720000**
blue	PAP PRV/PPV8 BL		10	**1268000000**
grey	PAP PRV/PPV8 GR		10	**1211460000**
Marker holder				
black for TS 35 x 15	BZT PRV8 SW 35X15		20	**1173570000**
blue for TS 35 x 15	BZT PRV8 BL 35X15		20	**1267950000**
black for TS 35 x 7.5	BZT PRV8 SW 35X7.5		20	**1173580000**
blue for TS 35 x 7.5	BZT PRV8 BL 35X7.5		20	**1267970000**
Partition plate				
Unprinted	TW PRV8		10	**1173670000**
Printed 0...3 or 0...7 or 0...15	TW PRV8 0-7		10	**1230090000**
Printed 1...4 or 1...8 or 1...16	TW PRV8 1-8		10	**1230080000**
Printed A...D or A...H or A...P	TW PRV8 A-H		10	**1230110000**
End bracket				
black	ZEW 35/2 SW		20	**1162610000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Pluggable cross-connection				
2-pole	SRC-I QV P		10	**8870840000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

	Type	current	Qty.	Order No.
End plate				
black	PAP PRV/PPV8 SW		10	**1173720000**
blue	PAP PRV/PPV8 BL		10	**1268000000**
grey	PAP PRV/PPV8 GR		10	**1211460000**
Marker holder				
black for TS 35 x 15	BZT PRV8 SW 35X15		20	**1173570000**
blue for TS 35 x 15	BZT PRV8 BL 35X15		20	**1267950000**
black for TS 35 x 7.5	BZT PRV8 SW 35X7.5		20	**1173580000**
blue for TS 35 x 7.5	BZT PRV8 BL 35X7.5		20	**1267970000**
Partition plate				
Unprinted	TW PRV8		10	**1173670000**
Printed 0...3 or 0...7 or 0...15	TW PRV8 0-7		10	**1230090000**
Printed 1...4 or 1...8 or 1...16	TW PRV8 1-8		10	**1230080000**
Printed A...D or A...H or A...P	TW PRV8 A-H		10	**1230110000**
End bracket				
black	ZEW 35/2 SW		20	**1162610000**
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	**1274660000**
Pluggable cross-connection				
2-pole	SRC-I QV P		10	**8870840000**
Identification systems				
	WS 7.8/9.2 PLUS MC NE GR		360	**1208970000**

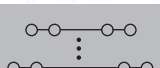
For detailed information on other accessories and application in the online catalogue

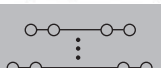
	PRV 16 RT/WS	1.5 mm²	PRV 16 WS/RT	1.5 mm²





Width/Height/Depth	mm	9.2 x 225 x 113.5	9.2 x 225 x 113.5
max. current / max. cond. cross-section	A/mm²	11 / 1.5	11 / 1.5
Max. clamping range	mm²	0.13...1.5	0.13...1.5





Technical data

Rated data		IEC 60947-7-1, DIN EN 60079				IEC 60947-7-1, DIN EN 60079			
		IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage	V	250	300	300		250	300	300	
Rated current	A	6	1	1		6	1	1	
for wire cross-section	mm²	1.5		AWG 26...16		1.5		AWG 26...16	
Rated impulse withstand voltage / Pollution severity				4 kV / 3				4 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0				/ V-0	
Approvals									
Clamped conductors (H05V/H07V)		**Rated connection**				**Rated connection**			
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5				0.5...1.5 / 0.5...1.5			
Twin wire-end ferrule	-								
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm				10 / 0.6 x 3.5 mm			
Note									

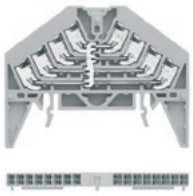
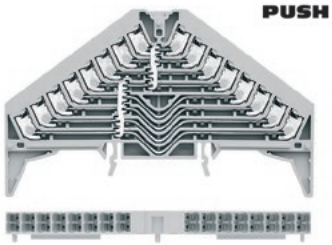
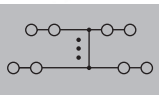
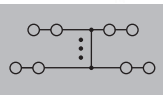
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
black for TS 35x15	PRV 16 SW 35X15 RT/WS	20	1173620000	PRV 16 SW 35X15 WS/RT	20	1173650000
blue for TS 35x15	PRV 16 BL 35X15 RT/WS	20	1267790000	PRV 16 BL 35X15 WS/RT	20	1267800000
black for TS 35x7.5	PRV 16 SW 35X7.5 RT/WS	20	1173680000	PRV 16 SW 35X7.5 WS/RT	20	1173710000
blue for TS 35x7.5	PRV 16 BL 35X7.5 RT/WS	20	1267810000	PRV 16 BL 35X7.5 WS/RT	20	1267820000
Note	RT = red actuators WS = white actuators			RT = red actuators WS = white actuators		

Accessories

End plate	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
black								
blue								
grey								
Marker holder								
black for TS 35 x 15	BZT PRV16 SW 35X15		20	1173540000	BZT PRV16 SW 35X15		20	1173540000
blue for TS 35 x 15	BZT PRV16 BL 35X15		20	1267930000	BZT PRV16 BL 35X15		20	1267930000
black for TS 35 x 7.5	BZT PRV16 SW 35X7.5		20	1173550000	BZT PRV16 SW 35X7.5		20	1173550000
blue for TS 35 x 7.5	BZT PRV16 BL 35X7.5		20	1267940000	BZT PRV16 BL 35X7.5		20	1267940000
Partition plate								
Unprinted	TW PRV16		10	1173630000	TW PRV16		10	1173630000
Printed 0...3 or 0...7 or 0...15	TW PRV16 0-15		10	1230130000	TW PRV16 0-15		10	1230130000
Printed 1...4 or 1...8 or 1...16	TW PRV16 1-16		10	1230120000	TW PRV16 1-16		10	1230120000
Printed A...D or A...H or A...P	TW PRV16 A-P		10	1230140000	TW PRV16 A-P		10	1230140000
End bracket								
black	WEW 35/1 SW		50	1162600000	WEW 35/1 SW		50	1162600000
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	1274660000	SDIS SL 0.6X3.5X100		1	1274660000
Pluggable cross-connection								
2-pole	SRC-I QV P		10	8870840000	SRC-I QV P		10	8870840000
Identification systems								
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000	WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

	PPV 4	1.5 mm²	PPV 8	1.5 mm²
	PUSH IN		PUSH IN	
				
Width/Height/Depth mm max. current / max. cond. cross-section -/mm² Max. clamping range mm²	9.2 x 70 x 54.5 / 1.5 0.13...1.5		9.2 x 120 x 73 / 1.5 0.13...1.5	

Technical data

Rated data						
		IEC 60947-7-1, DIN EN 60079			IEC 60947-7-1	
		IEC	UL	CSA	IEC	UL	CSA
Rated voltage	V	250	300	300	250	300	300
Rated current	A	17.5	10	10	17.5	10	10
for wire cross-section	mm²	1.5	AWG 26...16	AWG 26...16	1.5	AWG 26...16	AWG 26...16
Rated impulse withstand voltage / Pollution severity		4 kV / 3			4 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		/ V-0			/ V-0		
Approvals		CE GL cULus EAC			CE GL cULus EAC		
Clamped conductors (H05V/H07V)		**Rated connection**			**Rated connection**		
Solid / Stranded	mm²	0.5...1.5 / 0.5...1.5			0.5...1.5 / 0.5...1.5		
Flexible / Flexible with ferrule	mm²	0.5...1.5 / 0.5...1.5			0.5...1.5 / 0.5...1.5		
Twin wire-end ferrule	-						
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			10 / 0.6 x 3.5 mm		
Note							

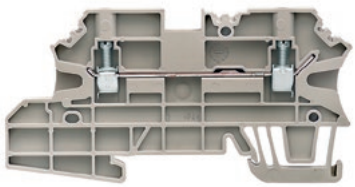
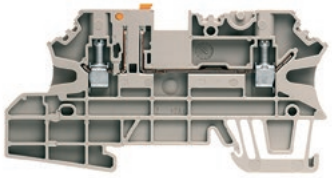
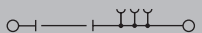
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
blue for TS 35x15	PPV 4 BL 35X15 DGR	20	1267910000	PPV 8 BL 35X15 DGR	20	1267870000
grey for TS 35x15	PPV 4 GR 35X15 DGR	20	1173880000	PPV 8 GR 35X15 DGR	20	1173850000
orange for TS 35x15	PPV 4 OR 35X15 DGR	20	1301610000	PPV 8 OR 35X15 DGR	20	1301620000
blue for TS 35x7.5	PPV 4 BL 35X7.5 DGR	20	1267920000	PPV 8 BL 35X7.5 DGR	20	1267880000
grey for TS 35x7.5	PPV 4 GR 35X7.5 DGR	20	1173890000	PPV 8 GR 35X7.5 DGR	20	1173870000
orange for TS 35x7.5	PPV 4 OR 35X7.5 DGR	20	1301630000	PPV 8 OR 35X7.5 DGR	20	1301640000
Note	DGR = dark grey actuators			DGR = dark grey actuators		

Accessories

End plate	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
black	PAP PRV/PPV4 SW		10	1173750000	PAP PRV/PPV8 SW		10	1173720000
blue	PAP PRV/PPV4 BL		10	1268010000	PAP PRV/PPV8 BL		10	1268000000
grey	PAP PRV/PPV4 GR		10	1211450000	PAP PRV/PPV8 GR		10	1211460000
Marker holder								
black for TS 35 x 15	BZT PRV4 SW 35X15		20	1173590000	BZT PRV8 SW 35X15		20	1173570000
blue for TS 35 x 15	BZT PRV4 BL 35X15		20	1267980000	BZT PRV8 BL 35X15		20	1267950000
black for TS 35 x 7.5	BZT PRV4 SW 35X7.5		20	1173600000	BZT PRV8 SW 35X7.5		20	1173580000
blue for TS 35 x 7.5	BZT PRV4 BL 35X7.5		20	1267990000	BZT PRV8 BL 35X7.5		20	1267970000
Partition plate								
Unprinted	TW PRV4		10	1173700000	TW PRV8		10	1173670000
Printed 0...3 or 0...7 or 0...15	TW PRV4 0-3		10	1230060000	TW PRV8 0-7		10	1230090000
Printed 1...4 or 1...8 or 1...16	TW PRV4 1-4		10	1230050000	TW PRV8 1-8		10	1230080000
Printed A...D or A...H or A...P	TW PRV4 A-D		10	1230070000	TW PRV8 A-H		10	1230110000
End bracket								
black	ZEW 35/2 SW		20	1162610000	ZEW 35/2 SW		20	1162610000
Screwdriver								
Standard	SDIS SL 0.6X3.5X100		1	1274660000	SDIS SL 0.6X3.5X100		1	1274660000
Pluggable cross-connection								
2-pole	SRC-I QV P		10	8870840000	SRC-I QV P		10	8870840000
Identification systems								
	WS 7.8/9.2 PLUS MC NE GR		360	1208970000	WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

	WMF 2.5	2.5 mm²	WMF 2.5 DI	2.5 mm²
				
Width/Height/Depth mm	5.08 x 88 x 44.5		5.08 x 88 x 44.5	
max. current / max. cond. cross-section A	**32 / 4**		**20 / 4**	
Max. clamping range mm²	**0.5...4**		**0.5...4**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal -		600	600	
Rated current A	24	20	26	
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal -		600	300	
Rated current A	20	19	19	
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
dark beige	WMF 2.5	50	**1143070000**
blue	WMF 2.5 BL	50	**1270040000**
Note			

Version	Type	Qty.	Order No.
dark beige	WMF 2.5 DI	50	**1143020000**
blue	WMF 2.5 DI BL	50	**1270070000**
Note			

Accessories

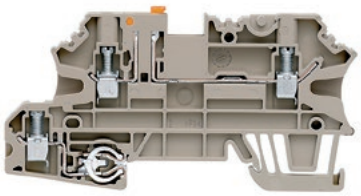
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP WMF2.5		50	**1142990000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED				
10 - 36 V AC/DC, red LED				
140 - 250 V AC/DC, red LED				
Module connector (max, 250 V)				
without fittings				
with wire jumper				
With 1N4007 diode				
Disconnect plug				
removable, as replacement for release lever				
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 M MC NE WS		720	**1792000000**

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP WMF2.5		50	**1142990000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**
Module connector (max, 250 V)				
without fittings				
with wire jumper	BEST/DRBR		50	**1878570000**
With 1N4007 diode	BEST/D		50	**1878560000**
Disconnect plug				
removable, as replacement for release lever				
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 M MC NE WS		720	**1792000000**

For detailed information on other accessories and application in the online catalogue

WMF 2.5 DI PE

2.5 mm²



5.08 x 88 x 44.5
20 / 4
0.5...4

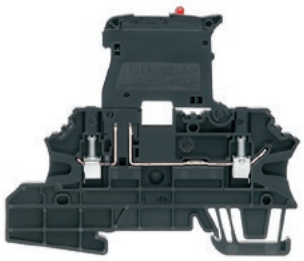
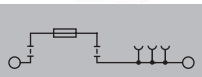
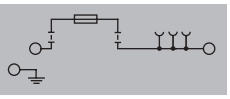
IEC	UL	CSA	EN 60079-7
	600	600	
20	19	19	
2.5	AWG 26...12	AWG 26...12	
		8 kV / 3	
		A3 / V-0	

CE cULus EAC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...0.6 Nm / (M 3)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WMF 2.5 DI PE	50	**1143030000**
WMF 2.5 DI PE BL	50	**1270080000**

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	**1693800000**
ZQV 2.5N/10 GE	24 A	20	**1693880000**
AP WMF2.5		50	**1142990000**
WEW 35/1		50	**1059000000**
SDS 0.6X3.5X100		1	**9008330000**
SIHA 3/G20		25	**7921560000**
SIHA 3/G20/LD 10-36V		25	**7921570000**
SIHA 3/G20/LD 140-250V		25	**7921600000**
FUCR SW		10	**1167630000**
FUCR 10-36V SW		10	**1167640000**
FUCR 100-250V SW		10	**1167680000**
BEST		50	**1833100000**
BEST/DRBR		50	**1878570000**
BEST/D		50	**1878560000**
TNST		50	**1833090000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

	WMF 2.5 FU	2.5 mm²	WMF 2.5 FU PE	2.5 mm²
				
Width/Height/Depth mm	5.08 x 88 x 74		5.08 x 88 x 74	
max. current / max. cond. cross-section A	**6.3 / 4**		**6.3 / 4**	
Max. clamping range mm²	**0.5...4**		**0.5...4**	

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal -		600	600	
Rated current A	6.3	17	17	
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE GL cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
Solid / Stranded mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)			
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm			
Note				

Rated data	IEC	UL	CSA	EN 60079-7
		600	600	
	6.3	17	17	
	2.5	AWG 26...12	AWG 26...12	
		8 kV / 3		
		A3 / V-0		
	CE GL cULus EAC			
Clamped conductors (H05V/H07V)	**Rated connection**			
	0.5...4 / 1.5...4			
	0.5...4 / 0.5...2.5			
	0.5...0.6 Nm / (M 3)			
	10 / 0.6 x 3.5 mm			
Note				

Ordering data

Version	Type	Qty.	Order No.
black	WMF 2.5 FU SW	50	**1162920000**
10-36 V AC/DC, with LED	WMF 2.5 FU 10-36V SW	50	**1162930000**
30–70 V AC/DC, with LED	WMF 2.5 FU 30-70V SW	50	**1162940000**
60-150 V AC/DC, with LED	WMF 2.5 FU 60-150V SW	50	**1162950000**
100-250 V AC/DC, with LED	WMF 2.5 FU 100-250V SW	50	**1162960000**
Note	The WMF FU terminals may not be aligned directly under one another.		

Version	Type	Qty.	Order No.
	WMF 2.5 FU PE SW	50	**1163040000**
	WMF 2.5 FU PE 10-36V SW	50	**1163050000**
	WMF 2.5 FU PE 30-70V SW	50	**1163060000**
	WMF 2.5 FU PE 60-150V SW	50	**1163070000**
	WMF 2.5 FU PE 100-250V SW	50	**1163080000**
	The WMF FU terminals may not be aligned directly under one another.		

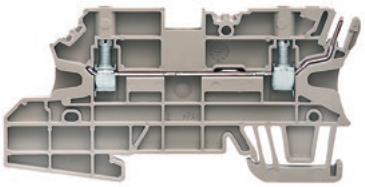
Accessories

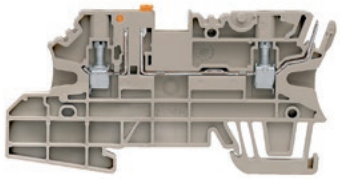
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5N/2 GE	24 A	60	**1693800000**
10-pole	ZQV 2.5N/10 GE	24 A	20	**1693880000**
End plate / Partition plate				
dark beige	AP WMF2.5		50	**1142990000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	**7921560000**
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	**7921570000**
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**
Module connector (max, 250 V)				
without fittings	BEST		50	**1833100000**
with wire jumper	BEST/DRBR		50	**1878570000**
With 1N4007 diode	BEST/D		50	**1878560000**
Disconnect plug				
removable, as replacement for release lever	TNST		50	**1833090000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

	Type	current	Qty.	Order No.
	ZQV 2.5N/2 GE	24 A	60	**1693800000**
	ZQV 2.5N/10 GE	24 A	20	**1693880000**
	AP WMF2.5		50	**1142990000**
	WEW 35/2		100	**1061200000**
	SDS 0.6X3.5X100		1	**9008330000**
	SIHA 3/G20		25	**7921560000**
	SIHA 3/G20/LD 10-36V		25	**7921570000**
	SIHA 3/G20/LD 140-250V		25	**7921600000**
	FUCR SW		10	**1167630000**
	FUCR 10-36V SW		10	**1167640000**
	FUCR 100-250V SW		10	**1167680000**
	BEST		50	**1833100000**
	BEST/DRBR		50	**1878570000**
	BEST/D		50	**1878560000**
	TNST		50	**1833090000**
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

For detailed information on other accessories and application in the online catalogue

	WMF 2.5 BLZ	2.5 mm²	WMF 2.5 DI BLZ	2.5 mm²





Width/Height/Depth	mm	5.08 x 90 x 44.5	5.08 x 90 x 44.5
max. current / max. cond. cross-section	A	32 / 4	20 / 4
Max. clamping range	mm²	0.5...4	0.5...4

Technical data

Rated data	WMF 2.5 BLZ	WMF 2.5 DI BLZ
Rated voltage to adjoining terminal	IEC 61984, In accordance with IEC 60947-7-1	IEC 61984, In accordance with IEC 60947-7-1

	IEC	UL	CSA	EN 60079-7
Rated current	300	300		
A	24	20	26	
for wire cross-section	2.5	AWG 26...12	AWG 26...12	
mm²				
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals	CE GL cULus EAC			

Clamped conductors (H05V/H07V)	WMF 2.5 BLZ	WMF 2.5 DI BLZ
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)	0.5...0.6 Nm / (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	With BLZ plug the nominal current is reduced to 15.5 A.	With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

Version	Type	Qty.	Order No.
dark beige	WMF 2.5 BLZ	50	1143050000
Note			

Version	Type	Qty.	Order No.
dark beige	WMF 2.5 DI BLZ	50	1143000000
Note			

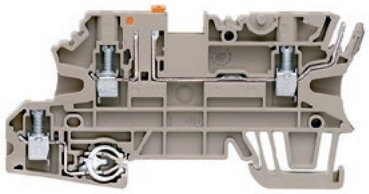
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/2		100	1061200000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED				
10 - 36 V AC/DC, red LED				
140 - 250 V AC/DC, red LED				
Module connector (max, 250 V)				
without fittings				
with wire jumper				
With 1N4007 diode				
Disconnect plug				
removable, as replacement for release lever				
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 M MC NE WS		720	1792000000

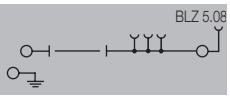
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
	FUCR SW		10	1167630000
	FUCR 10-36V SW		10	1167640000
	FUCR 100-250V SW		10	1167680000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

WMF 2.5 DI BLZ PE — 2.5 mm²



Width/Height/Depth	5.08 x 90 x 44.5 mm
max. current / max. cond. cross-section	20 / 4 A
Max. clamping range	0.5...4 mm²



IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal -		300	300	
Rated current A	20	19	19	
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity		8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0		
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm

Note	
	With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

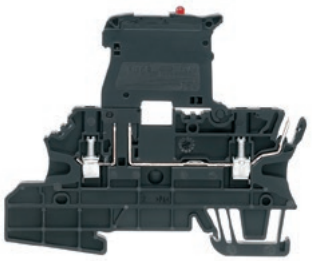
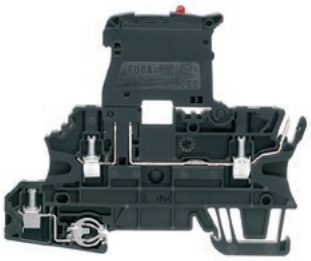
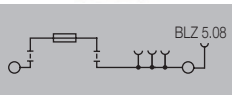
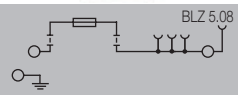
Version	Type	Qty.	Order No.
dark beige	WMF 2.5 DI BLZ PE	50	1143010000

Note

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
	FUCR SW		10	1167630000
	FUCR 10-36V SW		10	1167640000
	FUCR 100-250V SW		10	1167680000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

	WMF 2.5 FU BLZ	2.5 mm²	WMF 2.5 FU BLZ PE	2.5 mm²
				
Width/Height/Depth mm	5.08 x 90 x 74	 BLZ 5.08	5.08 x 90 x 74	 BLZ 5.08
max. current / max. cond. cross-section A	6.3 / 4		6.3 / 4	
Max. clamping range mm²	0.5...4		0.5...4	

Technical data

Rated data					
	IEC	UL	CSA	EN 60079-7	
Rated voltage to adjoining terminal -		300	300		
Rated current A	6.3	17	17		
for wire cross-section mm²	2.5	AWG 26...12	AWG 26...12		
Rated impulse withstand voltage / Pollution severity			8 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded mm²	0.5...4 / 1.5...4				
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5				
Tightening torque (clamping screw for copper conductors) -	0.5...0.6 Nm / (M 3)				
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm				
Note					

IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-3

IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3

Ordering data

Version	Type	Qty.	Order No.
black	WMF 2.5 FU BLZ SW	50	1162980000
10-36 V AC/DC, with LED	WMF 2.5 FU BLZ 10-36V SW	50	1162990000
30-70 V AC/DC, with LED	WMF 2.5 FU BLZ 30-70V SW	50	1163000000
60-150 V AC/DC, with LED	WMF 2.5 FU BLZ 60-150V SW	50	1163010000
100-250 V AC/DC, with LED	WMF 2.5 FU BLZ 100-250V SW	50	1163020000
Note			

Version	Type	Qty.	Order No.
black	WMF 2.5 FU BLZ PE SW	50	1162820000
10-36 V AC/DC, with LED	WMF 2.5 FU BLZ PE 10-36V SW	50	1162830000
30-70 V AC/DC, with LED	WMF 2.5 FU BLZ PE 30-70V SW	50	1162840000
60-150 V AC/DC, with LED	WMF 2.5 FU BLZ PE 60-150V SW	50	1162850000
100-250 V AC/DC, with LED	WMF 2.5 FU BLZ PE 100-250V SW	50	1162860000
Note			

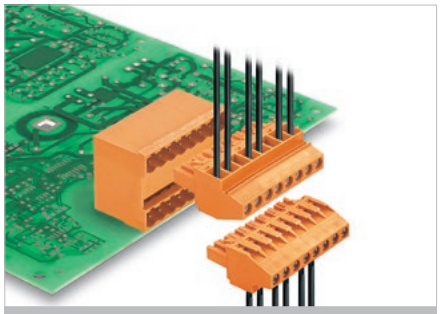
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
	FUCR SW		10	1167630000
	FUCR 10-36V SW		10	1167640000
	FUCR 100-250V SW		10	1167680000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5N/2 GE	24 A	60	1693800000
10-pole	ZQV 2.5N/10 GE	24 A	20	1693880000
End plate / Partition plate				
dark beige	AP WMF2.5		50	1142990000
End bracket				
dark beige	WEW 35/1		50	1059000000
Screwdriver				
Standard	SDS 0.6X3.5X100		1	9008330000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
	FUCR SW		10	1167630000
	FUCR 10-36V SW		10	1167640000
	FUCR 100-250V SW		10	1167680000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

BLZP 5.08HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm²
UL: 300 V / 20 A / AWG 26 - 12

72h

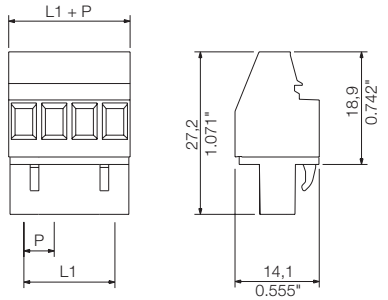
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC/../90

Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid core H05(07) V-U	**mm²**	**0.2...4**		
Stranded H07 V-R				
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	**A**	**23**		**21**
At ambient temperature		20°C		40°C
For conductor cross-section	mm²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	**V**	**250**	**320**	**400**
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		**B**	**C**	**D**
Rated voltage	**V**	**300**		**300**
Rated current	**A**	**20**		**10**
AWG conductor	**AWG**	**26-12**		
CSA (Use Group)		**B**	**C**	**D**
Rated voltage	V	300	50	300
Rated current	A	20		20
AWG conductor	AWG	30-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

Accessories

Note: Refer to the Accessories chapter for additional accessories.

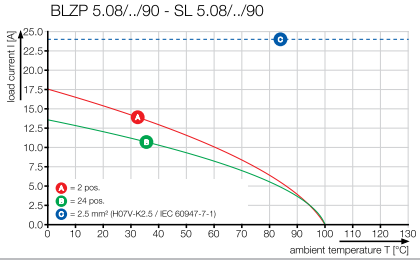
Coding		Order No.
	BLZ/SL KO OR BX	1573010000
	BLZ/SL KO BK BX	1545710000
Screwdriver		
	SDS 0.6X3.5X100	9008330000
	SDIS 0.6X3.5X100	9008390000
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length

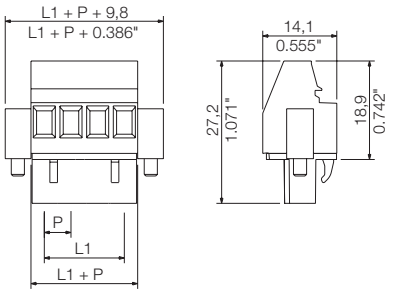
Colour				Orange	Black
Pitch	**5.08 mm**				
Pol.	**L1**	**(inch)**	**Qty.**	**Order No.**	**Order No.**
2	5.08	0.200	180	1948000000	1948240000
3	10.16	0.400	120	1948010000	1948250000
4	15.24	0.600	90	1948020000	1948260000
5	20.32	0.800	72	1948030000	1948270000
6	25.40	1.000	60	1948040000	1948280000
7	30.48	1.200	48	1948050000	1948290000
8	35.56	1.400	42	1948060000	1948300000
9	40.64	1.600	36	1948070000	1948310000
10	45.72	1.800	36	1948080000	1948320000
11	50.80	2.000	30	1948100000	1948330000
12	55.88	2.200	30	1948110000	1948340000
13	60.96	2.400	24	1948120000	1948350000
14	66.04	2.600	24	1948130000	1948360000
15	71.12	2.800	24	1948140000	1948370000
16	76.20	3.000	18	1948150000	1948380000
17	81.28	3.200	18	1948160000	1948390000
18	86.36	3.400	18	1948170000	1948400000
19	91.44	3.600	18	1948180000	1948410000
20	96.52	3.800	18	1948190000	1948420000
21	101.60	4.000	12	1948200000	1948430000
22	106.68	4.200	12	1948210000	1948440000
23	111.76	4.400	12	1948220000	1948450000
24	116.84	4.600	12	1948230000	1948460000

Representative deratings curve



BLZP 5.08HC/../90F

Dimensioned drawing



Ordering data

Solder pin length					
Colour				Orange	Black
Pitch	**5.08 mm**				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1949800000	1950040000
3	10.16	0.400	72	1949810000	1950050000
4	15.24	0.600	60	1949820000	1950060000
5	20.32	0.800	48	1949830000	1950070000
6	25.40	1.000	42	1949840000	1950080000
7	30.48	1.200	36	1949850000	1950090000
8	35.56	1.400	36	1949860000	1950100000
9	40.64	1.600	30	1949870000	1950110000
10	45.72	1.800	30	1949880000	1950120000
11	50.80	2.000	24	1949890000	1950130000
12	55.88	2.200	24	1949900000	1950140000
13	60.96	2.400	24	1949910000	1950150000
14	66.04	2.600	18	1949920000	1950160000
15	71.12	2.800	18	1949930000	1950170000
16	76.20	3.000	18	1949940000	1950180000
17	81.28	3.200	18	1949950000	1950190000
18	86.36	3.400	18	1949960000	1950200000
19	91.44	3.600	12	1949970000	1950210000
20	96.52	3.800	12	1949980000	1950220000
21	101.60	4.000	12	1949990000	1950230000
22	106.68	4.200	12	1950010000	1950240000
23	111.76	4.400	12	1950020000	1950250000
24	116.84	4.600	12	1950030000	1950260000

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current,
and perfect for the force.

IL WMF 2.5 BLZ OR

Ordering data
Note

Type	Qty.	Order No.
IL WMF2.5 BLZ OR	50	1167440000

WAD WMF 2.5

Ordering data
Note

Type	Qty.	Order No.
WAD WMF2.5	50	1142970000

WBB WMF 2.5 BLZ

Ordering data
Note

Type	Qty.	Order No.
WBB WMF2.5 BLZ	10	1142980000

AP WMF 2.5

Ordering data
Note

Type	Qty.	Order No.
AP WMF2.5	50	1142990000

FUCR SW

Ordering data
Note

Type	Qty.	Order No.
FUCR 10-36V SW	10	1167640000

Support plates and end plates

PAP PRV/PPV4

Technical data	
Width	mm
Ordering data	
	dark beige
	blue
	blue
	grey
	black
Note	

3

Type	Qty.	Order No.
PAP PRV/PPV4 BL	10	**1268010000**
PAP PRV/PPV4 GR	10	**1211450000**
PAP PRV/PPV4 SW	10	**1173750000**

PAP PRV/PPV8

3

Type	Qty.	Order No.
PAP PRV/PPV8 GR	10	**1211460000**
PAP PRV/PPV8 SW	10	**1173720000**

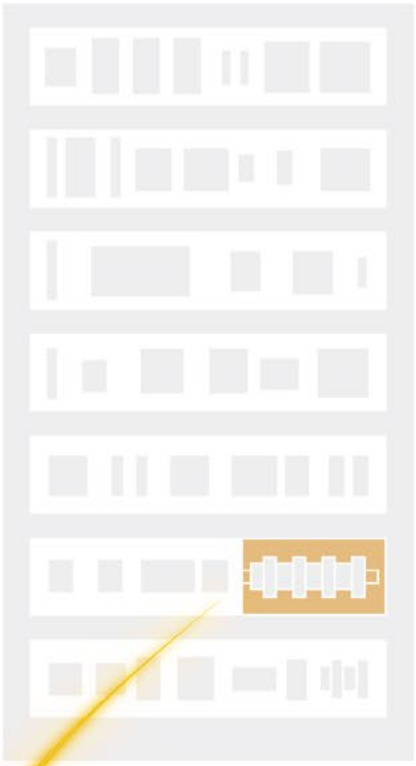
Safe, error-free plant operation

Efficient shielding and earthing with Klippon® Connect

The safety and availability of plants must be guaranteed at all times. Careful planning and installation of safety functions play a particularly important role. For personnel protection, we offer a wide range of PE terminal blocks in different connection technologies. With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

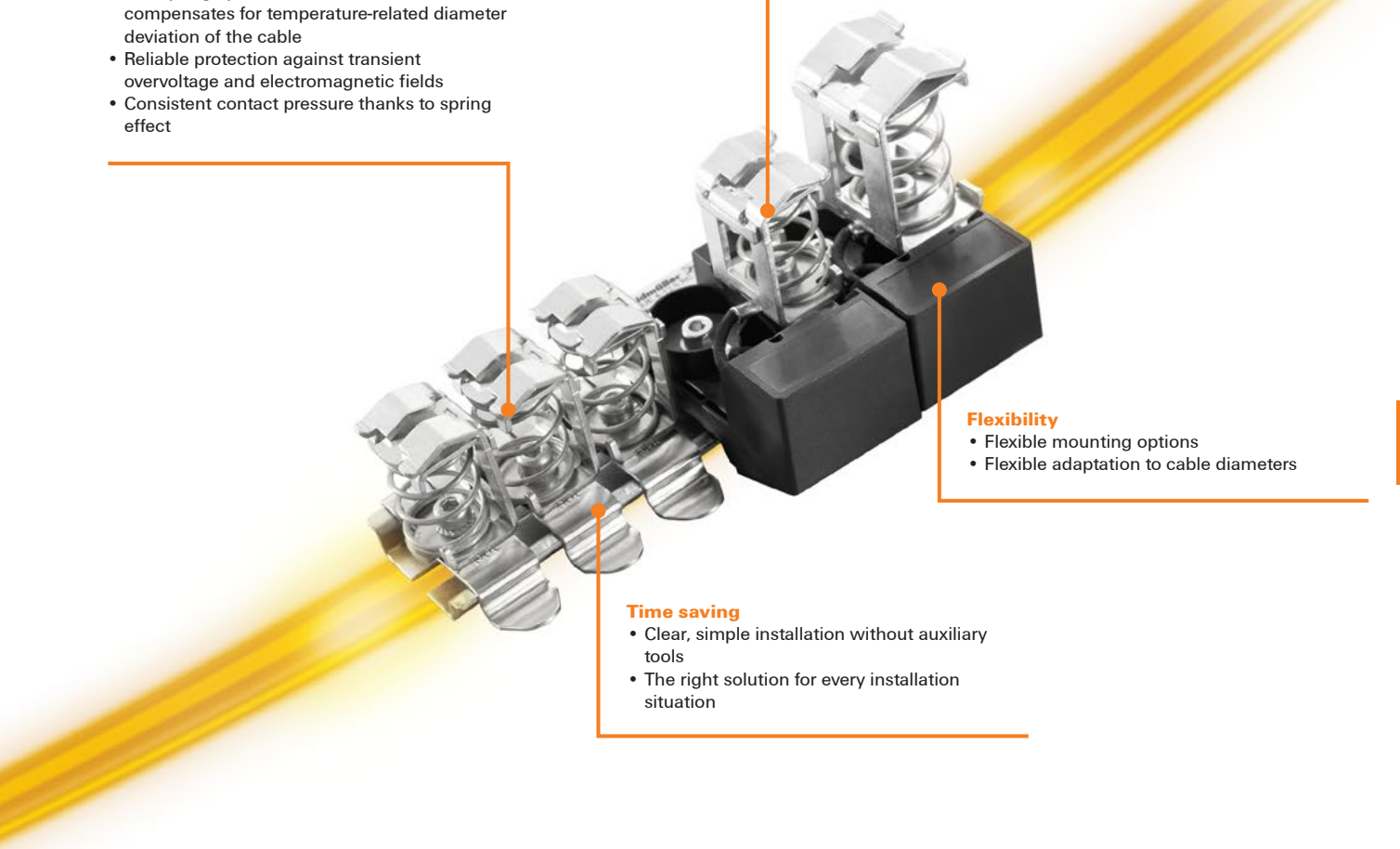
Our promise

Klippon® Connect reliably guarantees the protection of personnel and machines and increases plant availability. You can improve your productivity and benefit from more efficient planning and increased safety during installation and operation.



Space saving
- Complete range for conductor diameters from 2 to 37 mm to meet all space requirements
- Perfect shielding thanks to comprehensive accessories

Safety
- The spring system on the shield connection compensates for temperature-related diameter deviation of the cable
- Reliable protection against transient overvoltage and electromagnetic fields
- Consistent contact pressure thanks to spring effect



Flexibility
- Flexible mounting options
- Flexible adaptation to cable diameters

Time saving
- Clear, simple installation without auxiliary tools
- The right solution for every installation situation

Our range

Shielding:
Our complete range of KLBÜ shield connections, KHLA shield clamping saddles, SH 4C shield rail holders and KLBÜ RC shielding brackets allows simple and efficient installation of safe shielding systems.

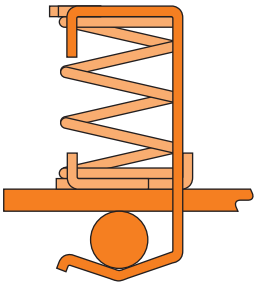
Protective earth (PE):
We offer a wide range of green/yellow terminal blocks in screw connection, tension clamp and PUSH IN designs.

Potential equalisation:
Our JB 25–50 and EBB 25–50/16 potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

Shielding and earthing
Shield clamping saddle

Clamping bracket

Cable attached to the busbar from below



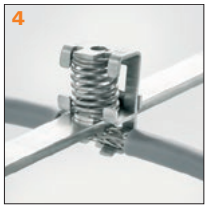
KLBÜ 2 x 2-6

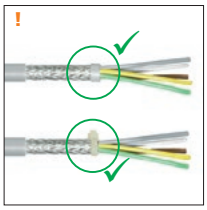
KLBÜ 3-8

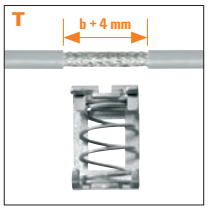
KLBÜ 4-13.5

KLBÜ 10-20

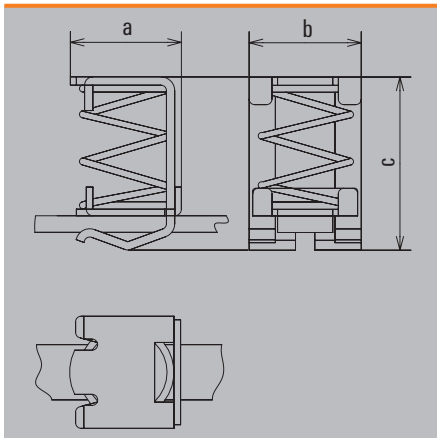
KLBÜ 15-32







KLBÜ



Ordering data

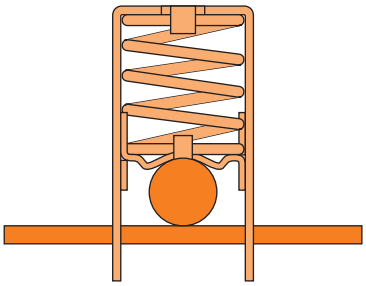
Type	for cable diameters	Dimensions (a x b x c) mm	Qty.	Order No.
Clamping bracket				
KLBUE 2X2-6	2...6 mm	15 / 18 / 24	10	**1675350000**
KLBUE 3-8	3...8 mm	14.5 / 18.5 / 26	10	**1600480000**
KLBUE 4-13.5	4...13.5 mm	20.5 / 22 / 31.5	10	**1592810000**
KLBUE 10-20	10...20 mm	24 / 26 / 40	10	**1600490000**
KLBUE 15-32	15...32 mm	33.5 / 32 / 64	10	**1716300000**

Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	**0348900000**

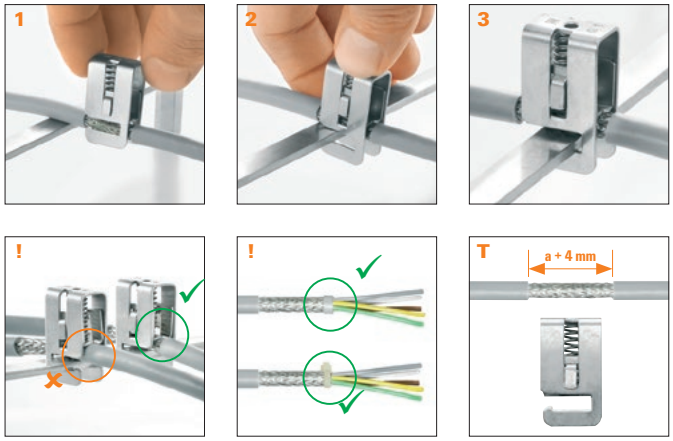
Note

Clamping bracket

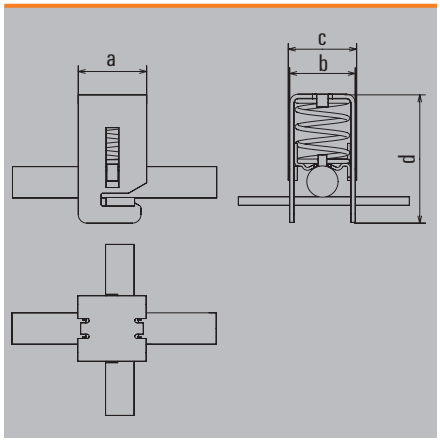
Cable attached to the busbar from above



KLBÜ CO 1 | KLBÜ CO 2 | KLBÜ CO 3 | KLBÜ CO 4 | KLBÜ CO 5



KLBÜ CO



Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
Clamping bracket				
KLBUE CO 1	3...10 mm	18 / 12 / 13.2 / 32	10	**1753311001**
KLBUE CO 2	4...15 mm	18 / 20 / 21.1 / 41.6	10	**1752131001**
KLBUE CO 3	10...20 mm	25 / 23 / 24 / 45	10	**1749151001**
KLBUE CO 4	15...28 mm	32 / 31 / 25 / 56	10	**1749161001**
KLBUE CO 5	20...37 mm	35.5 / 40 / 42.7 / 64.5	10	**1755081001**

Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	**0348900000**

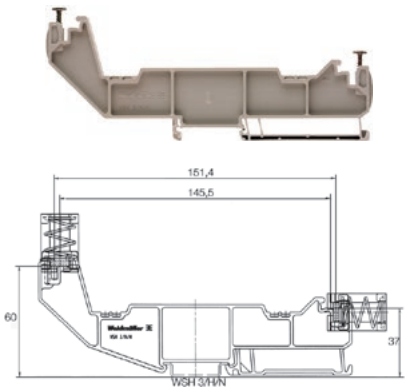
Note

Shielding and earthing
Shield clamping saddle

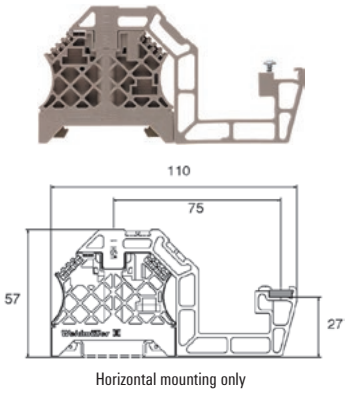
Rail support

Isolated mounting on TS 35

Type WSH 1

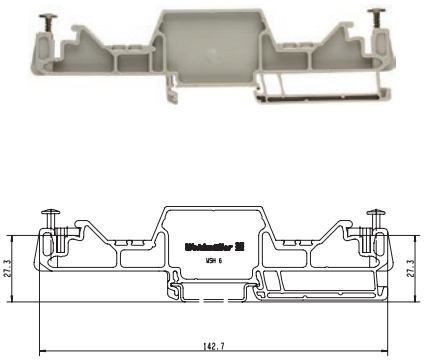


Type WSH 3/H/N

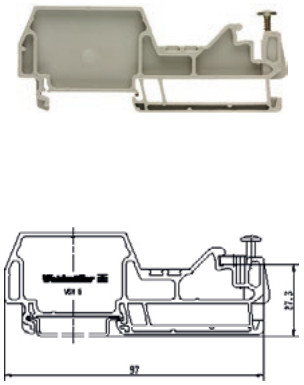


Horizontal mounting only

Type WSH 5



Type WSH 6



WSH

Ordering data

Type	Width	Qty.	Order No.
Rail support			
WSH 1	8 mm	10	**1068700000**
WSH 3/H/N	8 mm	10	**1715970000**
WSH 5	8 mm	10	**1080100000**
WSH 6	8 mm	10	**1080200000**

Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	**0348900000**

Note

Rail support

Conductive mounting on TS 35

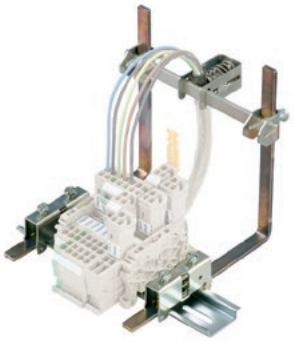
TS 35 clip

Busbar connector
BFEH 1/WSH

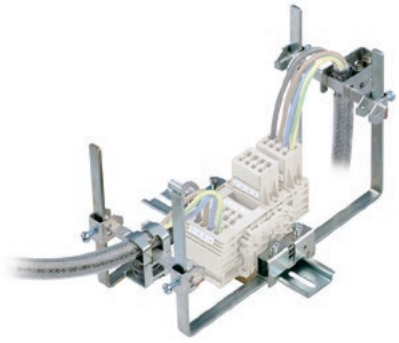
Angled rail
SMSE WSH U1MT

Angled rail
SMSE WSH 135/60 MT

Example assembly 1
- one busbar
- 2 x WSH 19 MT busbar support set



Example assembly 2
- two busbars
- 2 x WSH 18 MT busbar support sets



WSH

Ordering data

Type	Dimensions (H x W x D) mm	Qty.	Order No.
TS 35 clip			
BS 35/WSH 2	52 / 13 / 37	10	**1760720000**
Busbar connector			
BFEH 1/WSH	20 / 13.5 / 31	10	**1082400000**
Angled rail			
SMSE WSH U1 MT	134 / 10 / 134	10	**1083900000**
SMSE WSH 135/60 MT	123.5 / 10 / 3	10	**1246990000**
Rail support sets			
WSH 18 MT		10	**1083100000**
WSH 19 MT		10	**1083200000**

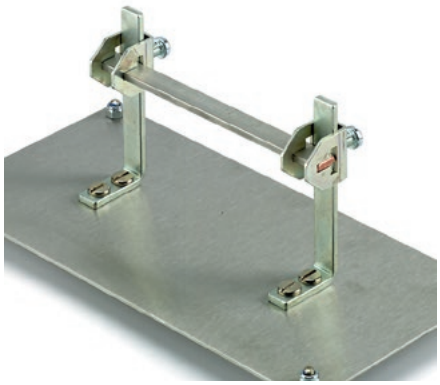
Type	Length	Material	Qty.	Order No.
Busbar 10 x 3 (140 A)				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	**0348900000**

Note

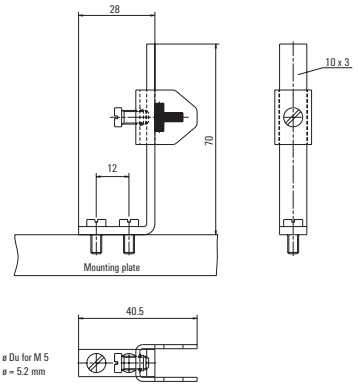
Shielding and earthing
Shield clamping saddle

Rail support / Spacer

Rail support



Set (WSH 4 MT) comprising:
- 1 busbar anglel
- 1 busbar connector (BFEH 1 / WSH)



Spacer

M6 outer and inner threads
(in 15 mm, 20 mm and 30 mm lengths)

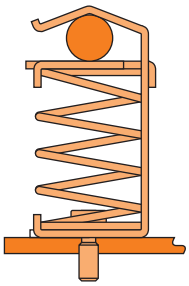
WSH 4 MT / SP

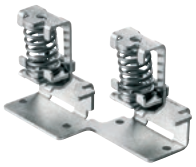
Ordering data

Type	Length	Qty.	Order No.
Busbar support			
WSH 4 MT		10	**1079900000**
SH 4C		10	**1340870000**
Spacer			
SP M6 15 MSZN	15 mm	2	**3896100000**
SP M6 20 MSZN	20 mm	2	**3896200000**
SP M6 30 MSZN	30 mm	2	**3896300000**

Note

Clamping bracket





SCH-1-WB

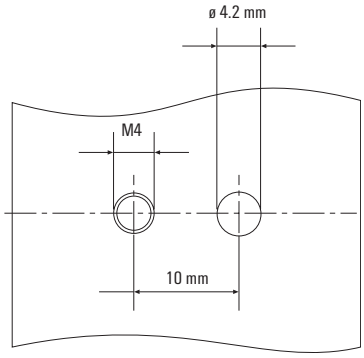
KLBÜ 3-8 SC

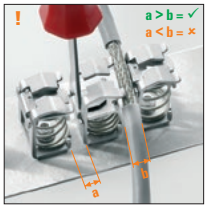
KLBÜ 4-13,5 SC

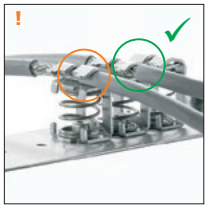
KLBÜ 10-20 SC

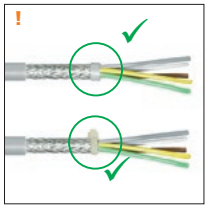
KLBÜ 15-32 SC

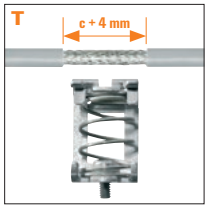
Drilling template KLBÜ 15-32 SC



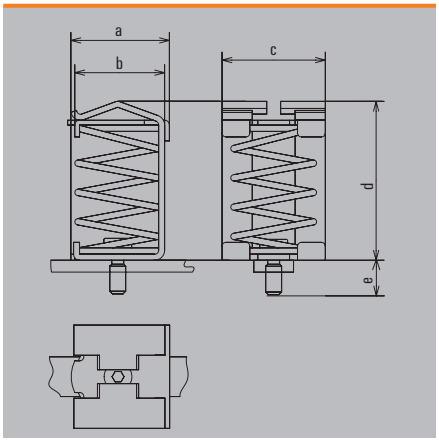








KLBÜ SC



Ordering data

Type	for cable diameters	Length of thread	Dimensions (a x b x c x d) mm	Qty.	Order No.
Clamping bracket					
SCH-1-WINBLOC				5	**1739890000**
KLBUE 3-8 SC	3...8 mm	5.65 mm	14.5 / / 18.5 / 26	10	**1692261001**
KLBUE 4-13.5 SC	4...13.5 mm	5.3 mm	20.1 / / 22 / 31.45	10	**1712311001**
KLBUE 10-20 SC	10...20 mm	5.3 mm	23.6 / / 26 / 40	10	**1712321001**
KLBUE 15-32 SC	15...32 mm	4.8 mm	33.25 / / 32 / 63.9	10	**1718341001**
Self-tapping screw					
KLBUE 3-8 SDSC	3...8 mm		14.4 / / 18 / 25.9	10	**1835840000**

Type	Qty.	Order No.
Operating tool		
BTWZ KLBUE	1	**1742630000**

Note

FM 4-foot / Clamping bracket holder

FM 4 foot

KLBÜ SC-type clamping brackets
(see previous page)
are screwed on to the **FM 4**foot

KLBÜ 4-13.5 FM4

Clamping bracket holder

BS 35 II (without KLBÜ)

BS 35 II / KLBÜ 3-8

BS 35 II / KLBÜ 3-8 / 2 x 2-6

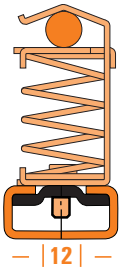
FM 4 / BS 35 II

Ordering data

Type	for cable diameters	Qty.	Order No.
FM 4 foot			
FM 4/TS35		40	**0687900000**
Clamping bracket fitted with FM 4 foot			
KLBUE 3-8 FM4	3...8 mm	10	**1252530000**
KLBUE 4-13.5 FM4	4...13.5 mm	10	**1252520000**
KLBUE 10-20 FM4	10...20 mm	10	**1252510000**
KLBUE 15-32 FM4	15...32 mm	10	**1252490000**
Clamping bracket holder			
BS 35II KLBUE HOLDER		10	**1723800000**
BS 35II KLBUE3-8	3...8 mm	10	**1723810000**
BS 35II/KLBUE 4-13.5	4...13.5 mm	10	**1723820000**
BS 35II KLBUE3-8/2X2-6	3...8 mm	10	**1749430000**
BS 35II KLBUE2X3-8/2X2-6	3...8 mm	10	**1768020000**

Note

Clamping bracket

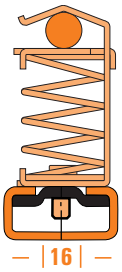


KLBÜ 3-8 CPF

KLBÜ 4-13,5 CPF

KLBÜ 10-20 CPF

KLBÜ 15-32 CPF



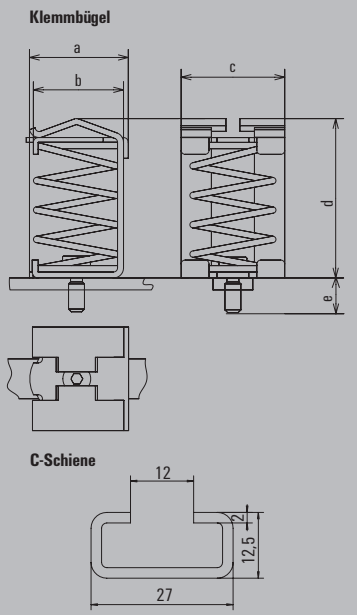
KLBÜ 3-8 CPF

KLBÜ 4-13,5 CPF

KLBÜ 10-20 CPF

KLBÜ 15-32 CPF

KLBÜ CPF



Ordering data

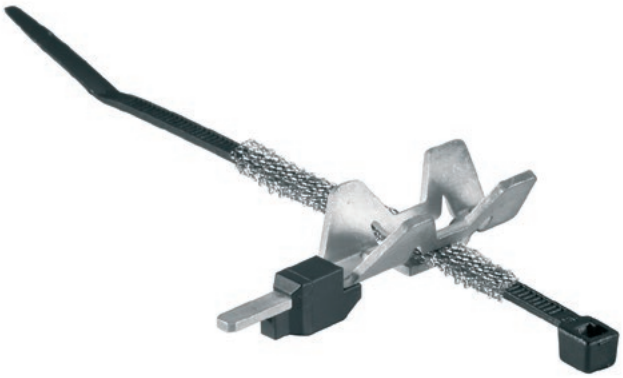
Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
Type for 12 mm profile				
KLBUE 3-8 CPF	3...8 mm	14.5 / 13.5 / 18 / 26	10	**1752681001**
KLBUE 4-13.5 CPF	4...13.5 mm	20.5 / 19 / 22 / 31.5	10	**1752691001**
KLBUE 10-20 CPF	10...20 mm	24 / 22.5 / 26 / 39.5	10	**1752701001**
KLBUE 15-32 CPF	15...32 mm	33.5 / / 32 / 64	10	**1752711001**
Type for 16 mm profile				
KLBUE 4-13.5 CPF16	4...13.5 mm	20.1 / 18.9 / 22 / 31.45	10	**1167850000**
KLBUE 10-20 CPF16	10...20 mm	25 / 24 / 26 / 39.5	10	**1252550000**
KLBUE 15-32 CPF16	15...32 mm	34.5 / 33.5 / 32 / 64	10	**1252540000**

Type	Qty.	Order No.
C-rail		
TS 27X12.5M/ST/F.ZN	2	**1802690000**

Note

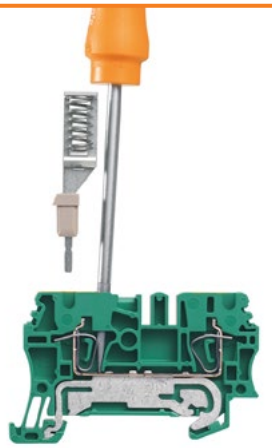
Shielding solutions for direct connection

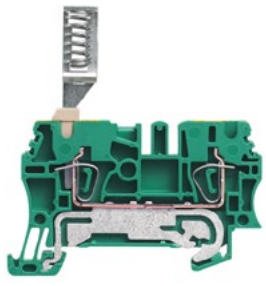
KLBÜ 4-6 Z/1



EMC-Set

KLBÜ

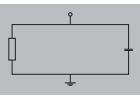
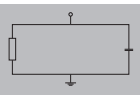




Ordering data

Type	for cable diameters	Qty.	Order No.
Type for 12 mm profile			
KLBUE 4-6 Z/1	4...6 mm	10	**2269800000**

Note	suitable for Z series 2.5 mm²

	KLBUE 10-20 RC TS 27	KLBUE 4-13.5 RC TS 27
	Clamping bracket	Clamping bracket
Width/Height/Depth mm	39.6 x 67.5 x 63.6 	37.5 x 67.5 x 55.6 

Technical data

Rated data		
Rated voltage	230 VAC	230 VAC
Conductors to be clamped:		
Cable diameter, min.	10 mm	4 mm
Cable diameter, max.	20 mm	13.5 mm
General data		
Continuous operating temp., min.	-25 °C	-25 °C
Continuous operating temp., max.	105 °C	105 °C
UL 94 flammability rating	V-0	V-0
Colour	Black, Silver grey	Black, Silver grey
Material	PA 66 GF 30	PA 66 GF 30
Component 1	Resistance 1 MΩ	Resistance 1 MΩ
Component 2	Capacitor 100 nF	Capacitor 100 nF
Installation advice	Direct mounting	Direct mounting
Note		

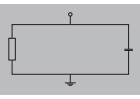
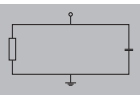
Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
for shield connection with high-pass filter	KLBUE 10-20 RC TS27	1	**1403050000**	KLBUE 4-13.5 RC TS27	1	**1403060000**
Note						

Accessories

Terminal rail	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Identification systems								
	SM 27/8 K MC NE WS		80	**1812630000**	SM 27/8 K MC NE WS		80	**1812630000**
Operating tool								
	BTWZ KLBUE		1	**1742630000**	BTWZ KLBUE		1	**1742630000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**9008330000**	SDS 0.6X3.5X100		1	**9008330000**
C-rail								
	TS 27X12.5M/ST/F.ZN		2	**1802690000**	TS 27X12.5M/ST/F.ZN		2	**1802690000**

For detailed information on other accessories and application in the online catalogue

	KLBUE 3-8 RC TS 35	KLBUE 3-8 RC TS 27
	Clamping bracket	Clamping bracket
Width/Height/Depth mm	35 x 67.5 x 50 	35 x 67.5 x 50 

Technical data

Rated data		
Rated voltage	230 VAC	230 VAC
Conductors to be clamped:		
Cable diameter, min.	3 mm	3 mm
Cable diameter, max.	8 mm	8 mm
General data		
Continuous operating temp., min.	-25 °C	-25 °C
Continuous operating temp., max.	105 °C	105 °C
UL 94 flammability rating	V-0	V-0
Colour	Black, Silver grey	Black, Silver grey
Material	PA 66 GF 30	PA 66 GF 30
Component 1	Resistance 1 MΩ	Resistance 1 MΩ
Component 2	Capacitor 100 nF	Capacitor 100 nF
Installation advice	Direct mounting	Direct mounting
Note		

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
for shield connection with high-pass filter	KLBUE 3-8 RC TS35	1	**1402830000**	KLBUE 3-8 RC TS27	1	**1403070000**
Note						

Accessories

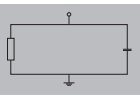
Terminal rail	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
	TS 35X7.5 2M/ST/ZN		2	**0383400000**				
	TS 35X7.5/LL 2M/ST/ZN		2	**0514500000**				
	TS 35X15/LL 2M/ST/ZN		2	**0236500000**				
Identification systems								
	SM 27/8 K MC NE WS		80	**1812630000**	SM 27/8 K MC NE WS		80	**1812630000**
Operating tool								
	BTWZ KLBUE		1	**1742630000**	BTWZ KLBUE		1	**1742630000**
Tools								
	IS 4 KG		1	**1806660000**	IS 4 KG		1	**1806660000**
Screwdriver								
Standard	SDS 0.6X3.5X100		1	**9008330000**	SDS 0.6X3.5X100		1	**9008330000**
C-rail								
					TS 27X12.5M/ST/F.ZN		2	**1802690000**

For detailed information on other accessories and application in the online catalogue

KLBUE 10-20 RC TS 35

Clamping bracket

39.6 x 67.5 x 63.6



230 VAC	
10 mm	
20 mm	
-25 °C	
105 °C	
V-0	
Black, Silver grey	
PA 66 GF 30	
Resistance 1 MΩ	
Capacitor 100 nF	
Direct mounting	

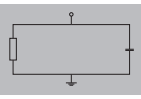
Type	Qty.	Order No.
KLBUE 10-20 RC TS35	1	**1403080000**

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	**0383400000**
TS 35X7.5/LL 2M/ST/ZN		2	**0514500000**
TS 35X15/LL 2M/ST/ZN		2	**0236500000**
SM 27/8 K MC NE WS		80	**1812630000**
BTWZ KLBUE		1	**1742630000**
IS 4 KG		1	**1806660000**
SDS 0.6X3.5X100		1	**9008330000**

KLBUE 4-13.5 RC TS 35

Clamping bracket

37.5 x 67.5 x 55.6



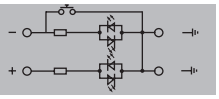
230 VAC	
4 mm	
13.5 mm	
-25 °C	
105 °C	
V-0	
Black, Silver grey	
PA 66 GF 30	
Resistance 1 MΩ	
Capacitor 100 nF	
Direct mounting	

Type	Qty.	Order No.
KLBUE 4-13.5 RC TS35	1	**1403090000**

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	**0383400000**
TS 35X7.5/LL 2M/ST/ZN		2	**0514500000**
TS 35X15/LL 2M/ST/ZN		2	**0236500000**
SM 27/8 K MC NE WS		80	**1812630000**
BTWZ KLBUE		1	**1742630000**
IS 4 KG		1	**1806660000**
SDS 0.6X3.5X100		1	**9008330000**

	ZTR 6-2 E	6 mm²

Width/Height/Depth	mm	16.2 x 70 x 50
max. current / max. cond. cross-section	A/mm²	**20 / 10**
Max. clamping range	mm²	**0.05...10**



Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	230			
Rated current	A	20			
for wire cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A5 / V-0	
Approvals		CE EAC			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...10 / 0.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...6			
Twin wire-end ferrule	-				
Stripping length / Blade size	mm/-	12 / 0.6 x 3.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige, 230 V UC	ZTR 6-2 E / 230V UC	10	**8817930000**
dark beige, 24 V DC	ZTR 6-2 E / 24V DC	10	**8817920000**
Note			

Accessories

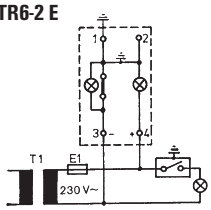
	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP ZDU6-2		50	**1771440000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Test adapter				
With spigot	ZTA 7/ZA		25	**1780670000**
Screwdriver				
Standard	SDIS 0.6X3.5X100		1	**9008390000**

For detailed information on other accessories and application in the online catalogue

Operation mode

Operating mode

ZTR6-2 E

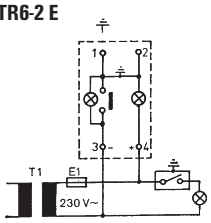


- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

Test position

When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must first be disconnected.

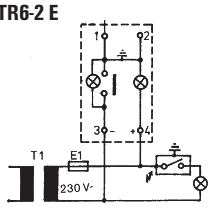
ZTR6-2 E



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must be disconnected.

Operational malfunction

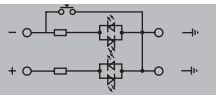
ZTR6-2 E



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

WTR 35 E | 35 mm²

Width/Height/Depth	mm	32 x 100 x 67.5
max. current / max. cond. cross-section	A	**125 / 35**
Max. clamping range	mm²	**4...35**



Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	-			
Rated current	A	125		
for wire cross-section	mm²	35		
Rated impulse withstand voltage / Pollution severity			0.8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B9 / V-0	
Approvals				
Clamped conductors (H05V/H07V)				
Solid / Stranded	mm²			
Flexible / Flexible with ferrule	mm²			
Tightening torque (clamping screw for copper conductors)	-			
Stripping length / Blade size	mm/-			

Note	Rated connection
	4...16 / 10...35
	4...35 / 4...35
	/ (M 6)
	18 / 1.2 x 6.5 mm

Ordering data

Version	Type	Qty.	Order No.
dark beige, 24 V DC	WTR 35 E	5	**1045970000**

Note

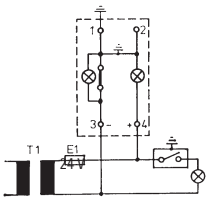
Accessories

End bracket	Type	current	Qty.	Order No.
dark beige	WEW 35/1		50	**1059000000**
Screwdriver				
Standard	SDS 1.2X6.5X150		1	**9009010000**
Identification systems				
	WS 12/6 MC NE WS		600	**1609900000**

For detailed information on other accessories and application in the online catalogue

Operation mode

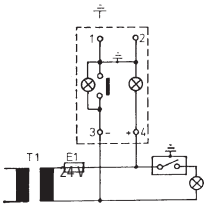
Operating mode



- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

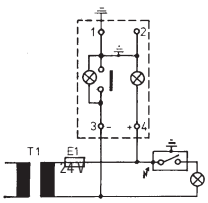
Test position

When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must first be disconnected.



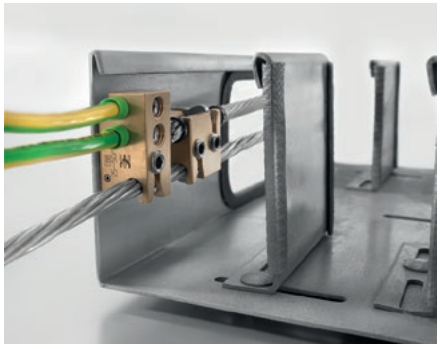
- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than U_{Nom}, the earth connection must be disconnected.

Operational malfunction

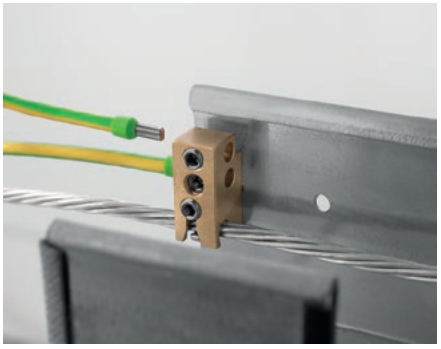


- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

Potential equalisation terminal block



Low installation height



Additional connection up to 16 mm²

Good visibility of the clamping screws

Technical data

Connection direction	on side
Tightening torque, min.	5 Nm
Clamping screw	M 6
Connection cross-section, flexible, min. / max.	10…50 mm²

Note

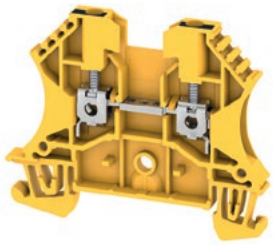
Ordering data

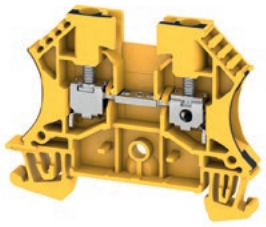
Type	Stripping length	Number of connections	Conductor min. / max.	Qty.	Order No.
Screw connection					
JB 25-50	33	2	10…50	10	**1547500000**
EBB 25-50/16	20	3	16 / 10…50	10	**1547490000**

Type	Description of article	Qty.	Order No.
SK WSD-S 1,5-10,0	Screwing tool	1	**9008850000**

Note

	WDU 2.5	WDU 4
	2.5 mm²	4 mm²





Width/Height/Depth	5.1 x 60 x 46.5	6.1 x 60 x 46.5
max. current / max. cond. cross-section	**32 / 4**	**41 / 6**
Max. clamping range	**0.05...4**	**0.13...6**

Technical data

Rated data		
Rated voltage	V	
Rated current	A	
for wire cross-section	mm²	
Rated impulse withstand voltage / Pollution severity		
Gauge to IEC 60947-1 / UL 94 flammability rating		
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm²	
Flexible / Flexible with ferrule	mm²	
Tightening torque (clamping screw for copper conductors)	-	
Stripping length / Blade size	mm/-	
2 conductors with same cross-section (H05V/H07V)		
Solid / Stranded	-	
Flexible / Flexible with ferrule	mm²	

WDU 2.5	WDU 4
IEC 60947-7-1 Ex e II II 2 G D	IEC 60947-7-1 Ex e II II 2 G D
IEC: 800 / 24 / 2.5	IEC: 800 / 32 / 4
UL: –	UL: –
CSA: 8 kV / 3 / A3 / V-0	CSA: 8 kV / 3 / A4 / V-0
EN 60079-7: –	EN 60079-7: 690 / 32 / 4 mm²
	CE EAC DEMKO14ATEX1338U
Rated connection: 0.5...4 / 1.5...4	Rated connection: 0.5...6 / 1.5...6
Further connection: 0.5...4 / 0.5...2.5	Further connection: 0.5...6 / 0.5...4
0.4...0.8 Nm / (M 2.5)	0.5...1 Nm / (M 3)
10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
	0.5...2.5
0.5...1.5 / 0.5...1.5	0.5...1.5 / 0.5...1.5
Note	
	Note max. current of terminal (41 A) when using WQV!

Ordering data

Version	WDU 2.5	WDU 4
	yellow/black	
Note		

Type	Qty.	Order No.
WDU 2.5 GE/SW	100	**2429520000**
WDU 4 GE/SW	100	**1020190000**
		Rated voltage is 400 V when using the ZQV cross-connector

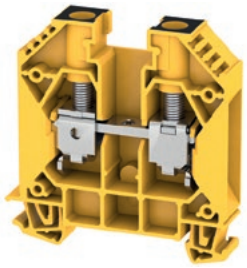
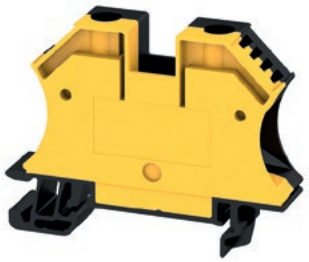
Accessories

	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5N/2	24 A	60	**1527540000**
10-pole	ZQV 2.5N/10	24 A	20	**1527690000**
2-pole				
10-pole				
Screwable cross-connection				
2-pole	WQV 2.5/2	32 A	50	**1053660000**
10-pole	WQV 2.5/10	32 A	20	**1054460000**
End plate / Partition plate				
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Testing / Checking				
Standard	WTA 2 WDU2.5-10		25	**1632320000**
With spigot	WTA 2/ZA WDU2.5-10		25	**1632330000**
Cover				
Blank, yellow	WAD 5 MC NE GE		48	**1112920000**
Blank, white	WAD 5 MC NE WS		48	**1112910000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**
	DEK 5/5 MM WS		800	**2007110000**
	WS 8/5 MM WS		800	**2007150000**

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	**1527930000**
ZQV 4N/10	32 A	20	**1528090000**
WQV 4/2	32 A	50	**1051960000**
WQV 4/10	41 A	20	**1052060000**
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WAP 16+35 WTW 2.5-10		20	**1050100000**
WAP 16+35 WTW 2.5-10 BL		20	**1050180000**
WEW 35/2		100	**1061200000**
WTA 3 WDU4		25	**1632350000**
WTA 3/ZA WDU4		25	**1632360000**
WAD 5 MC NE GE		48	**1112920000**
WAD 5 MC NE WS		48	**1112910000**
WS 12/6 MC NE WS		600	**1609900000**
DEK 5/6 MM WS		600	**2007120000**
WS 8/6 MM WS		600	**2007160000**

For detailed information on other accessories and application in the online catalogue

Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000.

	WDU 16	16 mm²	WDU 16N	16 mm²
				
Width/Height/Depth mm	11.9 x 60 x 62.5		12 x 60 x 46.5	
max. current / max. cond. cross-section A/mm²	**101 / 25**		**101 / 25**	
Max. clamping range mm²	**0.82...25**		**1.5...25**	

Technical data

	WDU 16				WDU 16N			
Rated data								
Rated voltage V	IEC 60947-7-1			Ex e II II 2 G D	IEC 60947-7-1			
Rated current A	**IEC**	**UL**	**CSA**	**EN 60079-7**	**IEC**	**UL**	**CSA**	**EN 60079-7**
for wire cross-section mm²	1000			690	690	600		
Rated impulse withstand voltage / Pollution severity	76			76	76	70		
Gauge to IEC 60947-1 / UL 94 flammability rating	16			16 mm²	16	AWG 14...6		
Approvals			8 kV / 3				8 kV / 3	
			B7 / V-0				B7 / V-0	
				DEMKO14ATEX1338U				
Clamped conductors (H05V/H07V)	**Rated connection**		**Further connection**		**Rated connection**		**Further connection**	
Solid / Stranded mm²	1.5...16 / 1.5...25				1.5...16 / 1.5...25			
Flexible / Flexible with ferrule mm²	1.5...25 / 1.5...16				1.5...16 / 1.5...16			
Tightening torque (clamping screw for copper conductors) -	3...4 Nm / (M 5)				1.2...2.4 Nm / (M 4)			
Stripping length / Blade size mm/-	16 / 1.0 x 5.5 mm				12 / 1.0 x 5.5 mm			
2 conductors with same cross-section (H05V/H07V)								
Solid / Stranded -								
Flexible / Flexible with ferrule mm²	1.5...4 / 1.5...4							
Note								

Ordering data

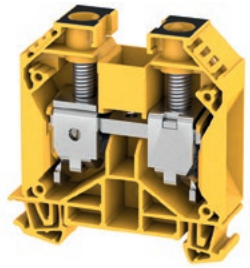
	WDU 16			WDU 16N		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
yellow/black	WDU 16 GE/SW	50	**2000040000**	WDU 16N GE/SW	50	**2000050000**
Note						

Accessories

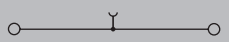
	WDU 16				WDU 16N			
Screwable cross-connection	**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
2-pole	WQV 16/2	76 A	50	**1053260000**	WQV 16N/2	76 A	50	**1636560000**
3-pole								
4-pole					WQV 16N/4	76 A	50	**1636580000**
10-pole	WQV 16/10	76 A	10	**1053360000**				
End plate / Partition plate								
dark beige	WAP 16+35 WTW 2.5-10		20	**1050100000**	WTW EN		20	**1058800000**
Blue	WAP 16+35 WTW 2.5-10 BL		20	**1050180000**				
End bracket								
dark beige	WEW 35/1		50	**1059000000**	WEW 35/2		100	**1061200000**
Cover								
With lightning flash symbol	WAD 12 M.BL.		50	**1055960000**	WAD 12N GE BED		50	**1073200000**
Blank, white	WAD 12 NEUTRAL		50	**1056260000**	WAD 12N WS		50	**1073290000**
Additional connection								
4 mm²								
10 mm²								
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 10/12 MC NE WS		300	**1905970000**
Testing / Checking								
Standard					WTA 2 WDU2.5-10		25	**1632320000**

For detailed information on other accessories and application in the online catalogue

WDU 35 — 35 mm²



16 x 60 x 62.5
150 / 50
2.5...50



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000			690
125			115
35			35 mm²
	8 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35 GE/SW	40	2000060000

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

WDU 35N — 35 mm²

16 x 66 x 50.5
150 / 50
2.5...50

IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
500			352
125			110
35			35 mm²
	6 kV / 3		
	B8 / V-0		
			DEMKO14ATEX1338U

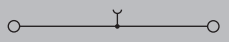
Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35N GE/SW	20	2000090000

Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	1079200000
WQV 35N/4	101 A	20	1079400000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 16N GE BED		50	1083600000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

WDU 50N — 50 mm²

18.5 x 70 x 69.6
192 / 70
10...70



IEC 60947-7-1 — Ex e II — II 2 G D

IEC	UL	CSA	EN 60079-7
1000			690
150			126
50			50 mm²
	8 kV / 3		
	B10 / V-0		
			DEMKO14ATEX1338U

Rated connection	Further connection
6...16 / 6...70	
10...50 / 6...50	
3.5...6 Nm / (M 6)	
24 / S4 (DIN 6911)	

Type	Qty.	Order No.
WDU 50N GE/SW	10	2000080000

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

	WDU 70N/35	70 mm²	WDU 95N/120N	120 mm²

Width/Height/Depth	mm	20.5 x 75 x 85	27 x 91 x 90
max. current / max. cond. cross-section	A/mm²	**232 / 95**	**290 / 150**
Max. clamping range	mm²	**16...95**	**16...150**

Technical data

Rated data							
Rated voltage	V	IEC 60947-7-1		Ex e II	II 2 G D	IEC 60947-7-1	Ex e II	II 2 G D
Rated current	A	1000	600		690	1000		880
for wire cross-section	mm²	192	150		184	269		221
Rated impulse withstand voltage / Pollution severity		70	AWG 6...0		70 mm²	120		120 mm²
Gauge to IEC 60947-1 / UL 94 flammability rating			8 kV / 3				8 kV / 3	
Approvals			B11 / V-0				B13 / V-0	
Clamped conductors (H05V/H07V)			DEMKO14ATEX1338U				DEMKO14ATEX1338U	
Solid / Stranded	mm²	**Rated connection**	**Further connection**			**Rated connection**	**Further connection**	
Flexible / Flexible with ferrule	mm²	16...16 / 16...95				16...16 / 16...150		
Tightening torque (clamping screw for copper conductors)	-	16...70 / 16...70				16...120 / 16...95		
Stripping length / Blade size	mm/-	8...12 Nm / (M 8)				12...20 Nm / (M 10)		
2 conductors with same cross-section (H05V/H07V)		22 / S6 (DIN 6911)				27 / S6 (DIN 6911)		
Solid / Stranded	-							
Flexible / Flexible with ferrule	-							
Note								

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
yellow/black	WDU 70N/35 GE/SW	10	**2000100000**	WDU 95N/120N GE/SW	5	**2000110000**
Note						

Accessories

	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Screwable cross-connection								
2-pole	WQV 70N/2	192 A	5	**9512240000**	WQV 95N/120N/2	269 A	5	**1826890000**
3-pole	WQV 70N/3	192 A	5	**9512250000**	WQV 95N/120N/3	269 A	5	**1826900000**
4-pole	WQV 70N/4	192 A	5	**9531290000**	WQV 95N/120N/4	269 A	5	**1826910000**
End bracket								
dark beige	WEW 35/1		50	**1059000000**	WEW 35/1		50	**1059000000**
Cover								
With lightning flash symbol	WAD 20 GE WSD		10	**9512260000**	WAD 20 GE WSD		10	**9512260000**
Additional connection								
10 mm²	WZAD 70N		5	**1964830000**	WZAD 95N/120N		5	**1859580000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/6.5 MC NE WS		540	**1609920000**	WS 12/6.5 MC NE WS		540	**1609920000**

For detailed information on other accessories and application in the online catalogue

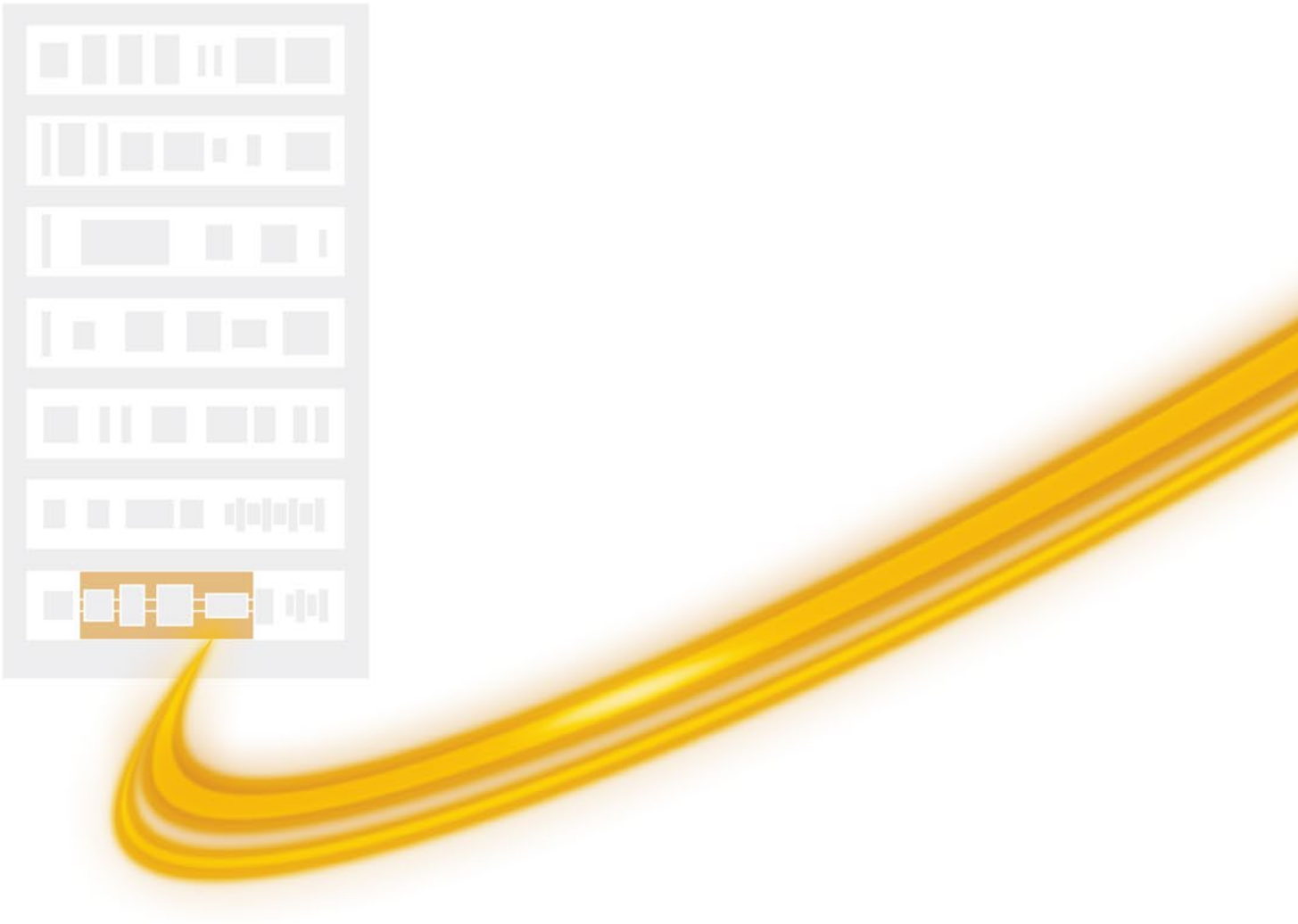
Compact planning, structured wiring

Klippon® Connect makes your installation wiring more effective

Installation wiring poses particular challenges in terms of the design of terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our terminal blocks for building installations meet all requirements here. For example, the PUSH IN technology allows a particularly compact design while retaining its clarity, thus enabling simple and safe wiring of your building infrastructure.

Our promise

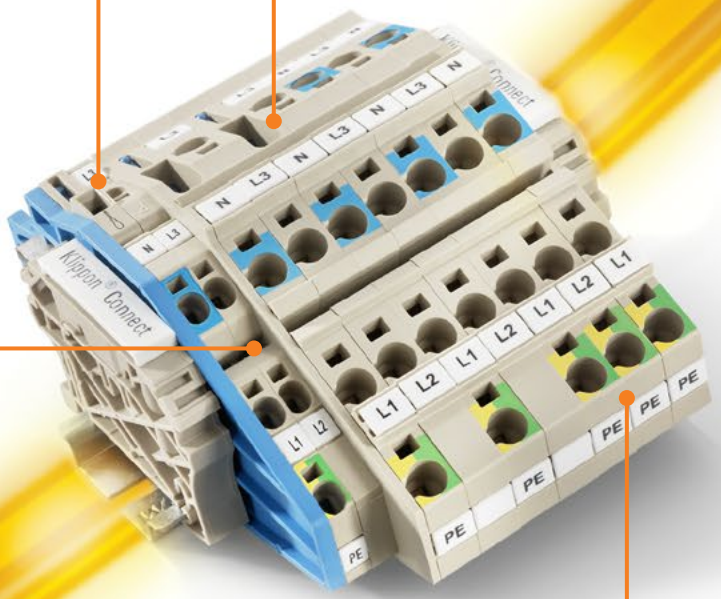
Our terminal blocks open up added-value options when it comes to wiring your building infrastructure. Thanks to the wide product range and the comfortable handling of the PUSH IN terminal blocks, Klippon® Connect helps improve flexibility and efficiency even from the planning phase.



Time saving
- Simple configuration and ordering of terminal strips using the Weidmüller Configurator
- More flexibility: it is simple to replace the PDL PUSH IN terminal blocks in the group
- The screwless N-separator slides to save time
- Cross-connections possible despite compact design

Space saving
- Really compact design of PUSH IN terminal blocks
- Neutral busbars for all terminals at the same level
- Simple handling: asymmetric structure of the PUSH IN terminal blocks enables a neutral conductor to be bypassed

Flexibility
- 3-phase cross-connection system with L1, L2 and L3 potentials within a terminal strip
- High current-carrying capacity despite compact size
- Thanks to the disconnector slider, insulation can be tested without disconnecting the neutral connector



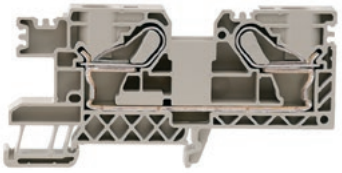
Safety
- Quick and safe: protection against accidental actuation
- PE contact foot with automatic contacting via terminal rail
- Single power circuit separation acc. to VDE 0100/718
- In complianced with VDE 0100/0810 wiring and connection requirements for distribution systems in public buildings

Our range

The right solution for every requirement:
For building installation, we offer a perfectly tailored overall system based on 10×3 copper rails. These consist of installation, distribution and neutral conductor terminals in various connection technologies and an extensive range of accessories.

More effective wiring with PUSH IN:
Our PUSH IN terminal blocks for building and plant installation are impressively easy to handle and very flexible. This comprehensive range covers all the important terminal block functions and offers you significant benefits in all processes. You will benefit from reduced installation times, as well as increased performance data and clarity, thanks to the compact design.

PDU 16S — 16 mm²



Width/Height/Depth	mm	12.1 x 96.5 x 47.5
max. current / max. cond. cross-section	-/mm²	**/ 16**
Max. clamping range	mm²	**2.5...16**

Technical data

Rated data	IEC	UL	CSA	EN 60079-7
Rated voltage V	800			
Rated current A	76			
for wire cross-section mm²	16			
Rated impulse withstand voltage / Pollution severity			8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			B6 / V-0	
Approvals				

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	2.5...16
Flexible / Flexible with ferrule mm²	2.5...16 / 2.5...16
Twin wire-end ferrule -	
Stripping length / Blade size mm/-	18 / 1.0 x 5.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDU 16S	25	1139580000
blue	PDU 16S BL	25	2062900000

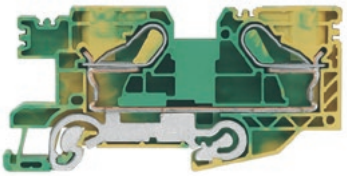
Note

Accessories

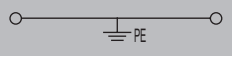
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 16/2	76 A	25	1739690000
End plate / Partition plate				
dark beige	PAP PDU16S		10	1139910000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 1.0X5.5X125		1	1274680000
Cover				
With lightning flash symbol	PAD 16/4		80	1916170000
Identification systems				
	WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

PPE 16S — 16 mm²



Width/Height/Depth	mm	12.1 x 96.5 x 47.5
max. current / max. cond. cross-section	-/mm²	/ 16
Max. clamping range	mm²	2.5...16



Technical data

IEC 60947-7-2

Rated data	IEC	UL	CSA	EN 60079-7
for wire cross-section mm²	16			
Rated voltage to adjoining terminal V	800			
Rated impulse withstand voltage to adjacent terminal kV	8			
Rated short-time current		1920 A (16 mm²)		
Pollution severity		3		
UL 94 flammability rating		V-0		
Approvals	EAC			

Clamped conductors (H05V/H07V)	Rated connection
Solid / Stranded mm²	2.5...16
Flexible / Flexible with ferrule mm²	2.5...16 / 2.5...16
Blade size	1.0 x 5.5 mm

Note	

Ordering data

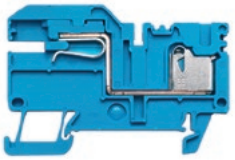
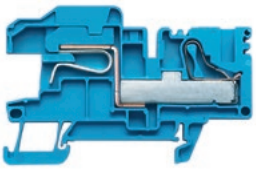
Version	Type	Qty.	Order No.
green/yellow	PPE 16S	10	1139570000

Note	

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 16/2	76 A	25	1739690000
End plate / Partition plate				
dark beige	PAP PDU16S		10	1139910000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 1.0X5.5X125		1	1274680000
Cover				
With lightning flash symbol	PAD 16/4		80	1916170000
Identification systems				
	WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue	

	PNT 2.5/4	4 mm²	PNT 6/10	10 mm²
	PUSH IN		PUSH IN	
				
Width/Height/Depth mm	5.1 x 63.5 x 47.75		8.1 x 72.5 x 46	
max. current / max. cond. cross-section -/mm²	/ 6		/ 10	
Max. clamping range mm²	0.08...6		1.5...10	

Technical data

	PNT 2.5/4				PNT 6/10			
Rated data								
	In accordance with IEC 60947-7-1				In accordance with IEC 60947-7-1			
	IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
Rated voltage V	250				250			
Rated current A	32				41			
for wire cross-section mm²	4				10			
Rated impulse withstand voltage / Pollution severity			4 kV / 3				8 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0				A4 / V-0	
Approvals	CE EAC GL				CE EAC GL KEUR			
Clamped conductors (H05V/H07V)								
	Rated connection				**Rated connection**			
Solid / Stranded mm²	0.5...6				1.5...6			
Flexible / Flexible with ferrule mm²	2.5...4 / 0.5...4				1.5...10 / 1.5...10			
Twin wire-end ferrule -	...1.5							
Stripping length / Blade size mm/-	12 / 3.0 x 0.5 mm				14 / 0.6 x 3.5 mm			
Note								

Ordering data

	PNT 2.5/4			PNT 6/10		
Version	**Type**	**Qty.**	**Order No.**	**Type**	**Qty.**	**Order No.**
blue	PNT 2.5/4	50	**1896360000**	PNT 6/10	25	**1896370000**
Note						

Accessories

	PNT 2.5/4				PNT 6/10			
Pluggable cross-connection	**Type**	**current**	**Qty.**	**Order No.**	**Type**	**current**	**Qty.**	**Order No.**
2-pole	ZQV 2.5/2		60	**1608860000**	ZQV 6N/2		60	**1906210000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**	ZQV 6N/3		60	**1906220000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**	ZQV 6N/4		60	**1906230000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**				
20-/24-pole	ZQV 2.5/20	24 A	20	**1908960000**	ZQV 6N/20		20	**1906240000**
Support bracket for 10 x 3 (required every 20 cm)								
Blue	PHP PNT 2.5/4		20	**1896390000**	PHP PNT 6/10		10	**1896100000**
For a vertical installation position	PHP PNT 2.5/4 SO		20	**1916790000**	PHP PNT 6/10 SO		10	**1919710000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Screwdriver								
Standard	SDS 0.5X3.0X80		1	**9008320000**	SDS 0.5X3.0X80		1	**9008320000**
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars								
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL		50	**1814660000**	ZF 4 S BL		50	**1814660000**
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	**0502880000**	ZB 16K BL		50	**0502880000**
Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**	ZB 35/M6X16		20	**0266500000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**				
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/8 PLUS MC NE WS		420	**1905950000**

For detailed information on other accessories and application in the online catalogue

PNT 16 — 16 mm²

PUSH IN

12.1 x 80.5 x 49.5
/ 16
2.5...16

In accordance with IEC 60947-7-1

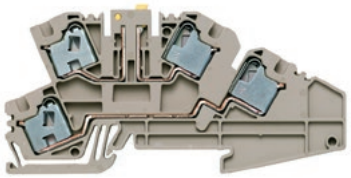
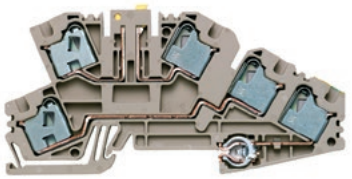
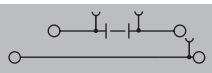
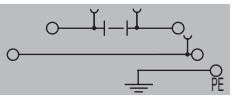
IEC	UL	CSA	EN 60079-7
400			
76			
16			
	8 kV / 3		
	B6 / V-0		

CE EAC GL KEMA KEUR

Rated connection
2.5...16
2.5...16 / 2.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
PNT 16	10	**1896350000**

Type	current	Qty.	Order No.
PHP PNT16		10	**1896380000**
PHP PNT16 SO		10	**1919690000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZF 4 S BL		50	**1814660000**
ZB 16K BL		50	**0502880000**
ZB 35/M6X16		20	**0266500000**
WS 10/12 MC NE WS		300	**1905970000**

	PDL 4/TR/DU	PDL 4/TR/DU/PE
	4 mm²	4 mm²
	With isolator	With isolator
	PUSH IN	PUSH IN
		
Width/Height/Depth mm	5.1 x 100 x 48.5	5.1 x 100 x 48.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 4
Max. clamping range mm²	0.08...4	0.08...4
		

Technical data

	PDL 4/TR/DU	PDL 4/TR/DU/PE
Rated data	IEC 60947-7-1	IEC 60947-7-1 (-7-2)
Rated voltage of feed-through terminal V	400	400
Rated current A	20	20
for wire cross-section mm²	4	4
Rated impulse withstand voltage / Pollution severity	4 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0	A3 / V-0
Approvals		
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Twin wire-end ferrule mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size mm/-	12 / 3.0 x 0.5 mm	12 / 3.0 x 0.5 mm
Note		

IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	

IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	

Ordering data

Version	PDL 4/TR/DU	PDL 4/TR/DU/PE
dark beige		
without isolator, dark beige		
Note		

Type	Qty.	Order No.
PDL 4/TR/DU	50	1899190000
Without isolator: PDL 4 TR/DU 0 TNHE Order no.: 1899210000		

Type	Qty.	Order No.
PDL 4/TR/DU/PE	50	1899200000
Without isolator: PDL 4 TR/DU/PE 0 TNHE Order no.: 1899220000		

Accessories

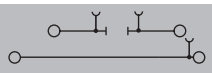
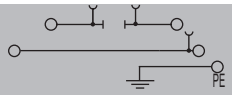
	Type	current	Qty.	Order No.
Pluggable cross-connection				
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDS 0.5X3.0X80		1	9008320000
Holder for cartridge fuse 5 x 20 mm				
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)				
without fittings	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000
Disconnect plug				
removable, as replacement for release lever	TNST		50	1833090000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

	Type	current	Qty.	Order No.
	ZQV 2.5/2		60	1608860000
	ZQV 2.5/3	24 A	60	1608870000
	ZQV 2.5/4	24 A	60	1608880000
	ZQV 2.5/10	24 A	20	1608940000
	ZQV 2.5/20	24 A	20	1908960000
	PAP PDL4		20	1883210000
	ZEW 35/2		20	8630740000
	SDS 0.5X3.0X80		1	9008320000
	SIHA 3/G20		25	7921560000
	SIHA 3/G20/LD 10-36V		25	7921570000
	SIHA 3/G20/LD 140-250V		25	7921600000
	BEST		50	1833100000
	BEST/DRBR		50	1878570000
	BEST/D		50	1878560000
	TNST		50	1833090000
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

	PDL 4/TR/DU 0 TNHE	4 mm²	PDL 4/TR/DU/PE 0 TNHE	4 mm²
	PUSH IN		PUSH IN	
Width/Height/Depth mm	5.1 x 100 x 48.5		5.1 x 100 x 48.5	
max. current / max. cond. cross-section -/mm²	/ 4		/ 4	
Max. clamping range mm²	0.08...4		0.08...4	

Technical data

Rated data		PDL 4/TR/DU 0 TNHE	PDL 4/TR/DU/PE 0 TNHE
Rated voltage of feed-through terminal	V	IEC 60947-7-1	IEC 60947-7-1 (-7-2)
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			

IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	6.3	
4	AWG 28...10	AWG 28...10	
	4 kV / 3		
	A3 / V-0		

Clamped conductors (H05V/H07V)		Rated connection	Rated connection
Solid / Stranded	mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Twin wire-end ferrule	mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm	12 / 3.0 x 0.5 mm
Note			

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige						
without isolator, dark beige	PDL 4/TR/DU 0.TNHE	50	1899210000	PDL 4/TR/DU/PE 0.TNHE	50	1899220000
Note	... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.			... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.		

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000	ZQV 2.5/10	24 A	20	1608940000
20-/24-pole	ZQV 2.5/20	24 A	20	1908960000	ZQV 2.5/20	24 A	20	1908960000
End plate / Partition plate								
dark beige	PAP PDL4		20	1883210000	PAP PDL4		20	1883210000
End bracket								
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Screwdriver								
Standard	SDS 0.5X3.0X80		1	9008320000	SDS 0.5X3.0X80		1	9008320000
Holder for cartridge fuse 5 x 20 mm								
400 V AC/DC, without LED	SIHA 3/G20		25	7921560000	SIHA 3/G20		25	7921560000
10 - 36 V AC/DC, red LED	SIHA 3/G20/LD 10-36V		25	7921570000	SIHA 3/G20/LD 10-36V		25	7921570000
140 - 250 V AC/DC, red LED	SIHA 3/G20/LD 140-250V		25	7921600000	SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max, 250 V)								
without fittings	BEST		50	1833100000	BEST		50	1833100000
with wire jumper	BEST/DRBR		50	1878570000	BEST/DRBR		50	1878570000
With 1N4007 diode	BEST/D		50	1878560000	BEST/D		50	1878560000
Disconnect plug								
removable, as replacement for release lever	TNST		50	1833090000	TNST		50	1833090000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000	WS 10/5 MC NE WS		720	1635000000

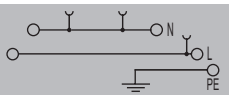
For detailed information on other accessories and application in the online catalogue

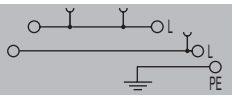
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

	PDL 4 N/L/PE	4 mm²	PDL 4 L/L/PE	4 mm²

Width/Height/Depth	5.1 x 100 x 48.35	5.1 x 100 x 48.5
max. current / max. cond. cross-section	/ 4	/ 4
Max. clamping range	0.08...4	0.08...4





Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	32	17	20	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE EAC GL			

Clamped conductors (H05V/H07V)		Rated connection
Solid / Stranded	mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4
Twin wire-end ferrule	mm²	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm

Note

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400	300	300	
Rated current	A	32	17	20	
for wire cross-section	mm²	4	AWG 28...10	AWG 28...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals		CE EAC GL			

Clamped conductors (H05V/H07V)		Rated connection
Solid / Stranded	mm²	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4
Twin wire-end ferrule	mm²	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm

Note

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDL 4/N/L/PE	50	1899180000

Note

Version	Type	Qty.	Order No.
dark beige	PDL 4/L/L/PE	50	1882610000

Note

Accessories

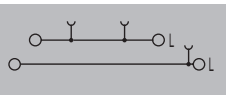
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	9008370000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate				
dark beige	PAP PDL4		20	1883210000
End bracket				
dark beige	ZEW 35/2		20	8630740000
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	9008370000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

PDL 4 L/L — 4 mm²

5.1 x 100 x 48.5
/ 4
0.08...4



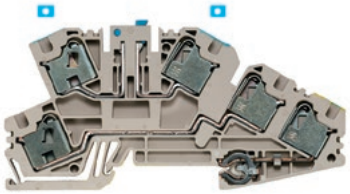
IEC	UL	CSA	EN 60079-7
400	150	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

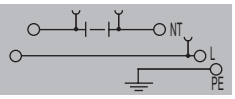
Type	Qty.	Order No.
PDL 4/L/L	50	1882590000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 NT/L/PE — 4 mm²



5.1 x 100 x 48.35
/ 4
0.08...4



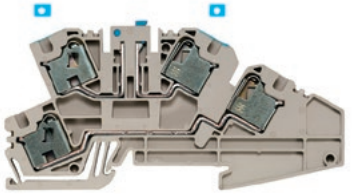
IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

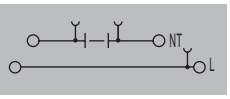
Type	Qty.	Order No.
PDL 4/NT/L/PE	50	1882620000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 NT/L — 4 mm²



5.1 x 100 x 48.35
/ 4
0.08...4



IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
	6 kV / 3		
	A3 / V-0		

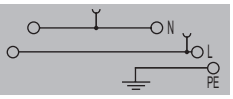
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/NT/L	50	1882600000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

	PDL 4 S/L	4 mm²	PDL 4 S/N/L/PE	4 mm²

Width/Height/Depth	mm	5.1 x 100 x 48	5.1 x 100 x 48
max. current / max. cond. cross-section	A/mm²	**36 / 4**	**36 / 4**
Max. clamping range	mm²	**0.08...4**	**0.08...4**



Technical data

Rated data		IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	32			
for wire cross-section	mm²	4			
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0	
Approvals		CE EAC KEMA			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Rated data		IEC 60947-7-1 (-7-2)			
		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	32			
for wire cross-section	mm²	4			
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				A3 / V-0	
Approvals		CE EAC KEMA			
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4			
Twin wire-end ferrule	mm²	0.5...1.5			
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm			
Note					

Ordering data

Version	Type	Qty.	Order No.
dark beige	PDL 4 S/L	50	**1847610000**
Note			

Version	Type	Qty.	Order No.
dark beige	PDL 4 S/N/L/PE	50	**1837050000**
Note			

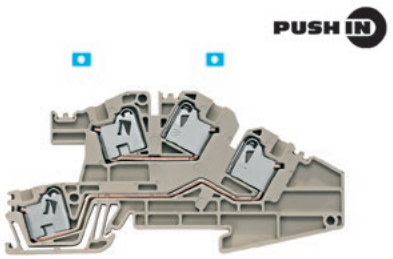
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	PAP PDL4S		20	**1837070000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	PHP PDL		20	**1837090000**
For a vertical installation position	PHP PDL SO		20	**1837080000**
End bracket				
dark beige	ZEW 35/2		20	**8630740000**
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	**9008370000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL		50	**1814660000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**

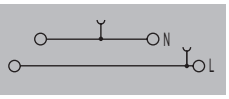
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
End plate / Partition plate				
dark beige	PAP PDL4S		20	**1837070000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	PHP PDL		20	**1837090000**
For a vertical installation position	PHP PDL SO		20	**1837080000**
End bracket				
dark beige	ZEW 35/2		20	**8630740000**
Screwdriver				
Standard	SDIS 0.4X2.5X75		1	**9008370000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL		50	**1814660000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**

For detailed information on other accessories and application in the online catalogue

PDL 4 S/N/L — 4 mm²



5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

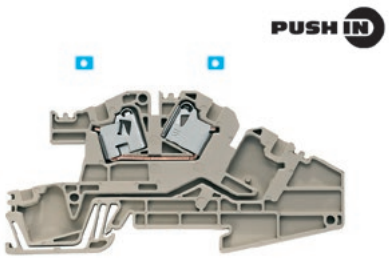
CE EAC KCC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

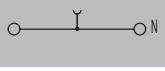
Type	Qty.	Order No.
PDL 4 S/N/L	50	**1847630000**

Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PDL4S		20	**1837070000**
PHP PDL		20	**1837090000**
PHP PDL SO		20	**1837080000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.5X75		1	**9008370000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZF 4 S BL		50	**1814660000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

PDL 4 S/N — 4 mm²



5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

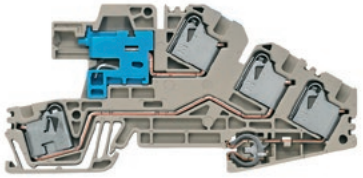
CE EAC KCC

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

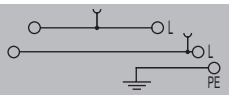
Type	Qty.	Order No.
PDL 4 S/N	50	**1847620000**

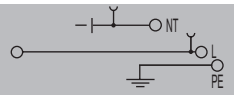
Type	current	Qty.	Order No.
ZQV 2.5/2		60	**1608860000**
ZQV 2.5/3	24 A	60	**1608870000**
ZQV 2.5/4	24 A	60	**1608880000**
ZQV 2.5/10	24 A	20	**1608940000**
PAP PDL4S		20	**1837070000**
PHP PDL		20	**1837090000**
PHP PDL SO		20	**1837080000**
ZEW 35/2		20	**8630740000**
SDIS 0.4X2.5X75		1	**9008370000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZF 4 S BL		50	**1814660000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

	PDL 4 S/L/L/PE	4 mm²	PDL 4 S/NT/L/PE	4 mm²



Width/Height/Depth	mm	5.1 x 100 x 48	5.1 x 100 x 48
max. current / max. cond. cross-section	A/mm²	36 / 4	36 / 4
Max. clamping range	mm²	0.08...4	0.08...4





Technical data

Rated data		PDL 4 S/L/L/PE	PDL 4 S/NT/L/PE
		IEC 60947-7-1 (-7-2)	In accordance with IEC 60947-7-1
		IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
Rated voltage	V	400	400
Rated current	A	32	32
for wire cross-section	mm²	4	4
Rated impulse withstand voltage / Pollution severity		6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating		A3 / V-0	A3 / V-0
Approvals		CE EAC KCS	CE EAC
Clamped conductors (H05V/H07V)		**Rated connection**	**Rated connection**
Solid / Stranded	mm²	0.5...4 / 1.5...4	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...4	0.5...4 / 0.5...4
Twin wire-end ferrule	mm²	0.5...1.5	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm	12 / 3.0 x 0.5 mm
Note			

Ordering data

Version		Type	Qty.	Order No.	Type	Qty.	Order No.
	dark beige	PDL 4 S/L/L/PE	50	1837040000	PDL 4 S/NT/L/PE	50	1837060000
Note							

Accessories

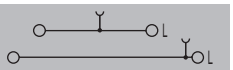
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole	ZQV 2.5/2		60	1608860000	ZQV 2.5/2		60	1608860000
3-pole	ZQV 2.5/3	24 A	60	1608870000	ZQV 2.5/3	24 A	60	1608870000
4-pole	ZQV 2.5/4	24 A	60	1608880000	ZQV 2.5/4	24 A	60	1608880000
10-pole	ZQV 2.5/10	24 A	20	1608940000	ZQV 2.5/10	24 A	20	1608940000
End plate / Partition plate								
dark beige	PAP PDL4S		20	1837070000	PAP PDL4S		20	1837070000
Support bracket for 10 x 3 (required every 20 cm)								
Blue	PHP PDL		20	1837090000	PHP PDL		20	1837090000
For a vertical installation position	PHP PDL SO		20	1837080000	PHP PDL SO		20	1837080000
End bracket								
dark beige	ZEW 35/2		20	8630740000	ZEW 35/2		20	8630740000
Screwdriver								
Standard	SDIS 0.4X2.5X75		1	9008370000	SDIS 0.4X2.5X75		1	9008370000
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Clamping yoke for power supply to 10 x 3 busbars								
Rigid / flexible 0.5 - 6 / 4 mm²	ZF 4 S BL		50	1814660000	ZF 4 S BL		50	1814660000
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	0316600000	ZB 16 ZKSC		50	0316600000
Flexible 16 - 35 mm²	ZB 35/M6X16		20	0266500000	ZB 35/M6X16		20	0266500000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

PDL 4 S/L/L — 4 mm²

PUSH IN

5.1 x 100 x 48
36 / 4
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

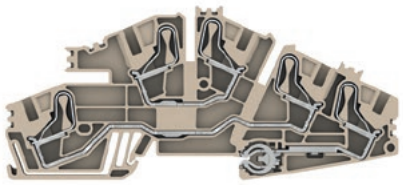
CE EAC KEMA

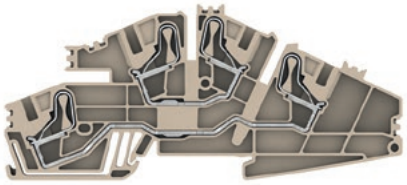
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/L/L	50	1837030000

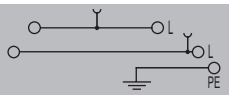
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

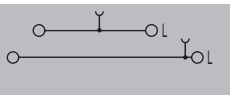
	PDL 6 S/L/L/PE	6 mm²	PDL 6 S/L/L	6 mm²





Width/Height/Depth	mm	8.1 x 118.5 x 52.5	8.1 x 118.5 x 52.5
max. current / max. cond. cross-section	-/mm²	/ 6	/ 6
Max. clamping range	mm²	1.5...6	1.5...6





Technical data

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	41			
for wire cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0	
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	1.5...6 / 1.5...6			
Stripping length / Blade size	mm/-	14 /			
Note					

Rated data		IEC	UL	CSA	EN 60079-7
Rated voltage	V	400			
Rated current	A	41			
for wire cross-section	mm²	6			
Rated impulse withstand voltage / Pollution severity				6 kV / 3	
Gauge to IEC 60947-1 / UL 94 flammability rating				/ V-0	
Clamped conductors (H05V/H07V)		**Rated connection**			
Solid / Stranded	mm²	1.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	1.5...6 / 1.5...6			
Stripping length / Blade size	mm/-	14 /			
Note					

Ordering data

Version	Type	Qty.	Order No.
	PDL 6 S/L/L/PE	25	1411330000
Note			

Version	Type	Qty.	Order No.
	PDL 6 S/L/L	25	1411310000
Note			

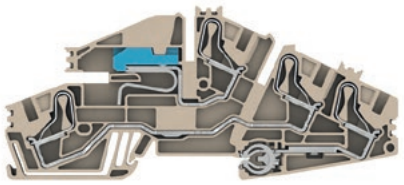
Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole	ZQV 6/3 GE	41 A	60	1627860000
4-pole	ZQV 6/4 GE	41 A	60	1627870000
20-/24-pole	ZQV 6/24 GE	41 A	10	1908990000
32-pole	ZQV 6/32 GE	41 A	10	1733640000
End plate				
dark beige	PAP PDL6S		20	1411200000
Support bracket				
blue	PHP PDL6S SO		20	1411350000
End bracket				
black	ZEW 35/2 SW		20	1162610000
Screwdriver				
Standard	SDIS 0.5X3.0X100		1	9008380000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000

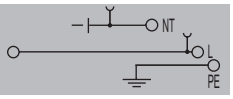
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 6/2 GE	41 A	60	1627850000
3-pole	ZQV 6/3 GE	41 A	60	1627860000
4-pole	ZQV 6/4 GE	41 A	60	1627870000
20-/24-pole	ZQV 6/24 GE	41 A	10	1908990000
32-pole	ZQV 6/32 GE	41 A	10	1733640000
End plate				
dark beige	PAP PDL6S		20	1411200000
Support bracket				
blue	PHP PDL6S SO		20	1411350000
End bracket				
black	ZEW 35/2 SW		20	1162610000
Screwdriver				
Standard	SDIS 0.5X3.0X100		1	9008380000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000

For detailed information on other accessories and application in the online catalogue

PDL 6 S/NT/L/PE — 6 mm²



8.1 x 118.5 x 52.5
/ 6
1.5...6

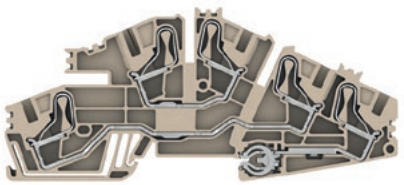


IEC	UL	CSA	EN 60079-7
400			
39			
6			
	6 kV / 3		
	/ V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

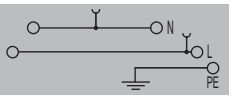
Type	Qty.	Order No.
PDL 6 S/NT/L/PE	25	**1411320000**

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZQV 6/32 GE	41 A	10	**1733640000**
PAP PDL6S		20	**1411200000**
PHP PDL6S SO		20	**1411350000**
ZEW 35/2 SW		20	**1162610000**
SDIS 0.5X3.0X100		1	**9008380000**
SSCH 10X3X1000 CU/SN		1	**0348900000**

PDL 6 S/N/L/PE — 6 mm²



8.1 x 118.5 x 52.5
/ 6
1.5...6



IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/ V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

Type	Qty.	Order No.
PDL 6 S/N/L/PE	25	**1411340000**

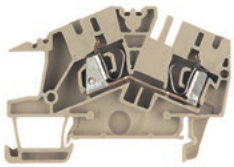
Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZQV 6/32 GE	41 A	10	**1733640000**
PAP PDL6S		20	**1411200000**
PHP PDL6S SO		20	**1411350000**
ZEW 35/2 SW		20	**1162610000**
SDIS 0.5X3.0X100		1	**9008380000**
SSCH 10X3X1000 CU/SN		1	**0348900000**

ZDU 2.5 S — 2.5 mm²

Two connections

ZDU 4 S — 4 mm²

Two connections



		ZDU 2.5 S	ZDU 4 S
Width/Height/Depth	mm	5.1 x 61 x 43.15	6.1 x 64.2 x 45.5
max. current / max. cond. cross-section	A/mm²	**24 / 4**	**32 / 6**
Max. clamping range	mm²	**0.5...4**	**0.5...6**

Technical data

Rated data		ZDU 2.5 S	ZDU 4 S
Rated voltage	V	IEC 60947-7-1	IEC 60947-7-1
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Twin wire-end ferrule	-		
Stripping length / Blade size	mm/-		

IEC	UL	CSA	EN 60079-7	ZDU 2.5 S	ZDU 4 S
400					
24					
2.5					
		6 kV / 3			
		A2 / V-0			
CE EAC					
Rated connection					
0.5...4					
0.5...4 / 0.5...2.5					
10 / 0.6 x 3.5 mm					
32					
4					
		6 kV / 3			
		A3 / V-0			
CE EAC					
Rated connection					
0.5...6					
0.5...4 / 0.5...4					
10 / 0.6 x 3.5 mm					

Note	ZDU 2.5 S	ZDU 4 S
	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	ZDU 2.5 S	ZDU 4 S
dark beige		
blue		

Type	Qty.	Order No.	Type	Qty.	Order No.
ZDU 2.5 S	100	**1808010000**	ZDU 4 S	100	**1808360000**
ZDU 2.5 S BL	100	**1808020000**	ZDU 4 S BL	100	**1808370000**
The distance from holding plate to holding plate should be 200 mm.			The distance from holding plate to holding plate should be 200 mm.		

Accessories

Pluggable cross-connection	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**	ZQV 4/2 GE	32 A	60	**1608950000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**	ZQV 4/3 GE	32 A	60	**1608960000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**	ZQV 4/4 GE	32 A	60	**1608970000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**	ZQV 4/10 GE	32 A	20	**1609030000**
20-/24-pole	ZQV 2.5/20	24 A	20	**1908960000**	ZQV 4/20 GE	32 A	20	**1909010000**
End plate / Partition plate								
dark beige	ZAP ZDU 2.5 S		20	**1808030000**	ZAP ZDU 4 S		20	**1808380000**
Blue	ZAP ZDU 2.5 S BL		20	**1808040000**	ZAP ZDU 4 S BL		20	**1808390000**
Support bracket for 10 x 3 (required every 20 cm)								
Blue	ZHP S		20	**1808290000**	ZHP S		20	**1808290000**
For a vertical installation position	ZHP S SO		20	**1808280000**	ZHP S SO		20	**1808280000**
End bracket								
dark beige	ZEW 35		20	**9540000000**	ZEW 35		20	**9540000000**
Screwdriver								
Standard	SDIS SL 1.0X5.5X125		1	**1274680000**	SDIS SL 0.6X3.5X100		1	**1274660000**
Identification systems								
	DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**	WS 10/6 MC NE WS		600	**1828450000**

For detailed information on other accessories and application in the online catalogue

ZDU 6S — 6 mm²

Two connections

8.1 x 64.35 x 49.2
41 / 10
0.5...10

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	A5 / V-0		

CE EAC

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 6 S	100	1808230000
ZDU 6 S BL	100	1808240000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZAP ZDU 6 S		20	1808250000
ZAP ZDU 6 S BL		20	1808260000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

ZDU 10/S — 10 mm²

Two connections

10 x 86.5 x 48
76 / 16
1.3...16

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	60	55	
10	AWG 16...6	AWG 16...6	
	6 kV / 3		
	A6 / V-0		

CE CSA cULus EAC KCMA

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10S	25	1739540000
ZDU 10S BL	25	1739550000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 10/2		25	1739680000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044

ZDU 16/S — 16 mm²

Two connections

12 x 95 x 48
76 / 25
1.5...25

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	65	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

CE CSA EAC KCMA cULus

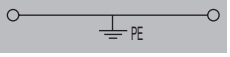
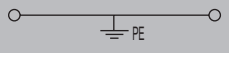
Rated connection
1.5...16 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 16S	25	1739580000
ZDU 16S BL	25	1739590000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044

	ZPE 2.5 S	ZPE 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
Width/Height/Depth mm	5.1 x 62.5 x 43.15	6.1 x 65.5 x 45.5
max. current / max. cond. cross-section -/mm²	/ 4	/ 6
Max. clamping range mm²	0.5...4 	0.5...6 

Technical data

	ZPE 2.5 S	ZPE 4 S
Rated data		
Rated voltage V	IEC 60947-7-2	IEC 60947-7-2
for wire cross-section mm²	IEC / UL / CSA / EN 60079-7	IEC / UL / CSA / EN 60079-7
	400	400
	2.5	4
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A2 / V-0	A3 / V-0
Approvals	CE EAC	CE EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.
green/yellow	ZPE 2.5 S	100	1808330000
Note	The distance from holding plate to holding plate should be 200 mm.		

Version	Type	Qty.	Order No.
green/yellow	ZPE 4 S	100	1808340000
Note	The distance from holding plate to holding plate should be 200 mm.		

Accessories

	Type	current	Qty.	Order No.
End plate / Partition plate				
dark beige	ZAP ZDU 2.5 S		20	1808030000
Support bracket for 10 x 3 (required every 20 cm)				
Blue	ZHP S		20	1808290000
For a vertical installation position	ZHP S SO		20	1808280000
End bracket				
dark beige	ZEW 35		20	9540000000
Screwdriver				
Standard	SDIS SL 0.6X3.5X100		1	1274660000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 10/5 MC NE WS		720	1635000000

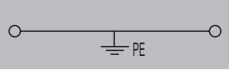
	Type	current	Qty.	Order No.
	ZAP ZDU 4 S		20	1808380000
	ZHP S		20	1808290000
	ZHP S SO		20	1808280000
	ZEW 35		20	9540000000
	SDIS SL 0.6X3.5X100		1	1274660000
	DEK 5/6 MC NE WS		1000	1609820000
	WS 10/6 MC NE WS		600	1828450000

For detailed information on other accessories and application in the online catalogue

ZPE 6 S — 6 mm²

Two connections

8.1 x 65.5 x 49.2
/ 10
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
6			
6 kV		/ 3	
A5 / V-0			

CE EAC

Rated connection
0.5...10
0.5...10 / 0.5...6

12	/ 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 6 S	100	**1808350000**

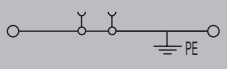
The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU 6 S		20	**1808250000**
ZHP S		20	**1808290000**
ZHP S SO		20	**1808280000**
ZEW 35		20	**9540000000**
SDIS SL 0.6X3.5X100		1	**1274660000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 10/6 MC NE WS		600	**1828450000**

ZPE 10/S — 10 mm²

Two connections

10 x 86.5 x 48
/ 16
1.3...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
10	AWG 16...6	AWG 16...6	
6 kV		/ 3	
A6 / V-0			

CE EAC

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10

18	/ 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

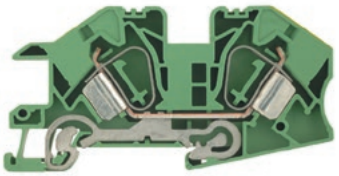
Type	Qty.	Order No.
ZPE 10S	25	**1739570000**

The distance from holding plate to holding plate should be 200 mm.

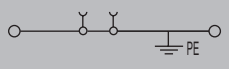
Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 10/5 MC NE WS		720	**1635000000**

ZPE 16/S — 16 mm²

Two connections



12 x 95 x 48
/ 25
1.5...25



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
16	AWG 14...6	AWG 14...4	
6 kV		/ 3	
A7 / V-0			

CE EAC

Rated connection
1.5...16 / 16...25
1.5...16 / 1.5...16

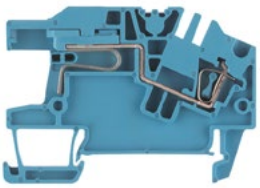
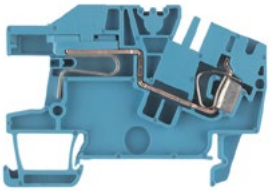
18	/ 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16S	25	**1739610000**

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
DEK 5/5 MC NE WS		1000	**1609801044**

	ZNT 2.5 S	ZNT 4 S
	2.5 mm²	4 mm²
	Two connections	Two connections
		
Width/Height/Depth mm	5.1 x 62.5 x 43.15	6.1 x 65.5 x 45.5
max. current / max. cond. cross-section A/mm²	**24 / 4**	**32 / 6**
Max. clamping range mm²	**0.5...4**	**0.5...6**

Technical data

	ZNT 2.5 S	ZNT 4 S
Rated data		
Rated voltage V	IEC 60947-7-1	IEC 60947-7-1
Rated current A	250	250
for wire cross-section mm²	24	32
Rated impulse withstand voltage / Pollution severity	2.5	4
Gauge to IEC 60947-1 / UL 94 flammability rating	4 kV / 3	4 kV / 3
Approvals	A2 / V-0	A3 / V-0
	CE EAC	CE EAC
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	0.5...4	0.5...6
Flexible / Flexible with ferrule mm²	0.5...4 / 0.5...2.5	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	10 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.
dark beige	ZNT 2.5 S	100	**1808300000**
blue	ZNT 4 S	100	**1808310000**
Note	Spacing between mounting plates should be 200mm.		

Accessories

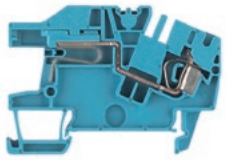
Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 2.5/2		60	**1608860000**
3-pole	ZQV 2.5/3	24 A	60	**1608870000**
4-pole	ZQV 2.5/4	24 A	60	**1608880000**
10-pole	ZQV 2.5/10	24 A	20	**1608940000**
20-/24-pole	ZQV 2.5/20	24 A	20	**1908960000**
End plate / Partition plate				
dark beige	ZAP ZDU 2.5 S		20	**1808030000**
Blue	ZAP ZDU 2.5 S BL		20	**1808040000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	ZHP S		20	**1808290000**
For a vertical installation position	ZHP S SO		20	**1808280000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4K BL		50	**0475380000**
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	**0502880000**
Flexible 16 - 35 mm²	ZB 35K BL M6X16		20	**0502680000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 10/5 MC NE WS		720	**1635000000**

Pluggable cross-connection	Type	current	Qty.	Order No.
2-pole	ZQV 4/2 GE	32 A	60	**1608950000**
3-pole	ZQV 4/3 GE	32 A	60	**1608960000**
4-pole	ZQV 4/4 GE	32 A	60	**1608970000**
10-pole	ZQV 4/10 GE	32 A	20	**1609030000**
20-/24-pole	ZQV 4/20 GE	32 A	20	**1909010000**
End plate / Partition plate				
dark beige	ZAP ZDU 4 S		20	**1808380000**
Blue	ZAP ZDU 4 S BL		20	**1808390000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	ZHP S		20	**1808290000**
For a vertical installation position	ZHP S SO		20	**1808280000**
End bracket				
dark beige	ZEW 35		20	**9540000000**
Screwdriver				
Standard	SDS 0.6X3.5X100		1	**9008330000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4K BL		50	**0475380000**
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	**0502880000**
Flexible 16 - 35 mm²	ZB 35K BL M6X16		20	**0502680000**
Identification systems				
	DEK 5/6 MC NE WS		1000	**1609820000**
	WS 10/6 MC NE WS		600	**1828450000**

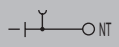
For detailed information on other accessories and application in the online catalogue

ZNT 6 S — 6 mm²

Two connections



8.1 x 64.35 x 49.2
41 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
	4 kV / 3		
	A5 / V-0		

CE EAC

Rated connection
0.5...10
0.5...10 / 0.5...6
12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

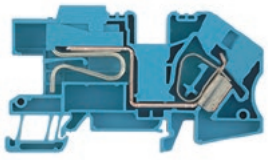
Type	Qty.	Order No.
ZNT 6 S	50	**1808320000**

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	**1627850000**
ZQV 6/3 GE	41 A	60	**1627860000**
ZQV 6/4 GE	41 A	60	**1627870000**
ZQV 6/24 GE	41 A	10	**1908990000**
ZAP ZDU 6 S		20	**1808250000**
ZAP ZDU 6 S BL		20	**1808260000**
ZHP S		20	**1808290000**
ZHP S SO		20	**1808280000**
ZEW 35		20	**9540000000**
SDIS SL 0.8X4.0X100		1	**1274670000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/8 MC NE WS		800	**1856740000**
WS 10/6 MC NE WS		600	**1828450000**

ZNT 10 S — 10 mm²

Two connections



10 x 86.5 x 49.5
/ 16
1.3...16

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	55	55	
10	AWG 16...6	AWG 16...6	
	6 kV / 3		
	A6 / V-0		

CE cULus EAC

Rated connection
1.5...16 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

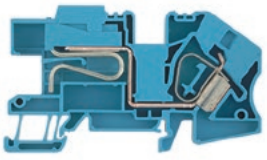
Type	Qty.	Order No.
ZNT 10S	25	**1739560000**

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/5 MC NE WS		1000	**1609801044**

ZNT 16/S — 16 mm²

Two connections



12 x 95 x 49.5
76 / 25
1.5...25

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	58	65	
16	AWG 14...4	AWG 14...4	
	6 kV / 3		
	A7 / V-0		

CE cULus EAC

Rated connection
1.5...16 / 16...25
1.5...16 / 1.5...16
18 / 1.0 x 5.5 mm

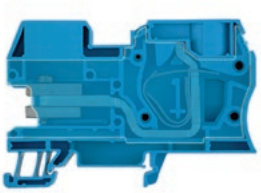
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

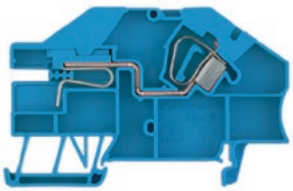
Type	Qty.	Order No.
ZNT 16S	25	**1739600000**

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	**1739690000**
ZAP ZDU10/16S		20	**1739660000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**

	ZNT 35	ZDU 4 NT
	35 mm²	4 mm²
	Two connections	Modified busbar position
Width/Height/Depth mm	16 x 88.5 x 58.5	6.1 x 78.5 x 49.5
max. current / max. cond. cross-section A/mm²	125 / 35	32 / 6
Max. clamping range mm²	2.5...35	0.13...6





Technical data

	ZNT 35	ZDU 4 NT
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage V	IEC: 400 / UL: 600 / CSA: 600 / EN 60079-7:	IEC: 250 / UL: / CSA: / EN 60079-7:
Rated current A	IEC: 125 / UL: 120 / CSA: 120 / EN 60079-7:	IEC: 32 / UL: / CSA: / EN 60079-7:
for wire cross-section mm²	IEC: 35 / UL: AWG 12...2 / CSA: AWG 12...2 / EN 60079-7:	IEC: 4 / UL: / CSA: / EN 60079-7:
Rated impulse withstand voltage / Pollution severity	6 kV / 3	4 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A8 / V-0	A4 / V-0
Approvals	CE, cULus, EAC	CE, EAC
Clamped conductors (H05V/H07V)	**Rated connection**	**Rated connection**
Solid / Stranded mm²	2.5...10 / 16...35	0.5...6
Flexible / Flexible with ferrule mm²	2.5...35 / 2.5...35	0.5...4 / 0.5...4
Twin wire-end ferrule -		
Stripping length / Blade size mm/-	25 / 1.0 x 5.5 mm	12 / 0.6 x 3.5 mm
Note	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
dark beige						
blue	ZNT 35	10	1739640000	ZDU 4/NT DB	50	1778080000
				ZDU 4/NT	50	1757980000
Note	The distance from holding plate to holding plate should be 200 mm.			Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.		

Accessories

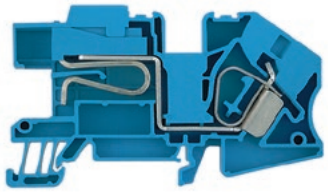
	Type	current	Qty.	Order No.	Type	current	Qty.	Order No.
Pluggable cross-connection								
2-pole								
3-pole								
4-pole								
10-pole								
20-/24-pole								
End plate / Partition plate								
dark beige					ZAP ZDU4/NT		20	1757970000
Blue								
Support bracket for 10 x 3 (required every 20 cm)								
Blue								
For a vertical installation position					ZHP ZDU4/NT SO		20	1803890000
End bracket								
dark beige	ZEW 35		20	9540000000	ZEW 35		20	9540000000
Screwdriver								
Standard	SDIS SL 1.0X5.5X125		1	1274680000	SDIS SL 0.6X3.5X100		1	1274660000
Busbar 10 x 3 (140 A)								
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000	SSCH 10X3X1000 CU/SN		1	0348900000
Clamping yoke for power supply to 10 x 3 busbars								
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4K BL		50	0475380000	ZB 4K BL		50	0475380000
Rigid / flexible 6 - 16 mm²	ZB 16K BL		50	0502880000	ZB 16K BL		50	0502880000
Flexible 16 - 35 mm²	ZB 35K BL M6X16		20	0502680000	ZB 35K BL M6X16		20	0502680000
Identification systems								
	DEK 5/5 MC NE WS		1000	1609801044	DEK 5/5 MC NE WS		1000	1609801044
					WS 15/5 MC NE WS		480	1609880000

For detailed information on other accessories and application in the online catalogue	Integrated end plate.	

ZDU 10 NT

10 mm²

Modified busbar position



10 x 86.5 x 49.5
57 / 16
1.5...16

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
57			
10			
	4 kV / 3		
	A6 / V-0		

CE EAC

Rated connection
1.5...10 / 1.5...16
1.5...10 / 1.5...10
18 / 1.0 x 5.5 mm

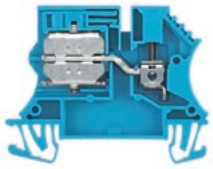
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

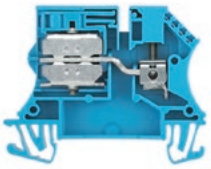
Type	Qty.	Order No.
ZDU 10/NT	25	**1762420000**

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

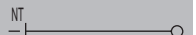
Type	current	Qty.	Order No.
ZQV 10/2		25	**1739680000**
ZAP ZDU10/16S		20	**1739660000**
ZHP ZDU4/NT SO		20	**1803890000**
ZEW 35		20	**9540000000**
SDIS SL 1.0X5.5X125		1	**1274680000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZB 4K BL		50	**0475380000**
ZB 16K BL		50	**0502880000**
ZB 35K BL M6X16		20	**0502680000**
DEK 5/6 MC NE WS		1000	**1609820000**
WS 12/5 MC NE WS		720	**1609860000**

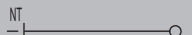
	WNT 2.5	2.5 mm²	WNT 4	4 mm²





Width/Height/Depth	mm	5.1 x 60 x 46.5	6.1 x 60 x 46.5
max. current / max. cond. cross-section	A	**32 / 4**	**41 / 6**
Max. clamping range	mm²	**0.13...4**	**0.13...6**





Technical data

Rated data					
		In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	-		600	600	
Rated current	A	24	25	20	
for wire cross-section	mm²	2.5	AWG 26...12	AWG 26...12	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A3 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...4 / 1.5...4			
Flexible / Flexible with ferrule	mm²	0.5...4 / 0.5...2.5			
Tightening torque (clamping screw for copper conductors)	-	0.4...0.6 Nm / (M 2.5)			
Tightening torque (separating screw)					
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		Tightening torque, N-isolator 0.4..0.6 Nm			

Rated data					
		In accordance with IEC 60947-7-1			
		IEC	UL	CSA	EN 60079-7
Rated voltage to adjoining terminal	-		600	600	
Rated current	A	32	35	25	
for wire cross-section	mm²	4	AWG 26...10	AWG 26...10	
Rated impulse withstand voltage / Pollution severity			6 kV / 3		
Gauge to IEC 60947-1 / UL 94 flammability rating			A4 / V-0		
Approvals					
Clamped conductors (H05V/H07V)					
Solid / Stranded	mm²	0.5...6 / 1.5...6			
Flexible / Flexible with ferrule	mm²	0.5...6 / 0.5...4			
Tightening torque (clamping screw for copper conductors)	-	0.5...1 Nm / (M 3)			
Tightening torque (separating screw)					
Stripping length / Blade size	mm/-	10 / 0.6 x 3.5 mm			
Note		Tightening torque, N-isolator 0.4..0.8 Nm			

Ordering data

Version		Type	Qty.	Order No.
	dark beige	WNT 2.5 10X3 BE	100	**1010600000**
	blue	WNT 2.5 10X3	100	**1010680000**
Note		2.5 mm² conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Version		Type	Qty.	Order No.
	dark beige			
	blue	WNT 4 10X3	100	**1010780000**

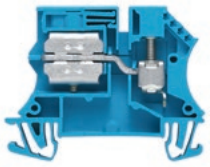
Accessories

End plate / Partition plate		Type	current	Qty.	Order No.
	dark beige	WAP 2.5-10		50	**1050000000**
	Blue	WAP 2.5-10 BL		50	**1050080000**
Support bracket for 10 x 3 (required every 20 cm)					
	Blue	WHP 2.5-35N/10x3 BL		20	**1050280000**
End bracket					
	dark beige	WEW 35/2		100	**1061200000**
Screwdriver					
	With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
	Standard	SDS 0.6X3.5X100		1	**9008330000**
Busbar 10 x 3 (140 A)					
	Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars					
	Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	**0316500000**
	Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
	Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Identification systems					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/5 MC NE WS		720	**1609860000**

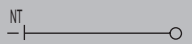
End plate / Partition plate		Type	current	Qty.	Order No.
	dark beige	WAP 2.5-10		50	**1050000000**
	Blue	WAP 2.5-10 BL		50	**1050080000**
Support bracket for 10 x 3 (required every 20 cm)					
	Blue	WHP 2.5-35N/10x3 BL		20	**1050280000**
End bracket					
	dark beige	WEW 35/2		100	**1061200000**
Screwdriver					
	With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
	Standard	SDS 0.6X3.5X100		1	**9008330000**
Busbar 10 x 3 (140 A)					
	Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars					
	Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	**0316500000**
	Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
	Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Identification systems					
		DEK 5/5 MC NE WS		1000	**1609801044**
		WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

WNT 6 — 6 mm²



7.9 x 60 x 46.5
57 / 10
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
41	45	35	
6	AWG 20...8	AWG 26...8	
	6 kV / 3		
	A5 / V-0		

Rated connection
0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.2 Nm / (M 3.5)
12 / 4.0 x 0.8 mm

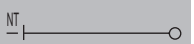
Tightening torque, N-isolator 0.8..1.6 Nm

Type	Qty.	Order No.
WNT 6 10X3	50	1010880000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

WNT 10 — 10 mm²

9.9 x 60 x 46.5
76 / 16
1.31...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
57	60	50	
10	AWG 16...8	AWG 16...6	
	6 kV / 3		
	B6 / V-0		

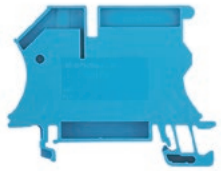
Rated connection
1.5...16 / 1.5...16
1.5...16 / 1.5...16
1.2...2 Nm / (M 4)
12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

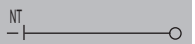
Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

WNT 16N — 16 mm²



12 x 60 x 46.5
101 / 25
1.5...25



In accordance with IEC 60947-7-1

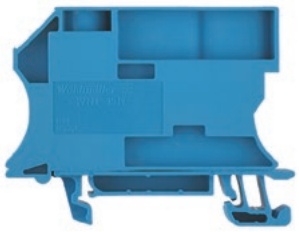
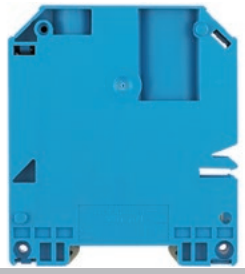
IEC	UL	CSA	EN 60079-7
	300	300	
76	65	65	
16	AWG 14...6	AWG 14...6	
	6 kV / 3		
	B7 / V-0		

Rated connection
1.5...16 / 1.5...25
1.5...16 / 1.5...16
1.2...2.2 Nm / (M 4)
12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8..1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 16N 10X3	50	1019000000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

	WNT 35N	WNT 70N
	35 mm²	70 mm²
	Compact design	Compact design
		
Width/Height/Depth mm	16 x 66 x 50.5	20.5 x 75 x 85
max. current / max. cond. cross-section A	**140 / 50**	**140 / 95**
Max. clamping range mm²	**2.5…50**	**10…95**

Technical data

	WNT 35N	WNT 70N
Rated data	In accordance with IEC 60947-7-1	In accordance with IEC 60947-7-1
Rated voltage to adjoining terminal -	IEC: 125	IEC: 140
Rated current A	IEC: 35	IEC: 70
for wire cross-section mm²		
Rated impulse withstand voltage / Pollution severity	6 kV / 3	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	B8 / V-0	B11 / V-0
Approvals	CE EAC	CE EAC cULus
Clamped conductors (H05V/H07V)		
Solid / Stranded mm²	**Rated connection**: 2.5…16 / 2.5…50	**Rated connection**: 10…16 / 10…95
Flexible / Flexible with ferrule mm²	2.5…35 / 2.5…35	10…70 / 10…70
Tightening torque (clamping screw for copper conductors) -	4…5 Nm / (M 6)	6…12 Nm / (M 8)
Tightening torque (separating screw)		
Stripping length / Blade size mm/-	18 / 6.5 x 1.2 mm	22 / S6 (DIN 6911)
Note	The tightening torque for 16 - 50 mm² stranded conductors is 4.5 Nm. Tightening torque for N-isolator: 1.2…2.4 Nm	Tightening torque, N-isolator 2.5..5.0 Nm

Ordering data

Version	Type	Qty.	Order No.
dark beige			
blue	WNT 35N 10X3	20	**1718550000**
Note			

Type	Qty.	Order No.
WNT 70N/35	10	**9512210000**

Accessories

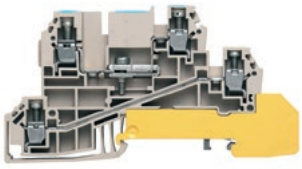
End plate / Partition plate	Type	current	Qty.	Order No.
dark beige	WAP 2.5-10		50	**1050000000**
Blue	WAP 2.5-10 BL		50	**1050080000**
Support bracket for 10 x 3 (required every 20 cm)				
Blue	WHP 2.5-35N/10x3 BL		20	**1050280000**
End bracket				
dark beige	WEW 35/2		100	**1061200000**
Screwdriver				
With "swifty set" cutting device	SWIFTY SET		1	**9006060000**
Standard	SDS 0.6X3.5X100		1	**9008330000**
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	**0348900000**
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	**0316500000**
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	**0316600000**
Flexible 16 - 35 mm²	ZB 35/M6X16		20	**0266500000**
Identification systems				
	DEK 5/5 MC NE WS		1000	**1609801044**
	WS 12/5 MC NE WS		720	**1609860000**

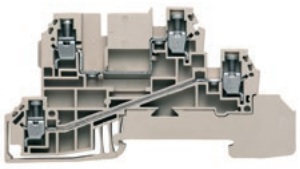
Type	current	Qty.	Order No.
WAP 2.5-10		50	**1050000000**
WAP 2.5-10 BL		50	**1050080000**
WHP 2.5-35N/10x3 BL		20	**1050280000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDS 0.6X3.5X100		1	**9008330000**
SSCH 10X3X1000 CU/SN		1	**0348900000**
ZB 4		50	**0316500000**
ZB 16 ZKSC		50	**0316600000**
ZB 35/M6X16		20	**0266500000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 12/5 MC NE WS		720	**1609860000**

For detailed information on other accessories and application in the online catalogue

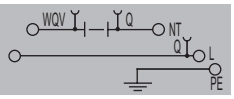
Refer to the "W-series Accessories" section for PEN bridges.

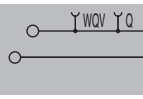
	WDL 2.5/NT/L/PE	2.5 mm²	WDL 2.5/L/L	2.5 mm²





Width/Height/Depth	mm	6.1 x 90 x 48	6.1 x 90 x 48
max. current / max. cond. cross-section	A	**32 / 4**	**32 / 4**
Max. clamping range	mm²	**0.13...4**	**0.13...4**





Technical data

Rated data			
Rated voltage to adjoining terminal	-		
Rated current	A		
for wire cross-section	mm²		
Rated impulse withstand voltage / Pollution severity			
Gauge to IEC 60947-1 / UL 94 flammability rating			
Approvals			
Clamped conductors (H05V/H07V)			
Solid / Stranded	mm²		
Flexible / Flexible with ferrule	mm²		
Tightening torque (clamping screw for copper conductors)	-		
Tightening torque (separating screw)			
Stripping length / Blade size	mm/-		

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

CE GL EAC NRTL

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3, A4 / V-0		

CE GL EAC NRTL

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

Note	
	Further connection refers to clamping point at top left (A4) 2-conductor, 1.5 mm², solid, with 0.6 Nm

Note	
	Further connection refers to clamping point at top left (A4) 2-conductor, 1.5 mm², solid, with 0.6 Nm

Ordering data

Version			
	dark beige		
Note			

Type	Qty.	Order No.
WDL 2.5/NT/L/PE	50	**1029800000**
PE connection is marked green-yellow		

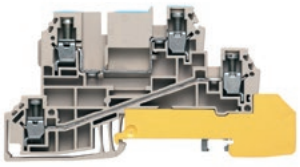
Type	Qty.	Order No.
WDL 2.5/L/L	50	**1030300000**
WDL 2.5/N/L Order no. 1030000000 (upper connection is marked blue).		

Accessories

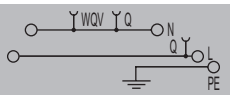
Screwable cross-connection							
	2-pole	Q 2 WDL2.5S	24 A	50	**1071500000**	Q 2 WDL2.5S	24 A	50	**1071500000**
	3-pole	Q 3 WDL2.5S	24 A	50	**1071600000**	Q 3 WDL2.5S	24 A	50	**1071600000**
	4-pole	Q 4 WDL2.5S	24 A	50	**1071700000**	Q 4 WDL2.5S	24 A	50	**1071700000**
	10-pole	Q 10 WDL2.5S	24 A	20	**1071800000**	Q 10 WDL2.5S	24 A	20	**1071800000**
	20-/24-pole	Q 20 WDL2.5S	24 A	20	**1074200000**	Q 20 WDL2.5S	24 A	20	**1074200000**
End plate / Partition plate							
	dark beige	WAP WDL2.5		20	**1067800000**	WAP WDL2.5		20	**1067800000**
Support bracket for 10 x 3 (required every 20 cm)							
	dark beige	WHP WDL2.5/S BL		20	**1067980000**	WHP WDL2.5/S BL		20	**1067980000**
End bracket							
	dark beige	WEW 35/2		100	**1061200000**	WEW 35/2		100	**1061200000**
Screwdriver							
	With "swifty set" cutting device	SWIFTY SET		1	**9006060000**	SWIFTY SET		1	**9006060000**
	Standard	SDIS 0.6X3.5X100		1	**9008390000**	SDIS 0.6X3.5X100		1	**9008390000**
Identification systems							
		DEK 5/5 MC NE WS		1000	**1609801044**	DEK 5/5 MC NE WS		1000	**1609801044**
		WS 8/5 MC NE WS		720	**1640740000**	WS 8/5 MC NE WS		720	**1640740000**

For detailed information on other accessories and application in the online catalogue

WDL 2.5/N/L/PE — 2.5 mm²



6.1 x 90 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

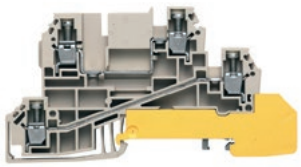
Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/N/L/PE	50	**1029900000**

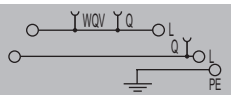
PE connection is marked green-yellow

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WAP WDL2.5		20	**1067800000**
WHP WDL2.5/S BL		20	**1067980000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDIS 0.6X3.5X100		1	**9008390000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

WDL 2.5/L/L/PE — 2.5 mm²



6.1 x 90 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3, A4 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

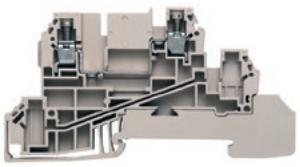
Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L/L/PE	50	**1030200000**

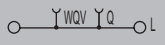
PE connection is marked green-yellow

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WAP WDL2.5		20	**1067800000**
WHP WDL2.5/S BL		20	**1067980000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDIS 0.6X3.5X100		1	**9008390000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

WDL 2.5/L — 2.5 mm²



6.1 x 90 x 48
32 / 4
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3, A4 / V-0		

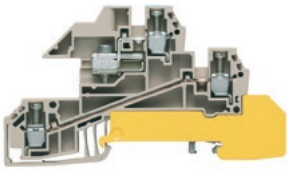
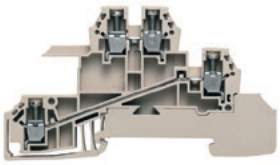
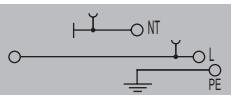
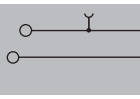
Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)
2-conductor, 1.5 mm², solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L	50	**1030400000**

WDL 2.5/S/N Order no. 1030900000 (connection marked blue).

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	**1071500000**
Q 3 WDL2.5S	24 A	50	**1071600000**
Q 4 WDL2.5S	24 A	50	**1071700000**
Q 10 WDL2.5S	24 A	20	**1071800000**
Q 20 WDL2.5S	24 A	20	**1074200000**
WAP WDL2.5		20	**1067800000**
WHP WDL2.5/S BL		20	**1067980000**
WEW 35/2		100	**1061200000**
SWIFTY SET		1	**9006060000**
SDIS 0.6X3.5X100		1	**9008390000**
DEK 5/5 MC NE WS		1000	**1609801044**
WS 8/5 MC NE WS		720	**1640740000**

	WDL 2.5/S/NT/L/PE	2.5 mm²	WDL 2.5/S/L/L	2.5 mm²
				
Width/Height/Depth mm	6.1 x 84.5 x 48		6.1 x 84.5 x 48	
max. current / max. cond. cross-section A	32 / 4		32 / 4	
Max. clamping range mm²	0.13...4		0.13...4	

Technical data

Rated data	WDL 2.5/S/NT/L/PE	WDL 2.5/S/L/L
Rated voltage to adjoining terminal -	In accordance with IEC 60947-7-1	IEC 60947-7-1
Rated current A	IEC: 24	IEC: 24
for wire cross-section mm²	IEC: 2.5	IEC: 2.5
Rated impulse withstand voltage / Pollution severity	UL: 300	UL: 300
Gauge to IEC 60947-1 / UL 94 flammability rating	UL: 15	UL: 15
Approvals	UL: AWG 26...12	UL: AWG 26...12
Clamped conductors (H05V/H07V)	CSA: 300	CSA: 300
Solid / Stranded mm²	CSA: 10	CSA: 10
Flexible / Flexible with ferrule mm²	CSA: AWG 26...12	CSA: AWG 26...12
Tightening torque (clamping screw for copper conductors) -	EN 60079-7: 4 kV / 3	EN 60079-7: 6 kV / 3
Tightening torque (separating screw)	EN 60079-7: A3 / V-0	EN 60079-7: A3 / V-0
Stripping length / Blade size mm/-	CE SP EAC GL N VL	CE SP EAC N VL
	Rated connection	**Rated connection**
	0.5...4 / 1.5...4	0.5...4 / 1.5...4
	0.5...4 / 0.5...2.5	0.5...4 / 0.5...2.5
	0.4...0.6 Nm / (M 2.5)	0.4...0.6 Nm / (M 2.5)
	8 / 0.6 x 3.5 mm	8 / 0.6 x 3.5 mm
Note	Rated voltage L-PE and L-NT 250 V. Tightening torque for isolator 0.4...0.6 Nm	

Ordering data

Version	Type	Qty.	Order No.
dark beige	WDL 2.5/S/NT/L/PE	50	1030600000
Note	PPE connection marked green/yellow, three-phase circuit together with WDL 2.5/S/L/L		

Version	Type	Qty.	Order No.
dark beige	WDL 2.5/S/L/L	50	1031200000
	WDL 2.5/S/N/L Order no. 1030800000 (upper connection marked blue).		

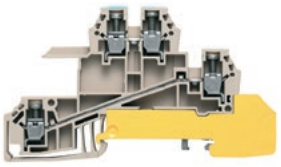
Accessories

Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	Q 2 WDL2.5S	24 A	50	1071500000
3-pole	Q 3 WDL2.5S	24 A	50	1071600000
4-pole	Q 4 WDL2.5S	24 A	50	1071700000
10-pole	Q 10 WDL2.5S	24 A	20	1071800000
20-/24-pole	Q 20 WDL2.5S	24 A	20	1074200000
End bracket				
dark beige	WEW 35/2		100	1061200000
End plate / Partition plate				
dark beige	WAP WDL2.5/S		20	1067700000
Support bracket for 10 x 3 (required every 20 cm)				
dark beige	WHP WDL2.5/S BL		20	1067980000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	0316500000
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	0316600000
Flexible 16 - 35 mm²	ZB 35/M6X16		20	0266500000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000

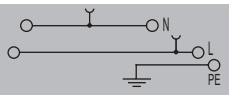
Screwable cross-connection	Type	current	Qty.	Order No.
2-pole	Q 2 WDL2.5S	24 A	50	1071500000
3-pole	Q 3 WDL2.5S	24 A	50	1071600000
4-pole	Q 4 WDL2.5S	24 A	50	1071700000
10-pole	Q 10 WDL2.5S	24 A	20	1071800000
20-/24-pole	Q 20 WDL2.5S	24 A	20	1074200000
End bracket				
dark beige	WEW 35/2		100	1061200000
End plate / Partition plate				
dark beige	WAP WDL2.5/S		20	1067700000
Support bracket for 10 x 3 (required every 20 cm)				
dark beige	WHP WDL2.5/S BL		20	1067980000
Busbar 10 x 3 (140 A)				
Ok, busbar up to Ok, TS 35 = 25.5 mm	SSCH 10X3X1000 CU/SN		1	0348900000
Clamping yoke for power supply to 10 x 3 busbars				
Rigid / flexible 0.5 - 6 / 4 mm²	ZB 4		50	0316500000
Rigid / flexible 6 - 16 mm²	ZB 16 ZKSC		50	0316600000
Flexible 16 - 35 mm²	ZB 35/M6X16		20	0266500000
Identification systems				
	DEK 5/5 MC NE WS		1000	1609801044
	WS 8/5 MC NE WS		720	1640740000

For detailed information on other accessories and application in the online catalogue

WDL 2.5/S/N/L/PE — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

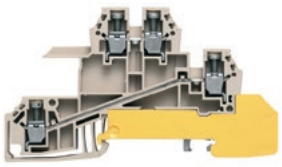
IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm
L-PE / L-N 250 V

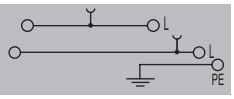
Type	Qty.	Order No.
WDL 2.5/S/N/L/PE	50	1030700000
PE connection is marked green-yellow		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L/L/PE — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4



IEC 60947-7-1 (-7-2)

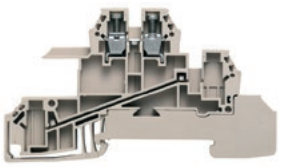
IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm
L-PE 250 V

Type	Qty.	Order No.
WDL 2.5/S/L/L/PE	50	1031100000
PE connection is marked green-yellow		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L — 2.5 mm²



6.1 x 84.5 x 48
32 / 4
0.13...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDL 2.5/S/L	50	1031300000
WDL 2.5/S/N Order no. 1030900000 (connection marked blue).		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

Support plates and end plates

PAP PDU16S

Technical data		
Width	mm	2.7

Ordering data		Type	Qty.	Order No.
	dark beige	PAP PDU16S	10	**1139910000**
	blue			
	blue			
	grey			
	black			

Note

PAP PDL 4

Technical data		
Width	mm	1.5

Ordering data		Type	Qty.	Order No.
	dark beige	PAP PDL4	20	**1883210000**
	blue			
	blue			
	grey			
	black			

Note

PAP PDL 4S

Technical data		
Width	mm	1.5

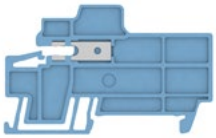
Ordering data		Type	Qty.	Order No.
	dark beige	PAP PDL4S	20	**1837070000**
	blue			
	blue			
	grey			
	black			

Note

Support plates and end plates

PHP PNT 2.5/4

General



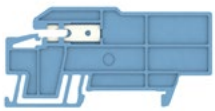
Technical data		
Width	mm	3

Ordering data		Type	Qty.	Order No.
	dark beige			
	blue	PHP PNT 2.5/4	20	**1896390000**
	blue	PHP PNT 2.5/4 SO	20	**1916790000**
	grey			
	black			

Note

PHP PNT 6/10

General



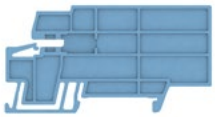
Technical data		
Width	mm	3

Ordering data		Type	Qty.	Order No.
	dark beige			
	blue	PHP PNT 6/10	10	**1896100000**
	blue	PHP PNT 6/10 SO	10	**1919710000**
	grey			
	black			

Note

PHP PNT 16

General



Technical data		
Width	mm	3

Ordering data		Type	Qty.	Order No.
	dark beige			
	blue	PHP PNT16	10	**1896380000**
	blue	PHP PNT16 SO	10	**1919690000**
	grey			
	black			

Note

Installation

Installation	Assembly instructions	C.2
	Mounting accessories	C.10
	Marking system	C.22
	Tools	C.24
	Enclosure system	C.26
	Materials	C.28
	Standards and regulations	C.32
	Types	C.40

General technical notes

Useful tips from planning through to installation

As a system planner, you bear the responsibility for the correct selection of solutions and components. The IEC standard and the DIN EN 61439 "Low-voltage switchgear and controlgear assemblies" standard support you here. They stipulate the planning and construction requirements, as well as the necessary design verifications. The essential prerequisites are, of course, professional handling of equipment and observance of the rules in force. Only in this way can hazards to persons and property be avoided when they are dealing with electrical energy. In particular, installation, maintenance work, modifications and retrofitting may only be carried out by qualified personnel and in compliance with the general installation and safety regulations for work on power installations.

Our promise

Connections in the panel have to satisfy numerous rules and conditions. Whether installing terminal strips and terminal blocks or using aluminium conductors – we provide you with useful tips that make your work easier.

Operating conditions

The specifications contained in the documentation apply, insofar as no separate stipulations apply, for the recommended installation position and for environmental conditions in the case of indoor installation (pollution severity 3, in exceptional cases 2) in accordance with IEC 60439-1 and IEC 61439-1/2/3. The user has to refer the manufacturer to special operating conditions deviating from this standard! You have to provide for installation-specific reduction factors depending on the actual operating conditions. The load factors listed in the table below constitute guidelines.

Guidelines for rated load factors

Number of main circuits	Rated load factor	
	acc. to IEC 61439-2	acc. to IEC 61439-3
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439
Part 2: Power switchgear and controlgear assemblies
Part 3: Distribution boards intended to be operated by ordinary persons

What you have to observe for installation

In the case of products containing cartridge fuses, you have to follow the specifications from the associated product standards with regard to the wire cross-sections to be connected. The specified temperature resistance of the plastics used has to be observed.

Here, we recommend installing the products vertically on horizontal terminal rail systems. The rated load factors in the table are applicable for this installation position and also for components with permissible power losses. This also pertains to the environmental conditions in accordance with IEC 60439-1, section 6.1.1.1 and IEC 61439-2/3, section 7.1.1.1.

And what if the conditions deviate
In case of a deviation in the installation position and operating conditions, you have to consider all the factors influencing the maximum temperature. These include, for example:

- Power output of the cartridge fuses and the devices in operation
- Timings, full and partial load, concurrency
- Arrangement in the system, mutual interaction between the devices
- Rail cross-section, conductor cross-section
- Ambient temperature, flow conditions, ventilation and cooling through additional correction factors

Installation positions are inadmissible in which gravity works against the direction of contact movement. Clearance and creepage distances have to be measured in accordance with IEC 60664-1 (VDE 0110 Part 1). Above 12 mm, all IEC requirements are met up to 690 V AC. You also have to consider further factors, such as minimum distances to grounded parts. This particularly applies for UL applications. You also need to avoid the harmful influences of chemical substances during storage, processing and operation.

CE marking
Our products are subject to mandatory CE-marking in conjunction with Low Voltage Directive 73/23/EEC, as amended by Directive 2014/35/EU. We have affixed the CE mark on the individual packing units and partly on the products themselves. We hereby confirm to you that our products comply with the applicable regulations. We would be pleased to provide you with the relevant declarations of conformity at our company.

RoHS Directive
The restriction on lead and five further potentially hazardous substances used in electrical and electronic equipment is defined by the EU RoHS Directive. You will find more information at:
www.weidmueller.com/rohs

REACH Regulation
The European chemical regulation REACH stands for the Registration, Evaluation, Authorisation and restriction of Chemicals. You will find current information at:
www.weidmueller.com/reach

Our tips for you

It always has to be ensured that ...

- all accessible parts are deactivated during installation and maintenance work
- connections are made with the prescribed torque, suitable fitted parts are used and parts are completely installed for touch-safe protection
- connections are checked and, if necessary, tightened after transportation
- the products are used and operated according to the intended purpose
- the technical description in the product manual and the installation instructions are observed and the documents are kept accessible for subsequent maintenance work, modifications and retrofitting
- modifications that serve for advancement and technical progress are reserved

Mounting of terminal strips

Always a secure connection

Terminal strips are used for quick installation of cables and conductors. They are the interface from the panel to the outside world. Below, you will find some useful tips, information and binding rules to support you in mounting terminal strips.

Combinations of different terminal blocks
In case of a contour change, you have to use end plates and partition plates (WAP/TW, ZAP/TW and IAP). If terminal blocks with different rated voltages are arranged next to one another, you need end plates or partition plates (WAP/TW, ZAP/TW). Good to know: when arranging the PE terminal block next to, or between the associated feed-through terminals blocks of the same series and size, the rated voltage and the rated impulse voltage of the feed-through terminal blocks are not influenced.

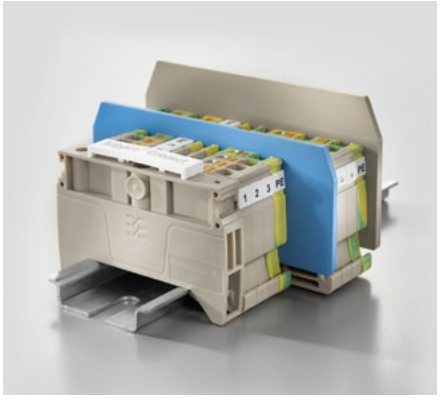
Dimensions
The dimension of the housing enclosing the terminal blocks and fastening components is specified, but without tolerances. Please consider a mounting tolerance of 0.2 mm to the specified terminal width in your project design.

Partition plate
You use a partition plate for visual separation of circuits or for electrical isolation from neighbouring cross-connectors.

Small partition
In the case of terminal blocks, up to a terminal width of max. 12 mm, you can retroactively insert small partitions between cross-connections or sockets.

End bracket at the beginning and end of the terminal strip

Partition plates improve the overview



Troubleshooting with bipolar voltage tester incl. measurement probe according to IEC 61243-3

Compliance with the rated insulation voltage
We specify the required stripping length for all our products in mm. These lengths, e.g. 6 mm ± 0.5 mm, ≥ 10 mm ± 1 mm are absolutely binding. This is also the case if you use wire-end ferrules. IEC 60947-1 applies for the outside dimension of crimped wire-end ferrules.

Working on electrical connectors with non-insulated screwdrivers
The following five rules apply for working on electrical systems and equipment with non-insulated screwdrivers:
- Disconnect the electrical systems
- Prevent from being switched back on
- Ascertain absence of voltage
- Earth and short-circuit
- Cover or block off neighbouring parts under voltage

Please find the individual measures to be taken in consideration of the operational and local conditions, for example high voltage and low voltage lines, cables or switchgear systems, in VDE 0105 Part 100.

Unused contact points under voltage
Protect unused contact points that may be live against inadvertent touching by using suitable covers, such as ADP 1 to 4. The clamping screws of unused contact points that are not live must also be tightened.

Tightening torque range for clamping screws
The test torque according to IEC 60947-1 or the torque according to the manufacturer's specifications is the lower value of the torque range. With this, all tests are passed. The upper value of the torque range is the maximum torque that may be applied.
Preferably set the electrical torque screwdriver to the midpoint torque of the terminal torque range. We have assigned product-specific data directly to the respective products.

Tightening the clamping screw in the specified torque ranges ensures:
- Reliable and gas-tight clamping
- No mechanical destruction of the clamping yokes
- Voltage drop well below the required limit value

Our installation tips for you

- The terminal strip structure is from left to right
- Place the closed side to the left, the open side to the right
- Always close the open side of the terminal strip with end plates or separation plates (WAP/TW, ZAP/TW)
- End brackets have to be placed at the beginning and end of a terminal strip

Connecting terminal blocks

With the right torque

The right torque is a decisive factor in professional connection of terminal blocks in order to avoid damage to the electrical systems. Therefore, always apply the tightening torque specified in the installation instructions or on the Internet for the product.

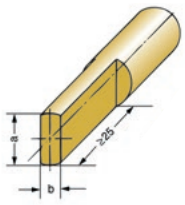
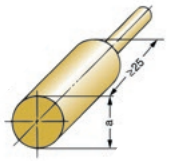
Unless limits are specified, the deviation of the tightening torque for screw and clamp connections may be a maximum of ±/–20 percent of the rated value. If no range is specified for clamping cross-sections, the lower clamping range is limited to two levels below the rated cross-section. Please find the relationships between the wire cross-sections in mm² and AWG/MCM sizes in the table below.

General technical data for conversion AWG* conductor to mm²

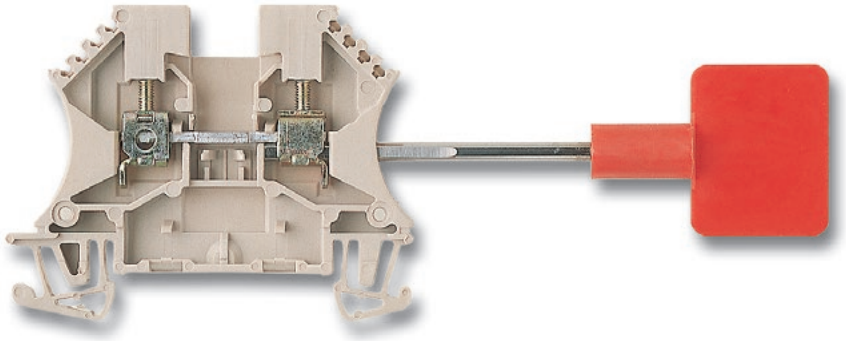
AWG	mm²
28	0.08
26	0.13
24	0.20
22	0.33
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

Plug gauge according to IEC 60947-1: insertability of unprepared round conductors with the largest defined cross-section

Test with the defined gauge, insertion under own weight

Cable diameter		Gauge					
		Shape A			Shape B		
							
Flexible conductors mm²	Solid conductors (one or more wires) mm²	Designation	Diameter a mm	Width b mm	Designation	Diameter a mm	Permissible deviation for a and b mm
1.5	1.5	A 1	2.4	1.5	B 1	1.9	
2.5	2.5	A 2	2.8	2.0	B 2	2.4	0 – 0.05
2.5	4	A 3	2.8	2.4	B 3	2.7	
4	6	A 4	3.6	3.1	B 4	3.5	
6	10	A 5	4.3	4.0	B 5	4.4	0 – 0.06
10	16	A 6	5.4	5.1	B 6	5.3	
16	25	A 7	7.1	6.3	B 7	6.9	
25	35	A 8	8.3	7.8	B 8	8.2	0 – 0.07
35	50	A 9	10.2	9.2	B 9	10.0	
50	70	A 10	12.3	11.0	B 10	12.0	
70	95	A 11	14.2	13.1	B 11	14.0	0 – 0.08
95	120	A 12	16.2	15.1	B 12	16.0	
120	150	A 13	18.2	17.0	B 13	18.0	

* **AWG** is the abbreviation for "**A**merican **W**ire **G**auge".



Approval of wire-end ferrules
Wire-end ferrules are only ever approved for applications according to IEC/EN standards. We tested examples for the application of wire-end ferrules; this does represent any form of general approval for different ferrule pressings. You may have to reduce the maximum wire cross-sections. Conductors have to be manufactured taking into consideration the requirements of IEC/EN 60999-1 and -2 and have to be configured such that there is no tensile loading.

Two conductors at a contact point
You achieve assignment to individual circuits, identification and division of individual functional units optimally by only connecting one conductor to each contact point. Terminal blocks with screw connection (W-Series) are available to you should two conductors of the same cross-section be connected to a contact point. The connection of two cables with screwless contact points is forbidden according to DIN IEC 60999-1. Connection of two conductors is possible in terminal blocks with spring connection, however, by using twin wire-end ferrules.

Continuous current for two conductors
The total current of two conductors must not exceed the continuous current of the terminal block. The continuous current is the maximum current a terminal block can carry without exceeding a temperature increase of 45 K.

Rated voltage
The rated voltage of the terminal block does not change with the proper connection of two conductors.

Use of aluminium conductors

Very secure contact

Aluminium conductors have many advantages. However, various conditions must be met in order to achieve secure contact with these conductors. The specifications for the conductor connections for terminal blocks only apply for copper conductors. They do not apply to aluminium conductors.

Why is the use of aluminium conductors so attractive?

The use of aluminium conductors is becoming increasingly attractive, especially when conductors with cross-sections over 16 mm² are used. One advantage of aluminium as a wire material is its favourable price as compared with copper. Aluminium also weighs significantly less. This makes routing cables much easier.

Properties and physical influences of aluminium

The direct contact of aluminium as an electrical conductor is essentially determined by three physical influences:

- Exposure to oxygen immediately forms a non-conducting oxide layer on the surface of the aluminium conductor. The result is an increase in the contact resistance between the connection system and the aluminium conductor. In the worst case, this can lead to the terminal block catching fire.
- The conductivity of aluminium is one-third lower than that of copper. For this reason, the selection of the right cross-section should always be dependent on the maximum anticipated current. When using aluminium conductors, we therefore recommend always selecting one conductor size larger for the same current carrying capacity.
- Aluminium has a tendency to flow under mechanical pressure loading. This necessitates checking the specified torque prior to initial use and monitoring the torque applied after approx. 200 operating hours.

Professional processing and handling of aluminium conductors for direct connection

In order to ensure optimal connection of solid and sectional core aluminium conductors, the stripped end of the conductor must be cleaned of the oxide layer immediately by scraping, e.g. with a knife. Please note that no brushes, files or sandpaper may be used, as aluminium particles could be stuck and thus transferred to other conductors.

Immediately after removing the oxide layer, the end of the conductor has to be rubbed with neutral grease (for example with acid and alkali free vaseline) and connected in the terminal immediately. If the conductor has been disconnected and reconnected, the work steps have to be repeated.

Terminal blocks for aluminium conductors			
WPD × 01 ...	152 A	25 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	4 NM
WPD × 02 ...	202 A	35 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	16² = 4.0 NM 25² = 6.0 NM 35² = 8.0 NM
WPD × 03 ...	300 A	70 mm² solid, stranded and sector-shaped in acc. with IEC 61238-1	16² = 4.0 NM 25² = 6.0 NM 35² = 8.0 NM 50² = 10.0 NM 70² = 18.0 NM

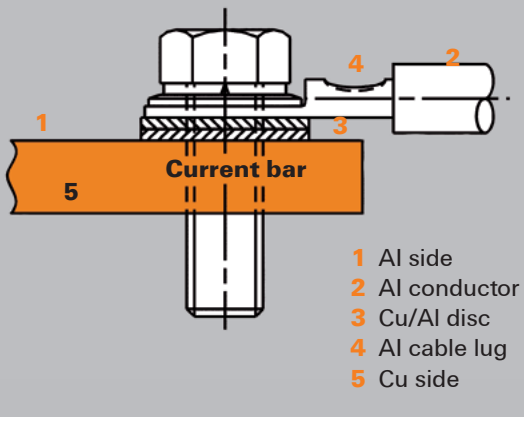
In case of WDU 240, the manufacturer's specifications concerning current-carrying capacity of the aluminium conductor used have to be observed. This is usually well below 400 A.

Professional preparation and handling of aluminium conductors with indirect connection
Indirect connection of aluminium conductors is the safest choice. This can be enabled through the use of connecting elements, such as Al/Cu ring cable lugs or compression bolts. Nevertheless, the relevant manufacturer's specifications must also be observed here and the contact point checked according to the operating instructions.

For normal environmental conditions and load cases, we recommend checking at intervals of six months. With unfavourable operating conditions or frequent temperature changes at the contact points, a shorter interval may be necessary. Temperature measurement strips with storage of maximum values can be attached in the immediate vicinity of the contact points and may be useful for objective assessment with regular tests. All contact points are suitable for the connection of one conductor, unless noted otherwise.

Installation instructions for flat cable lugs
When tightening the terminals, it is recommended to apply a counter-force on the conductor to avoid deformation of the terminal rail and to keep the foot of the terminal free of torsion forces. Connection of stranded aluminium conductors to terminal blocks is achieved with the aid of an aluminium cable lug. This is selected according to the shape of the conductor and is connected to the cable lug manufacturer's specifications. Cu/Al washers are required at the junction of aluminium cable lugs to the terminal block current bar. Only then is a smooth transition from copper to aluminium ensured. They are fitted such that the copper side of the current bar and the aluminium side make contact with the aluminium cable lug.

Mounting screw



Installation in conformity with standards

With precisely matched accessories

When mounting terminal blocks and assembling panels, you must always be able to rely on accessories fitting perfectly. Only then do the processes run smoothly and therefore productively. The requirements placed on terminal rails, busbars, as well as cover plates and support brackets, are correspondingly high. They have to comply with numerous standards and safety regulations.

Our promise
Our components are aligned to each other right down to the finest detail and hence make installation easier for you.

Information and ordering data for mounting accessories is available to you in our online catalogue. The webcode **#01229** entered into the search screen of our website takes you directly into the Klippon® Connect area.

Terminal rails

Terminal and top-hat rails for component mounting and end brackets are important for holding and insulating the components. Depending on the application area, we offer terminal rails made of steel, stainless steel, aluminium, copper or plastic.

Stainless steel
Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

Aluminium
Aluminium has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

Copper
Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

Plastic
Plastic terminal rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard terminal rails.

Steel
Steel terminal rails are the most widespread on the market. Among metal terminal rails, they have the lowest short-circuit protection, similar to stainless steel.

Use as PE conductors or PEN busbars
Under certain circumstances, you can also use terminal rails as bus bars for protective conductors (PE conductors) or PEN conductors. The Weidmüller PE terminal blocks with spring and screw connections fulfil the requirements for PE conductors defined in IEC 60 947-7-2. According to VDE 0100 Part 540, protective earth conductors and neutral conductors with wire cross-sections above 10 mm^2 may be combined to form a conductor abbreviated as PEN.

Our installation tip

If a terminal rail is used as a PEN busbar, the following criteria have to be observed:
- Only profiles made of E-Cu or aluminium are permissible
- Short-circuit currents and thermal rated currents
- Insulate terminal rails with the "protective insulation"protective measure

Busbars

In the case of switchgear and control systems it, may be necessary to bring the neutral and PE conductor together on busbars. They offer the possibility of connecting a large number of conductors (on 1 m rails up to 70 conductors) with a low space requirement – either via a pressure piece or a clamping yoke. The SH rail support (which can also be arranged between the clamping yokes for longer bar) serves for fixing purposes. If the clamping yoke is used as protective earth connection, we can optionally supply it with green-yellow or as neutral conductor with blue insulation cap.

Our installation tip

- In order to combine neutral or protective earth conductors at a central point, the ZB clamping yoke can be used together advantageously with the 10 × 3 or 6 × 6 busbars
- The ZBE 6 can be retroactively swivelled on to the busbars

Cover profiles and support brackets

Several safety regulations, such as the accident prevention regulation “Electrical Installations and Equipment” (VBG 4) and VDE 0106 Part 100/3.83, require from you that active parts of electrical equipment are protected against direct touching. Our cover profiles with associated support brackets may be used for the most common terminal sizes. The support brackets can be arranged at the end or along the the terminal strip. They can be fastened to TS 32, TS 35 or TS 15 terminal rails.

Our installation tip

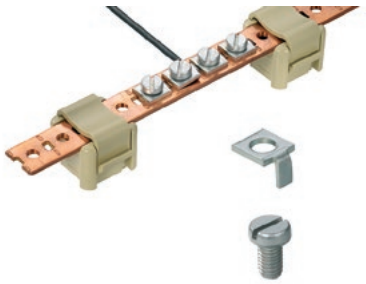
- Linear intervals of the support brackets: the linear measure of the ADP 1, 2 and 3 between the support brackets should not significantly exceed 300 mm
- The cover profile is also snapped on to tags at the sides; extra tightness is achieved with pegs on the support brackets for sealing purposes
- The transparent design of the profiles allows terminals with accessories and marking to be identified at any time. Additional markings, e.g. from groups, can also be applied

Busbars, unslotted

SSch

Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
SSCH 10X3X1000 CU/SN	Copper	10...3 mm	1000 mm	140 A	1	0348900000
SSCH 10X3X1000 MS/BK	Brass	10...3 mm	1000 mm	100 A	1	0259800000
SSCH 10X3X1000 ST/ZN	Steel	10...3 mm	1000 mm		1	0438000000
SSCH 15X6X1000 CU/SN	Copper	15...6 mm	1000 mm	265 A	1	0357400000
SSCH 6X6X1000 CU/SN	Copper	6...6 mm	1000 mm	140 A	1	0571300000

Busbars, slotted



NSch / ESch

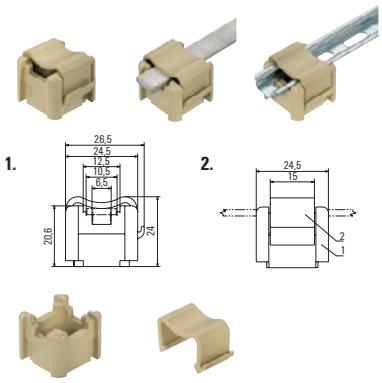
Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
ESCH 1 M	Steel	12...2 mm	1000 mm	24 A	1	0280300000
NSCH 1M	Copper	15...2 mm	1000 mm	24 A	1	0280200000
NSCH 2M	Copper	15...2 mm	2025 mm	24 A	2	1313600000
Pressure piece					**Qty.**	**Order No.**
DKSUE NSCH/ESCH					100	0280100000
Clamping screw						
BFSC M5X8 Schlitz					100	0296700000

Technical data

Solid	...
Stripping length	
Cable lug to DIN 46234	
Current	

Rail support

With yoke and base



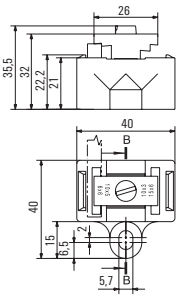
SH 1

Type	Width	Height	Depth	Qty.	Order No.
SH 1	26 mm	24.5 mm	24 mm	20	0299860000
Individual parts				**Qty.**	**Order No.**
SO SH1				20	0401460000
KLBUE SH1				20	0635960000
Screwable cross-connection					
BFSC M4X9T				100	0103300000
BFSC M4X30				50	0267100000
SH 1: for busbar cross-section 10 x 3, 6 x 6, 15 x 2, 12 x 2, 15 x 2, 15 x 6					

C

Rail support

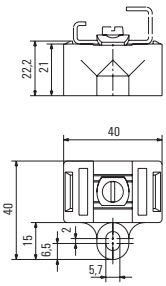
With metal bridge



SH 2S

Type	Width	Height	Depth	Qty.	Order No.
SH 2 S	40 mm	40 mm	35.5 mm	10	0641720000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5, 15 x 6					

Rail support

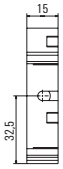


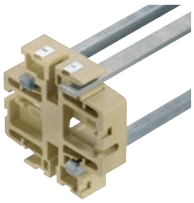
SH 2

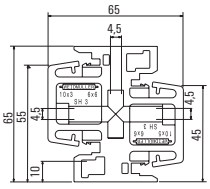
Type	Width	Height	Depth	Qty.	Order No.
SH 2	40 mm	40 mm	25 mm	10	0494920000
The arrangement of mounting rails in totally insulated facilities					

Rail support

With metal bridge







SH 3

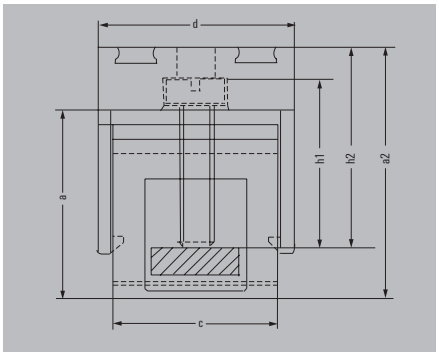
Type	Width	Height	Depth	Qty.	Order No.
SH 3	65 mm	15 mm	65 mm	10	0556660000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5					

Rail support

WEW

Type Polyamide with fibre glass, screwable	Width	Height	Depth	Qty.	Order No.
WEW 35/1	12 mm	56 mm	62.5 mm	50	1059000000
WEW 35/2	8 mm	56 mm	46.5 mm	100	1061200000
WEW 35/1 GR	12 mm	56 mm	62.5 mm	50	1227890000
WEW 35/1 SW	12 mm	56 mm	63 mm	50	1162600000
WEW 35/2 GR 7042	8 mm	56 mm	46.5 mm	100	1859200000
WEW 35/2 SW	8 mm	56 mm	47 mm	100	1061210000
For busbar cross-section 10 x 3, 6 x 6					

Clamping yoke, uninsulated



Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	
	min. 8.8	A 2/A 4-80
	[Nm]	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

for busbar 10 x 3 mm

Solid	0.5...6 mm²
Flexible	0.5...4 mm²
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	Silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475460000

for busbar 10 x 3 mm

For subsequently slewing-in

Solid	1...10 mm²
Flexible	1.5...10 mm²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	Silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	Silver	7.8 mm	22.5 mm		50	0526060000

for busbar 10 x 3 mm

Also for 10 x 5 mm busbars

Solid	1.5...10 mm²
Flexible	2.5...10 mm²
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	Silver	8 mm	19.5 mm	29.1 mm	50	1261300000

for busbar 10 x 3 mm

Solid	2.5...16 mm²
Flexible	2.5...16 mm²
Stranded	16...25 mm²
Clamping screw	M 4
Stripping length	16 mm

ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	Silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	Silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	Silver	9 mm	19 mm	20 mm	50	0502960000

for busbar 10 x 3 mm

Solid	16...16 mm²
Flexible	16...35 mm²
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	Silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	Silver	14 mm	32 mm	8.6 mm	50	0502780000

for busbar 6 x 6 mm

Solid	0.5...6 mm²
Flexible	0.5...4 mm²
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

ZB 4/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6	Silver	5.3 mm	12 mm	20 mm	50	0556700000

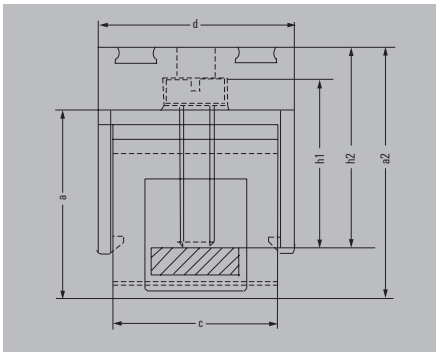
for busbar 6 x 6 mm

Solid	2.5...16 mm²
Flexible	2.5...16 mm²
Stranded	16...25 mm²
Clamping screw	M 4
Stripping length	12 mm

ZB 16/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6	Silver	10 mm	12.5 mm	30.7 mm	50	0556800000

Clamping yoke, insulated



for busbar 10 x 3 mm

Solid	0.5…6 mm²
Flexible	…
Stranded	…
Clamping screw	M 3
Stripping length	16 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	Silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	Silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	Silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	Silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	Silver	6 mm	19 mm	20.4 mm	50	0475360000

for busbar 10 x 3 mm

For subsequently slewing-in

Solid	1…10 mm²
Flexible	1.5…10 mm²
Stranded	…
Clamping screw	M 4
Stripping length	19 mm

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	Blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	Yellow, Green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	Black	8 mm	22.5 mm	19.5 mm	50	0525910000

for busbar 10 x 3 mm

Solid	2.5…16 mm²
Flexible	2.5…16 mm²
Stranded	16…25 mm²
Clamping screw	M 4
Stripping length	16 mm

ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	Silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	Silver	10 mm	19 mm	26.8 mm	50	0502860000

for busbar 10 x 3 mm

Solid	16…16 mm²
Flexible	16…35 mm²
Stranded	…
Clamping screw	M 6
Stripping length	19 mm

ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	Silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	Silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	Silver	14 mm	32 mm	34 mm	20	0502610000

for busbar 10 x 3 mm

Tension clamp connection

Solid	0.5…4 mm²
Flexible	0.5…2.5 mm²
Stranded	…
Clamping screw	
Stripping length	10 mm

ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	Silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	Silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	Silver	6.1 mm	24.5 mm	22 mm	50	1814670000

for busbar 6 x 6 mm

Solid	0.5…6 mm²
Flexible	0.5…4 mm²
Stranded	…
Clamping screw	M 3
Stripping length	16 mm

ZB 4 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6K BL	Silver	6 mm	25 mm	14.7 mm	50	0565480000
ZB 4/6K GE/GN	Silver	6 mm	25 mm	14.7 mm	50	0565460000

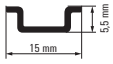
for busbar 6 x 6 mm

Solid	2.5…16 mm²
Flexible	2.5…16 mm²
Stranded	16…25 mm²
Clamping screw	M 4
Stripping length	12 mm

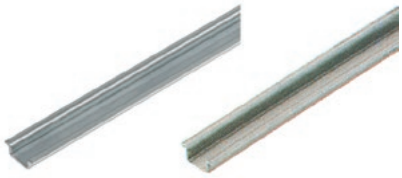
ZB 16 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6K GE/GN	Silver	10 mm	25 mm	30.7 mm	50	0569660000

TS 15 terminal rail



unslotted

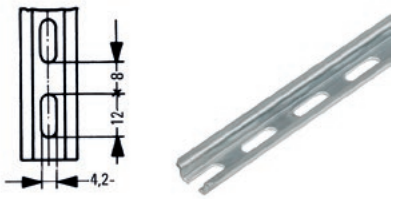


TS 15 x 5

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Aluminium					
TS 15X5 2M/AL/BK	76.00 A	5.5 mm	2000 mm	2	**0134700000**
Steel, galvanised and passivated					
TS 15X5 2M/ST/ZN		5.5 mm	2000 mm	2	**0514200000**

TS 15 terminal rail

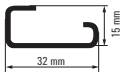
with slot



TS 15 x 5

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 15X5/LL 2M/ST/ZN		5.5 mm	2000 mm	2	**0117500000**
TS 15X5/LL 1M/ST/ZN		5.5 mm	1000 mm	1	**0117510000**

TS 32 terminal rail



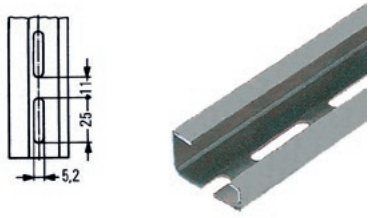
unslotted

TS 32 x 15

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Aluminium					
TS 32X15 2M/AL/BK	192.00 A	33 mm	2000 mm	2	**0169300000**
Steel, galvanised and passivated					
TS 32X15 2M/ST/ZN		33 mm	2000 mm	2	**0122800000**
Stainless steel					
TS 32X15 2M/CRN		33 mm	2000 mm	2	**0293220000**
TS 32X15 2M/AL/BK: max. permitted rated current for PEN function = 192 A					

TS 32 terminal rail

with slot



TS 32 x 15

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 32X15/LL 2M/ST/ZN		33 mm	2000 mm	2	**0514400000**

TS 35 x 7.5 terminal rail

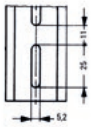
unslotted

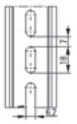
TS 35 x 7.5

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Aluminium					
TS 35X7.5 2M/AL/BK	125.00 A	35 mm	2000 mm	2	**0330800000**
Steel, galvanised and passivated					
TS 35X7.5 2M/ST/ZN		35 mm	2000 mm	2	**0383400000**
TS 35X7.5 1M/ST/ZN		35 mm	1000 mm	1	**0383410000**
Stainless steel					
TS 35X7.5 2M/CRN		35 mm	2000 mm	2	**1747350000**
TS 35X7.5 2M/AL/BK: max. permitted rated current for PEN function = 125 A					

TS 35 x 7.5 terminal rail

with slot

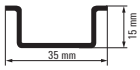




TS 35 x 7.5

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 35X7.5/LL 2M/ST/ZN		35 mm	2000 mm	2	**0514500000**
TS 35X7.5/LL 1M/ST/ZN		35 mm	1000 mm	1	**0514510000**
TS 35X7.5/LL/6 2M/ST/ZN		35 mm	2000 mm	2	**0514570000**

TS 35 x 15 terminal rail



unslotted

TS 35 x 15

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Copper					
TS 35X15/2.3 2M/CU/BK	309.00 A	35 mm	2000 mm	2	**0270100000**
Steel, galvanised and passivated					
TS 35X15/2.3 2M/ST/ZN		35 mm	2000 mm	2	**0498000000**
Aluminium					
TS 35X15/2.3 2M/AL/BK	192.00 A	35 mm	2000 mm	2	**1848290000**
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

TS 35 x 15 terminal rail

unslotted

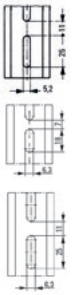
TS 35 x 15

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
Steel, galvanised and passivated					
TS 35X15 2M/ST/ZN		35 mm	2000 mm	2	**0236400000**
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

C

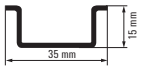
TS 35 x 15 terminal rail

with slot



TS 35 x 15

Type Steel, galvanised and passivated	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
TS 35X15/LL 2M/ST/ZN		35 mm	2000 mm	2	**0236500000**
TS 35X15/LL 1M/ST/ZN		35 mm	1000 mm	1	**0236510000**
TS 35X15/6X18 2M/ST/ZN		35 mm	2000 mm	2	**1805980000**
TS 35X15/6X25 2M/ST/ZN		35 mm	2000 mm	2	**1866290000**



TS 35 x 15 terminal rail

unslotted

TSK 35 x 15

Type Plastic PVC RAL 7035	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
TSK 35X15 2M PVC/GR		15 mm	2000 mm	2	**0514300000**

End cap for TS 35

End cap for TS 35

Type End cap TS 35 x 7.5	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
TS END CAP 35X7.5		37.5 mm		100	**1283470000**
End cap TS 35 x 15					
TS END CAP 35X15		37.5 mm		100	**1283480000**

C

for TS 15 terminal rail

EW 15

EW 15/2

ZEW 15

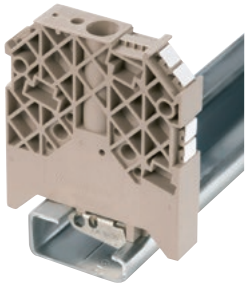
Type	Colour	Torque	Qty.	Order No.
Polyamide 66, screwable				
EW 15	Beige		50	**0382860000**
Polyamide with fibre glass, screwable				
EW 15/2	Dark Beige		50	**1071900000**
Polyamide 66, screwless				
ZEW 15	Beige		20	**7920340000**

for TS 32 terminal rail

EWK 1

EWK 2

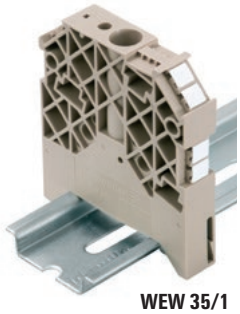
MEW 1/32



WEW 32/1

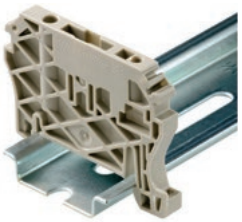
Type	Colour	Torque	Qty.	Order No.
Polyamide 66, screwable				
EWK 2	Beige		50	**0199360000**
EWK 1	Beige		50	**0206160000**
Polyamide with fibre glass, screwable				
WEW 32/1	Dark Beige		50	**1067600000**
Metal, screwable				
MEW 1/32	Grey		20	**0445600000**

for TS 35 terminal rail



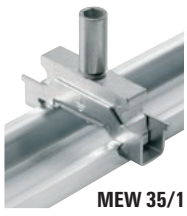
WEW 35/1

WEW 35/2



ZEW 35/2

EW 35



MEW 35/1

Type	Colour	Torque	Qty.	Order No.
Polyamide with fibre glass, screwable				
WEW 35/1	Dark Beige	1.2 Nm	50	**1059000000**
WEW 35/2	Dark Beige	0.5 Nm	100	**1061200000**
WEW 35/1 GR	Grey	1.2 Nm	50	**1227890000**
WEW 35/1 SW	Black	1.2 Nm	50	**1162600000**
WEW 35/2 GR 7042	Grey	0.5 Nm	100	**1859200000**
WEW 35/2 SW	Black	0.5 Nm	100	**1061210000**
Polyamide 66, screwless				
ZEW 35	Dark Beige		20	**9540000000**
ZEW 35/2	Dark Beige		20	**8630740000**
ZEW 35 GR	Grey		20	**1238040000**
ZEW 35/2 GR	Grey		20	**1227850000**
ZEW 35/2 SW	Black		20	**1162610000**
Polyamide 66, screwable				
EW 35	Beige	0.5 Nm	50	**0383560000**
EW 35 GR 7032	Grey		50	**0383530000**
EW 35 DB	Dark Beige		50	**1269050000**
Metal, screwable				
MEW 35/1	Grey		10	**1805610000**
For busbar cross-section 10 x 3, 6 x 6For busbar cross-section 10 x 3, 6 x 6				

Terminal rail support

TSTW 5/M5
TSTW 5/M5 verzinkt
TSTW 6/M6

Type	Internal thread	Qty.	Order No.
TSTW 5/M5	M 5	10	0178100000
TSTW 5/M5 ZN	M 5	10	1779100000
TSTW 6/M6	M 6	10	0164000000

Terminal rail supports of type TSTW serve for angledmounting of terminal rails at an angle of 35°.

Terminal rail support

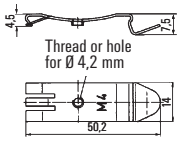
TST

Type	Internal thread	Qty.	Order No.
TST 2/M5	M 5	10	1286600000
TST 2/M6	M 6	10	0101700000
Type		**Qty.**	**Order No.**
Mounting plates and fastening screws			
FKSC M6X8 D9/SW3		50	0642600000
Mounting screw			
FKSC M5X8 D9/SW2.5		50	0295900000
FKSC M6X12 D9/SW3		50	0353500000

The TST terminal rail support serves to install terminal rails in the frame or using a cut-out.
For the terminal rail supports, Weidmüller offers fastening screws with hexagonal socket and an especially low head, such that terminal blocks can also be mounted above the screw.

Mounting feet

FM 4

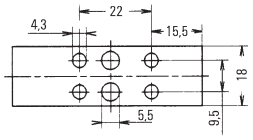


FM 5, FM 6 and FM 4.2: similar to illustrations

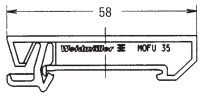
Type	Internal thread	Qty.	Order No.
FM 4 foot			
FM 4/TS35		40	0687900000
FM 5/TS35		40	0636800000
FM 6/TS35		40	0636900000
FM 4.2/TS35		40	1724580000

Mounting feet

MOFU 35/LO/1

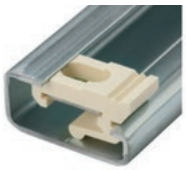


MOFU 35

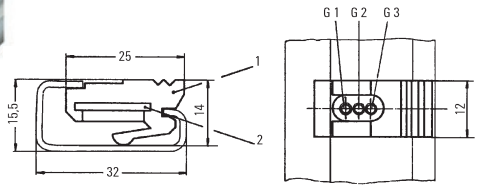


Type	Internal thread	Qty.	Order No.
MOFU 35/LO/1		20	0646260000
MOFU 35		20	0495660000
MOFU 35/LO/1 SW		20	0646210000

Mounting feet



MB



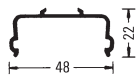
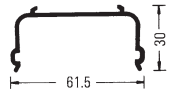
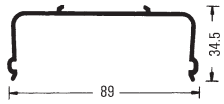
Type	Internal thread	Qty.	Order No.
MB M3/M5 CRM		20	0503500000
MB M5/M3 SW		20	0553400000
MB M6/M4 GR		20	0334900000

The sliding nuts for the TS 32 terminal rails are each fitted with two threaded holes for M3 + M5/M6 + M4/M5 + M3 screws. They serves to attach components that cannot be directly snapped onto the TS 32 and particularly to hold the smaller TS 15 top-hat rail. For example, small terminal blocks can firstly be snapped onto the TS 15 and then this rail can be attached to the TS 32 using the sliding nuts.

ADP

Cover strips

Material: unplasticised PVC
Supplied in 1 m lengths
Temperature limit: max. 70 °C

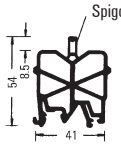
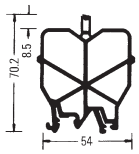
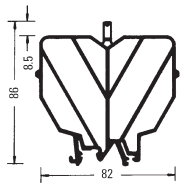
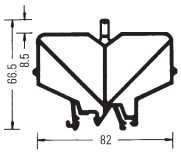
transparent		
Type		**Order No.**
ADP 1		**0485200000**
ADP 2		**0485300000**
ADP 3		**0485400000**
ADP 4 (1000 mm)		**1430760000**

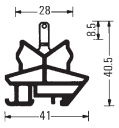
transparent		
Type		**Order No.**
ADP 4 (300 mm)		**1378160000**

HP

Retaining plates

Material: PA 66
Thickness: 2 mm

For mounting on TS 35 / TS 32, with spigot for lead seal		
Type		**Order No.**
HP 1		**0485560000**
HP 2		**0485660000**
HP 3		**0485760000**
HP 4		**0485860000**

For mounting on TS 15		
Type		**Order No.**
HP 7		**0258260000**

Covers

Overall dimensions	**A**	**A**	**A**	**A**	**B**	**C**
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	86		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6

Marking materials	**Type**	**Qty.**	**Order No.**
Card with warning "lightning flash", self adhesive 20 pcs. per card	BEZ.-KARTE ADP	10	**0566700000**

Systemised marking
For optimised processes

Your primary expectation of a marking system is that it clearly shows how your components are configured. This includes an accurate printed image, ease of use and usability in an industrial environment. You need data entry and administration software to provide optimum support. During marker output, the speed should be adaptable to your needs. In order to provide the right marking solution for all products at all time, we have built up a unique overall system of markers, printers and software. The tailored range of products ensures precise identification throughout the whole panel – or, for short, systemised marking.

Our promise
Our harmonised system of software, markers and printers allows you to optimise processes – from entering your data to the finished marker for the individual panel configuration. You have a clear overview to allow clear identification of panel components.

More detailed information on our marking system is available at **www.weidmueller.com/marking**

Order data is available in our online catalogue. Enter the code **#01223** into the search box on our website to go to the markers and printers directly.

Flexible printing on plastic and metal markers with inkjet printer
The MultiCard concept is our standard for modern, innovative identification and marking systems. With over 270 variants, it offers neutral plastic markers in a standardised card format for all Weidmüller terminal blocks and terminal blocks from other manufacturers. We also offer the appropriate marker options for the simple and quick connection of conductors, cables and devices.

Use our PrintJet ADVANCED inkjet printer for quick clear labelling of large volumes. Its precise colouring and thermal fixing ensure continuous and robust identification. MetalliCard formats made of aluminium and stainless steel can also be printed just as securely. Its wide range of applications and flexibility allows this printer to provide standard-compliant and efficient marking. Depending on the requirements, it is operated either with our user-friendly planning software M-Print® PRO or as a standalone solution with saved templates using a USB stick.

Endless marking with MultiMark and the thermo-transfer printer

The MultiMark terminal markers are endless material with a special stamped pattern. This means they can be rotated easily, which is ideal for compensating tolerances in long terminal blocks. The MultiMark formats are printed using the compact, modular THM MPP thermo-transfer printer which offers high levels of flexibility. The optional cutting and perforation option enables the endless material to be cut to any length. This makes cutting and assigning the relevant labels very simple. The THM MMP is also the ideal printer when it comes to printing fabric and polyester labels, shrink sleeves and PLC labels. The major benefit: you can make all the labels in and around the panel using just one printer.

Highlight

The THM MPP thermo-transfer printer is a compact all-rounder with an intuitive touch-screen display and status indicator, making it easy to operate in 22 languages. Its compact design and weight of just 3.5 kg means it can also be easily used outside the workshop.

Made for professional work

One-stop shopping for quality tools

You need them for wiring and testing, for commissioning and maintenance – tools are a constant companion when it comes to panel building. They need to sit well in the hand and guarantee consistently high workmanship even after many working cycles. Our quality tools are a choice that will bring you happiness for a long time. Our range includes proficient manual tools for cutting, stripping, crimping, testing and screwing, as well as machines and accessories. From installation of the terminal blocks to installation of delicate electronic components, you can find the right tool for all applications from us.

Our promise

Weidmüller tools were developed with the aim of making your work easier, optimising working processes and thus increasing productivity in panel building. The perfect coordination of terminal blocks, wire-end ferrules and conductors guarantees the best possible working results.

Detailed information on our range of tools is available at **www.weidmueller.com/tools**

Order data is available in our online catalogue. Enter the code **#01225** into the search box on our website to go to the tools directly.

The right quality tool for every stage of the process

Cutting

With our robust cutting tools, you can rely on smooth, straight cuts with no deformation of the conductor. Whether you need to cut copper or aluminium cables with small or large cross-sections, the mechanical drive and specific cutting shape allow really ergonomic work.

Stripping

Our precision tools specialise in stripping and sheath stripping of cables to guarantee reliable results. The wide product range is perfectly tailored to insulation and the wire cross-section and guarantees perfect wiring for all sorts of cable types.

Crimping

Our selection of crimping tools fits a wide range of conductors, wire-end ferrules and contacts. This ensures optimum processing quality in all applications. The result is stable, long-lasting connections which meet all relevant international standards and regulations.

Testing and measuring

From voltage testers through clamp-on meters, use our complete range of testing and measuring instruments for precise results. Besides the highest possible reliability for optimum application protection, the devices provide impressively easy handling.

Pliers

Our range of ESD pliers meets all national and international testing standards. The special material of the handles prevents electrostatic discharge. And the ergonomic design of the pliers allows fatigue-free work.

Screwing
High torques and optimum transfer of axial force – our manual and battery-powered torque screwdrivers enable exact, effective work with high levels of repeat accuracy. They are available in four sizes to fit all hands and requirements.

Automatic machines
Automating individual work stages such as cutting to length, stripping and crimping helps increase efficiency. With our robust, user-friendly machines for cable processing, you reduce installation times and minimise production costs.

Wire-end ferrules and cable connectors
With our wire-end ferrules and insulated cable connectors, you guarantee safe connections in the long term. We provide these accessories to match our components and tools in various versions and colour alternatives.

Highlight

Real added value for you: you can have your tools regularly tested and maintained in our in-house tool certification office. This allows you to guarantee consistent functionality and quality.

For every industry and every application

Klippon® Protect enclosure system gives safety and protection to connection solutions

Enclosures fulfil an important safety function and prove their worth every day, even under the toughest of conditions. All industries have their own specific requirements in terms of enclosure technology – from machine construction through transport and energy engineering to the process industry. At the same time, the enclosures must meet the strict requirements with respect to the necessary international approvals. Our Klippon® Protect enclosure system covers all approvals required for use in industrial and explosive risk zones. It is also so flexible that it allows optimum adaptation to your requirements.

Our promise

The flexible Klippon® Protect enclosure system forms the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our assembled enclosure assemblies which are optimised to your requirements and offer excellent protection. Individual services round off our range to provide you with optimum process support.

More detailed information on our wide range of Klippon® Protect enclosure systems can be found at **www.weidmueller.com/klipponprotect**

Order data is available in our online catalogue. Enter the code **#01227** into the search box on our website to go to Klippon® Protect directly.

Universal range

Whether it is stainless steel, aluminium or plastic, the universal enclosures from Klippon® Protect offer your assembly excellent protection in industrial or explosive risk zones. With these robust enclosures in the relevant degrees of protection, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion and customisation.

Application range

Our Klippon® Protect application products are designed for specific protection requirements in the field. These include application solutions for monitoring and safety, measurement and control technology and power distribution. The basis for these application solutions is formed by high quality and comprehensive approvals for explosive risk zones. You can obtain enclosure solutions such as distributor housings, terminal boxes and command and messaging devices from a single source and with a consistent enclosure design – for maximum safety, reliable functionality and low follow-up costs for maintenance, replacement and storage.

Services

Our assembly services combine consultancy, application expertise and industry know-how to offer you a tailored solution. We provide you with exclusively developed and produced enclosures. This helps your plant fulfil the highest standards of safety, quality and performance against international

competition. You can benefit from our one-stop-shop production quality to reduce your costs, increase efficiency and simplify quality management.

Even with individually assembled products, we guarantee quick, quality-focused production and order-based product availability. From small quantities to complete location supplies: everything is available where you need it within a short space of time.

Online selection assistant
Whatever application you are planning – we deliver housing designs to fit a range of different applications. In order to make this process even more efficient, we offer a modular system from which you can put together your own individual enclosure design. To do this, simply use our online product assistant: **#01221**

Highlight

Control Station is a real highlight of our application range. This customer-specific assembled enclosure is a robust "on-site control station" and is perfect for emergency stop applications. It is used when it comes down to the safe switch-off of system components, such as in the process industry or machine construction.

Materials

You can always rely on the high quality of the metals and insulating materials we use: they are subject to strict monitoring through a DIN EN ISO 9001 certified quality management system.

A high level of quality assurance is essential for us to always offer you first grade products. Starting with the quality management of our products based on ISO 9000 ff. through to permanent monitoring by independent institutes who monitor our production facilities, as well as quality management and our in-house laboratory. You therefore benefit from maximum reliability and durability!

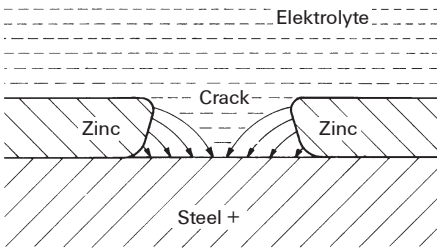
Accredited test laboratory
Reliability of technical data is of the highest priority for the user. Accreditation in accordance with DIN EN ISO/IEC 17025 through an external, independent institution (Deutsche Akkreditierungsstelle für Technik GmbH) attests to the competence of the laboratory to perform tests on terminal blocks, connectors, electronic equipment, including EMC and environmental testing. So you can be sure our products can be used everywhere – worldwide.

Metals

The metals we use are selected and processed with their surfaces treated according to the latest technical knowledge. In addition, our welding area is certified in accordance with DIN EN ISO 3834-3 for fusion welding of metal-based materials.

Steels

Steel ensures mechanical stability for all our connection systems. In order to permanently maintain the contact force, the steel parts are electrogalvanised and provided with additional passivation by means of a chromate layer. The advantage of surface protection with zinc lies in the high corrosion protection effect. It is also effective for a long time, even after the zinc coating has been partially damaged by scratches or pores. Furthermore, in the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel. This protects the underlying material from attack.



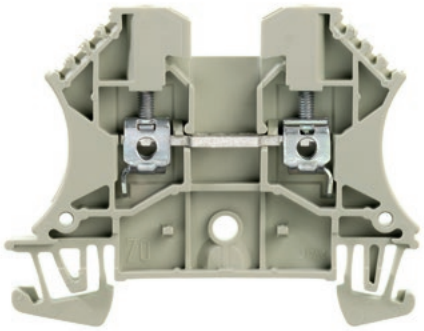
The surface protection ensures a high contact force, even in the presence of cracks

Conductive substances

The current-carrying materials copper, brass and bronze are characterised by high conductivity plus good mechanical properties. The surfaces are usually coated with zinc. Besides corrosion protection, this ensures high contactability, which leads to low contact resistance. Solder connections also have a zinc layer. In order to guarantee long-term solderability, an additional nickel coating is applied to the brass parts as a diffusion barrier. The nickel coating provides effective protection against outward diffusion of zinc atoms from the brass.

Connections proven a million times

Two materials are perfectly suited for our connection systems: steel provides for mechanical stability and copper for electrical conductivity. The terminal units consist of hardened steel – for very high contactability. The current bars are made of copper and ensure low voltage drops.



Whether rigid or flexible conductors, with or without wire-end ferrules – the right copper conductor is available for every connection system

C

Insulating materials

Insulating materials tailored to the respective application ensure that our products optimally meet your requirements. In the selection of materials, we take care in ensuring high environmental compatibility: the insulating materials we use are free from hazardous substances such as cadmium and colour pigments based on heavy metals, as well as substances forming dioxins and furans.

Material		Ceramic	Duroplasts	
	Plastic/abbreviation	**Ceramic**	**Gemin KrG**	**Epoxy resin (EP)**
		Ceramic is an excellent material for electronics because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, low loss factor and high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.	Duroplasts have high dimensional stability, low water absorption, extremely good tracking resistance and outstanding fire resistance. The continuous operating temperature is higher than that of thermoplastics. The deformation resistance of the duroplasts under elevated thermal load is better than for thermoplastics. A disadvantage compared with thermoplastics is the low flexibility of duroplasts.	
		Insulating material	Melamine resin moulding compound MF type 150 (DIN EN ISO 14 528) inorganic filler	Epoxy resin with inorganic filler
Colour		**white**	**medium yellow**	**black**
Description				
		• Top continuous operating temperature • High fire resistance • Liquid-repellent • High tracking resistance • Inherent flame protection	• High constant operating temperature • High fire resistance • High tracking resistance • Inherent flame protection • Halogen-free flame retardant material	• Very good electrical properties • Very high constant operating temperature • Resistant against high-energy radiation • Halogen and phosphorous-free flame retardant
Properties				
Volume resistance acc. to IEC 60093	Ω x cm	–	10^{11}	10^{14}
Dielectric strength acc. to IEC 60243-1	kV/mm	> 10	10	160
Tracking resistance (A) acc. to IEC 60112	CTI	≥ 600	≥ 600	≥ 600
Upper max. permissible limit temperature	°C	250	130	160
Lower max. permissible limit temperature (static)	°C	-60	-60	-60
Flammability acc. to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0
Flammability characteristics acc. to German railway standard				

Thermoplastics

Wemid	Polyamide (PA)	Polyamide (PAGF)	Polybutylene terephtalate (PBT)	Polycarbonate (PC)
Wemid is a modified thermoplastic which has properties tailored to meet the requirements of our line connectors. Advantages over PA are the improved fire protection and the higher continuous operating temperature. Wemid meets the strict requirements for use in railway vehicles acc. to NF F 16-101.	**Polyamide (PA)** is one of the most widely used engineering plastics. The advantages of this substance are its good electrical and mechanical properties, its flexibility and lack of fracture susceptibility. In addition, PA offers good fire resistance on account of its chemical structure, even without the addition of flame retardants.	**Glass-fibre reinforced polyamide (PAGF)** offers outstanding dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. As compared to non-reinforced PA, this material has flammability rating HB according to UL 94.	**Thermoplastic polyester (PBT)** offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.	
Special Weidmüller insulating material	Insulating material	Insulating material	Depending on application with or without glass fibre reinforcement	Depending on application with or without glass fibre reinforcement
dark beige	**beige**	**beige**	**orange**	**grey**
• Higher continuous operating temperature • Improved fire resistance • Halogen- and phosphorous-free flame retardant • Low smoke produced in the event of fire • Permitted for use in railway applications acc. to NF F 16-101	• Flexible, lack of fracture susceptibility • Good electrical and mechanical characteristics • Self-extinguishing characteristic • Halogen-free flame retardant material	• Excellent dimensional stability • Very good mechanical characteristics • Halogen-free flame retardant material	• High dimensional stability • Good electrical and mechanical characteristics • Flame retardant that does not form dioxins or furans	• High dimensional stability • High continuous operating temperature • High electrical insulation properties • Halogen-free flame retardant material
10^{12}	10^{12}	10^{12}	10^{13}	10^{16}
25	30	30	28	≥ 30
600	600	500	200	≥ 175
130	100	100	115 / 130	115 / 125
–60	–50	–50	–50	–50
V-0	V-2	HB	V-0	V-2 / V-0
I2 / F2 *)				I2 / F2
*) also certified to LUL E 1042				

C

Relevant standards – an overview

Standards have the status of a recommendation and are not legally binding. They serve to ensure the safety of systems and represent the acknowledged state of the art. We therefore always recommend compliance with the contents – irrespective of agreements and customer requirements.

The Low Voltage Directive IEC/EN 61439

Since November 2014, IEC/EN 61439 has replaced the previously applicable standard IEC/EN 60439 for low-voltage switchgear and controlgear assemblies. It comprises seven parts:

1. General rules for low-voltage switchgear and controlgear assemblies (SCA)
2. Power switchgear and controlgear assemblies (PSC)
3. Distribution boards
4. Assemblies for construction sites
5. Cable distribution cabinets
6. Busbar distribution systems
7. Assemblies for marinas, camping sites, electric vehicles charging stations (preliminary standard)

In order to confirm compliance with IEC/EN 61439, it is important that you always refer to Part 1 and one of the following parts. The standard is addressed to every manufacturer and operator of switchgear and controlgear assemblies (SCA) up to 1,000 V AC and 1,500 V DC. Irrespective of whether you assemble the SCA stationary or mobile, with or without enclosure system.

The low-voltage switchgear standard IEC/EN 60947-1

This standard applies for industrial low-voltage switchgear assemblies used in circuits up to 1,000 V AC or 1,500 V DC. It defines the general rules and requirements for low-voltage switchgear assemblies. This includes, for example, the definition, characteristic features, information to be supplied, normal conditions for operation, installation and transport as well as requirements for the construction and verification of characteristic features and behaviour.

Interaction between the standards

IEC/EN 61439 for switchgear and controlgear assemblies

With the withdrawal of the previous version on 23 September 2014, the DIN EN 61439: 20 0-06 standard for "Low-voltage switchgear and controlgear assemblies" – Part 1: General rules became binding for the switchgear and controlgear assemblies defined. This standard includes a series of changes that you have to consider as a switchgear manufacturer. However, these changes have no direct influence on the components, such as terminal blocks, which have to comply with the relevant product standard.

The importance of DIN EN 61439 for components

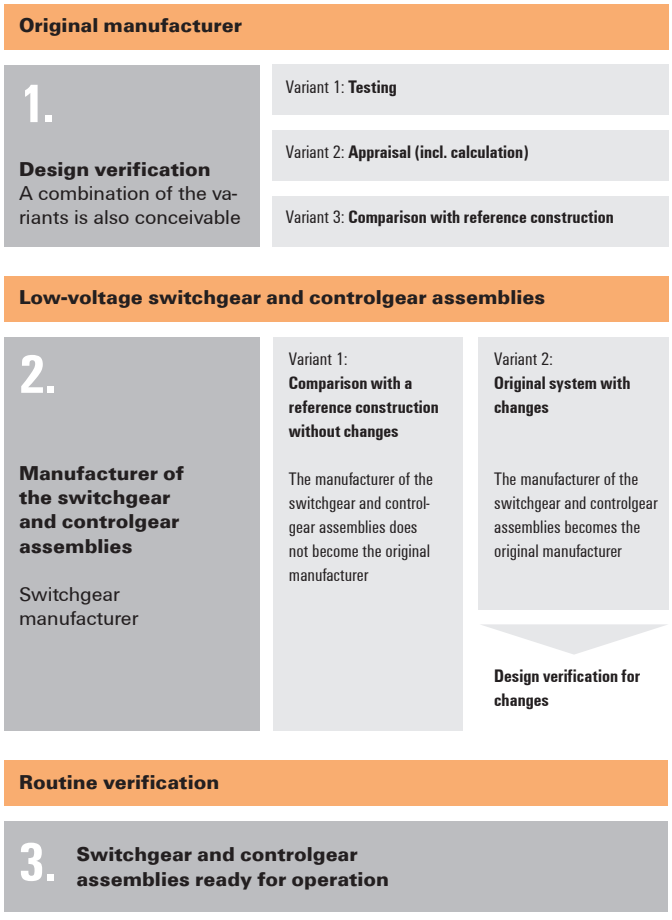
Components that meet the requirements of the applicable product standard are suitable for direct use in switchgear systems. They must, however, take the definitions of standard series DIN EN 61439 into consideration.

The properties required from DIN EN 61439-1 are covered by the product standard for terminal blocks EN 60947-7-1(2, 3). As an aid for the required design verification for switchgear and controlgear assemblies, the following table provides you with further information on terminal blocks. Additional design verification is not required for individual items of equipment or components.

Summarised

- IEC/EN 61439 is a new series of standards for the construction of switchgear and controlgear systems
- With the design verification, you as the manufacturer provide evidence for the suitability of the system
- You still confirm conformity with the standard by signing the EC Declaration of Conformity

Low-voltage switchgear and controlgear assembly



Guidelines for the construction of a switchgear and controlgear assemblies in accordance with the standard

C

Checklist design verification according to IEC/EN 61439

Design verification for terminal blocks and their accessories

Nr.	Characteristics to be proved	Section	Adaptability for terminal blocks
1	Strength of material and parts:	10.2	
	• Corrosion resistance	10.2.2	The requirements refer exclusively to cabinets for switchgear.
	properties of insulation material:	10.2.3	Terminal blocks are designated for the installation in appropriate cabinets.
	• Thermal stability	10.2.3.1	
	• Resilience to extreme heat and fire due to internal electrical effects	10.2.3.2	The requirements refer exclusively to parts of the switchgear and controlgear assembly. Inserted components like terminal blocks are not affected.
	• Resistance to UV radiation	10.2.4	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Lifting	10.2.5	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Impact test	10.2.6	Terminal blocks are designated for the installation in cabinets, thus not relevant
	• Marking	10.2.7	Terminal blocks bear the inscriptions, like it is determined in section 5 of the product standard.
2	Degree of protection and enclosures	10.3	Terminal blocks are designated for the installation in cabinets, thus not relevant
3	Clearances	10.4	The required clearances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).
4	Creepage distances	10.4	The required creepage distances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).
5	• Protection against electric shock and integrity of protective circuits	10.5	Covered by the type test for modular PE conductor terminals according to EN 60947-7-2. The quality and consistency of the PE conductor connection has to be verified by resistance
	• Effective continuity between the exposed conductive parts of the assembly and the protective circuit	10.5.2	measurement at the end use.
	• Short-circuit withstand strength of the protective circuit	10.5.3	Not relevant, has to be judged in the end use. PE conductor terminals are subjected to a test of short-time withstand current in the context of the type test according to EN 60947-7-2.
6	Installation of equipment	10.6	Installation and tight fit of terminal blocks is secured by the requirements and relevant tests according to the product standard.
7	Internal circuits and connections	10.7	Not relevant, has to be judged in the end use for terminal blocks.
8	Connections for conductors inserted from outside	10.8	Secured by selection of the terminal block as well as its type test according to EN 60947-7-1(2). The final assessment has to be made in the end use.
9	Insulation properties:	10.9	Tests to the insulation properties are part of the dimensioning of type tested terminal blocks
	• Operating frequency dielectric strength	10.9.2	according to EN 60947-7-1(2).
	• Surge voltage strength	10.9.3	The verification for the switchgear and controlgear assembly takes place in the end use for the terminal blocks.
10	Temperature rise limits	10.10	The rated values for terminal blocks according to EN 60947-1(2 ,3) can be used for the dimensioning of the temperature rise limits. The verification has to be provided for the respective application, e.g. by measurement or calculation. The calculation of the terminal block's power dissipation can take place in the application by means of the electrical resistance as a function of current: $P_{loss} = R_{max} * I^2$
			Following maximum resistances per electrical potential according to EN 60947-7-1(2, 3) subject to the cross section for the terminal block are permitted:

Cross section/mm²	1.5	2.5	4	6	10	16	25	35
Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26

Cross section/mm²	50	70	95	120	150	185	240	300
Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06

11	Short-circuit withstand strength	10.11	**For cross sections up to 35 mm²** In sectors after current-limiting (5ms) protections devices <100 A (fort Icp <10 kA) At an unaffected short-circuit current of the grid Icp <=10 kA (in front of the switchgear), a forward current ID with maximum 17 kA will arise with an upstream protection device. According to the section 10.11.2 of EN 61439-1, the switchgear manufacturer does not have to provide evidence in this case. This requirement is fulfilled by protection devices up to 100 A equipment (application of up to 35 mm² terminal blocks). **For cross sections from 50 mm²** In sectors after current-limiting (5 ms) protection devices <=630 A (Icp >10 kA) At an unaffected short-circuit current of the grid Icp >10 kA (in front of the switchgear), a forward current ID will flow of up to the period of 5 ms with an upstream protection device. The switchgear manufacturer has to provide evidence for the maximum forward current ID by declaration of the terminal block's Ipk (surge current strength, which the terminal block is able to conduct without being destroyed).
12	Electromagnetic compatibility	10.12	Not relevant, because terminal blocks are seen as passive components according to the product standard EN 60947-7-1(2, 3).
13	Mechanical operation	10.13	Not relevant

Technical requirements from the standards

Rated cross-section

The rated cross-section of a terminal block is the value of the connectable wire cross-section, as specified by the manufacturer. This serves as a reference for certain thermal, mechanical and electrical requirements. The rated cross-section is selected from the following standard cross-sections: 0.2 – 0.5 – 0.75 – 1.0 – 1.5 – 2.5 – 4.0 – 6.0 – 10 – 16 – 25 – 35 – 50 – 70 – 95 – 120 – 150 – 240 – 300 mm².

Terminal blocks have a rated connection capacity that is at least two levels lower than the rated cross-section. The conductors can be solid, stranded or flexible, possibly with conductor end pretreatment. The verification of the rated cross-section is performed with gauges according to IEC 60947-1.

Rated current IEC 60947-7-1

Test currents are assigned to the rated cross-sections according to IEC 60947-7-1. These rated currents cause no impermissible heat transfer to the terminal:

mm²	1.5	2.5	4.0	6.0
A	17.5	24	32	41
mm²	10	16	25	35
A	57	76	101	125
mm²	50	70	95	120
A	150	192	232	269
mm²	150	185	240	300
A	309	353	415	520

Conventional free-air thermal current (Ith)

The conventional thermal current in free air (Ith) is the highest test current for heating tests of unenclosed devices (see 4.3.2.1 of IEC 60947-1.) This applies exclusively to terminal blocks with multiple connection levels (multi-tier terminals) and to test-disconnect terminal blocks for which current reduction is permissible.

Rated voltage IEC 60947-7-1

The rated voltage of a terminal block is the rated insulation voltage to which the insulation tests and creepage distances relate. It is determined analogously to IEC 60664-1.

Rated surge voltage IEC 60947-7-1

The rated surge voltage is the peak value of a surge voltage with which the terminal blocks can be subjected. The clearance distances in IEC 60947-1 and IEC 60664-1 are related to it.

Pollution severity IEC 60947-7-1

The pollution severity defines the influence of solid, liquid or gaseous foreign matter, which may reduce the dielectric strength or the specific surface resistance. Pollution severity 3 has been specified for terminal blocks for industrial applications: conductive contamination occurs on dry, non-conductive contamination which becomes conductive as moisture condensation may also occur. The minimum air clearance measurement is defined in IEC 60947-7-1 in conjunction with the rated surge voltage.

Operating conditions

The terminal blocks can be operated under the following normal conditions:

- Ambient temperature –5 °C to +40 °C, mean value 24 h +35 °C
- Altitude up to 2000 m above sea level
- Relative humidity: 50 % at +40 °C, 90 % at +20 °C

Testing the contact security

Construction requirements
IEC 60947-7-1 requires that clamping points must ensure a reliable mechanical and electrical connection with permanent contact.

Tests
Standardised tests offer you the assurance that wired connections comply with the required conditions.
IEC 60947-7-1 stipulates a series of tests for wire connections in terminal blocks. One or more terminals of a particular type are tested for agreement with certain limit values. These include:

- Insulation test
- Evidence of the voltage drop
- Testing of the short-time withstand current capacity
- Aging testing for terminal blocks with tension clamp, insulation displacement and PUSH IN connection technology

Special testing
Beyond the stipulated scope of type testing, further tests can be performed at your own discretion or in agreement with the user.

Contact security
The high level of contact security and reliability are verified with our systems using various tests (see table).

1 Type testing acc. to IEC 60947-7-1

2 Stricter Weidmüller tests
2.1 Mechanical tests:
- Vibration testing to Weidmüller requirements
- Natural resonance characteristics acc. to IEC 60068-2-6
- Shock and vibration testing acc. to BV 0440/... and BV 0430/

2.2 Environmental testing:
- Cold testing acc. to EN 60068-2-1
- Damp heat (steady state) acc. to IEC 60512-6 test 11c
- Damp heat (steady state) acc. to IEC 60068-2-30
- Damp heat (cyclic) acc. to IEC 60068-2-30
- Salt spray testing acc. to IEC 60068-2-11
- Sulphur dioxide SO2 acc. to IEC 60068-2-42
- Hydrogen sulphide H2S acc. to IEC 60068-2-43
- Gas tightness acc. to IEC 605 12_6_PR 11n

3 National and international approvals

4 Practice, i.e. the use of systems in harsh areas of application in industry, e.g. Ex applications

Protection against inadvertent, direct touching, of hazardous live parts

Touch-safe protection acc. to IEC 60529
The IP protection class, for example, IP20 against direct touching, relates to electrical equipment intended for installation in claddings. It is usually protected against direct (accidental) touching by fingers. Touch-safe protection acc. to IEC 60529 is therefore satisfied. You can test it acc. to IEC 61032 in all actuating directions by using a jointed test finger with a force of 10 N.

Finger safety according to DIN EN 61031
Finger safety is satisfied if, according to EN 61032, the straight test finger does not touch any hazardous parts in the actuating direction. You conduct this test with conductors of the rated cross-section connected.

Back of hand safety according to EN 61032
Back of hand safety is satisfied if, according to EN 61032, a sphere of diameter 50 (+0.01) mm with a force of 50 (±5) N does not touch any hazardous parts.

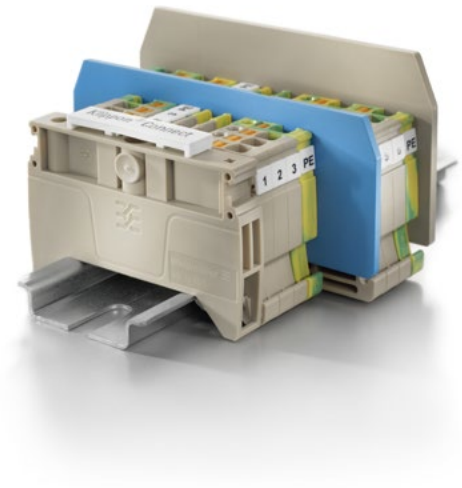
Actuation conditions according to IEC 60947-7-3
IEC 60947-7-3 paragraph 7.1.8 specifies that fuse terminal blocks must be constructed in such a way that live parts cannot be touched. Finger safety for live parts of the cartridge fuse must be maintained while the cartridge fuse is replaced. If it is necessary to maintain protection against electric shock, label with “line-load” or arrows that indicate the energy flow direction.

In general:
Not all installation components have to be configured touch-safe, as in the example of terminal blocks. A touch-safe construction is only required if these components are arranged in a direct radius of 30 mm around the operation elements and the system cannot be insulated (exception allowed on the basis of the construction using accessories in each case).

Terminal blocks in the Ex environment

Harsh industrial environments and explosive risk zones, such as in the oil and gas industry, make extreme demands on safety, robustness and quality of products and devices. Numerous standards describe what has to be considered in Ex environments. They serve as the basis for extensive approvals.

Issuing of the type examination certificate
Notified bodies issue you EC/EU type examination certificates in accordance with EN 60079-0/60079-7 and the ATEX Directive. EU type examination certificates in accordance with Directive 94/9/EC are also recognised under the new Directive 2014/34/EU. By issuing the Production Quality Assurance Notification, a notified body confirms that the requirements of the ATEX Directive are fulfilled according to Annexes IV and VII.



Confirmed according to the European Ex Directive Basic principles
The basic provisions for terminal blocks and PE terminal blocks are IEC 60947-7-1 (EN 60 947-7-1 / VDE 0611T.1) and IEC 60 947-7-2 (EN 60 947-7-2 / VDE 0611T.3).
EN 60079-0 is applicable for use in explosive risk zones and in case of elevated safety “e” EN 60079-7.

Terminal blocks in the Ex environment

According to EN 60079-0, Ex terminal blocks are "Ex components". By definition, these are components required for the safe operation of devices and protection systems, without fulfilling an autonomous function, however. They are approved for explosion protection type "e" and, according to the European ATEX Directive, they are not identified with the CE mark.

Electrical data

The values of current-carrying capacity specified in the catalogue relate to an ambient temperature of 40 °C. On loading with a rated current +10 %, the current bar of the terminal blocks heats up by a maximum of 40 K. Taking a further safety margin from EN 60079-0 into account, the following definitions arise:

Temperature class	Ambient temperature
General	–60 to +110 °C
T6	–60 to +40 °C
T5	–60 to +55 °C
T4	–60 to +70 °C

The permitted nominal current must be reduced accordingly if the actual ambient temperature is higher. The continuous operating temperature according to EN 60079-0 for the material KrG is 130 °C, for Wemid 130 °C and for the material PA 80 °C.

Identification

ATEX-directive: Ⓔx II 2 GD

Ⓔx	Ex equipment
II	2-G device group II category 2 (Zone 1 equipment)
II	2-D device group II category 2 (Zone 21 equipment)

EN 60079-7: Ex e II

Ex	Explosion protection
e	Increased safety
II	Equipment group

DEMKO 14ATEX1338U (example)

DEMKO	Notified body
ATEX	Conformity with ATEX Directive
U	Component

Accessories

The accessories you can use is listed in the Ex certificates. To adhere to the creepage and clearance distances for Ex e, use terminations and partition plates.

Design and accessories for Ex i

Terminal blocks for intrinsically-safe circuits ("i") are passive components. Therefore, for use in intrinsically-safe circuits, you do not need a type examination certificate. We recommend blue terminals for clear identification and easy recognition. These, as well as the accessories, have to comply with the type according to EN 60079-11.

Clamping capacity of two conductors under Ex e

In case of the terminal block with screw connection (W-Series), it is generally permissible to also connect two conductors per clamping point, provided this is verified in the scope of type testing according to IEC 60947-7-1 and 60947-7-2. It is important to be sure that two of the same cross-sections are used below the rated cross-section.

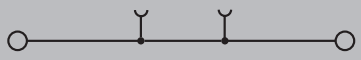
ATEX directives

Since July 1, 2003, all new facilities in explosion risk zones must be certified according to ATEX Directive 94/9/EC or ATEX 95 (ATEX: ATmosphère EXplosive = explosive atmosphere). This directive is one of the "New Approach" directives. It is valid in all countries of the European Economic Area ("EEA"), as well as Iceland, Lichtenstein and Norway. In these countries, the directive refers to the sale and commissioning of products which have been designed particularly for high explosion risk environments (where explosive atmospheres exist due to gases, vapours, mists or dusts).

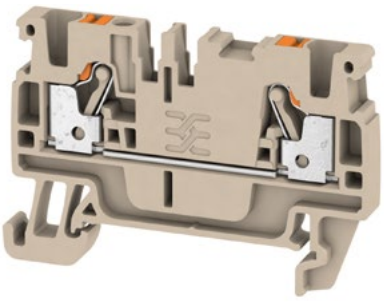
Directive 94/9/EC was superseded on April 20, 2016 by the directive 2014/34/EU.

Definitions of design types

Feed-through terminal blocks

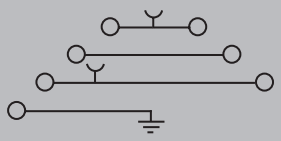


Functional description:
A feed-through terminal block is suitable for joining and/or connecting conductors and can have one or more connection levels that are insulated against one another.



Relevant standards:
- IEC 60947-7-1 / EN 60947-7-1

Multi-tier distribution terminal blocks

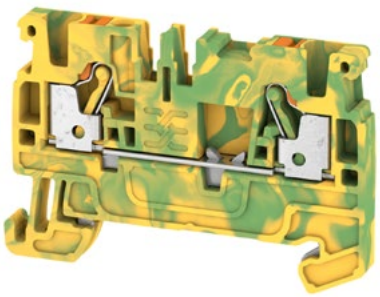


Functional description:
Multi-tier distribution terminal blocks have several connection levels and are used to join and/or connect external, neutral and protective earth conductors with a conducting PE connection to the mounting support plate. The N conductor can be disconnected to measure the insulation.

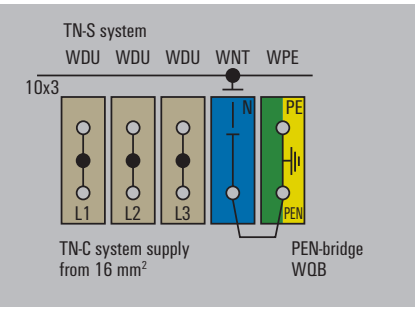
Relevant standards:
- IEC 60947-7-1
- IEC 60947-7-2
- DIN VDE 0611-4

PE terminal blocks

Functional description:
PE terminal blocks establish the electrical and mechanical connection between copper conductors and the mounting support plate. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

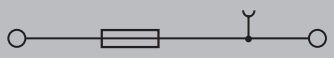


Relevant standards:
- IEC 60947-7-1 / EN 60947-7-1



PEN function
For the PEN function application, it is only permissible to use copper terminal rails according to IEC 60947-7-2.

Fuse terminal blocks



Functional description:
Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

Relevant standards:
- IEC 60947-7-3
  in conjunction with VDE 0636
- IEC 60127-2

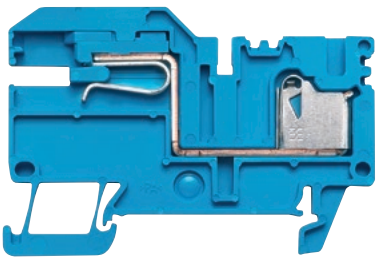
Test disconnect terminal blocks

Functional description:
You can use test disconnect terminal blocks to test and measure electric circuits in the absence of voltage. While the disconnecting point's clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

Relevant standards:
- IEC 60947-7-1

Neutral conductor disconnect terminal blocks

Functional description:
Neutral conductor disconnect terminal blocks have one longitudinal disconnector for connection to a neutral conductor busbar. The longitudinal disconnector is used to measure the insulation resistance against earth. It also enables simple testing without any need to disconnect the neutral conductor.



Relevant standards:
- IEC 60947-7-1

Using TS 35 × 15
TS 35 × 15 terminal rails for PE terminal blocks with a minimum rated cross-section of 16 mm² guarantee compliance with the required current-carrying capacity.

Service and support

Service and support	Our expertise for your requirements	V.2
	Benefit from optimum support when using our products	V.4

Our expertise for your requirements
Service connects - worldwide

Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity. Our worldwide network of industrial managers for machine construction, process automation, energy and traffic engineering and for device manufacturers know the challenges you face and can support you in your specific applications.

Training course on technologies, applications and the detailed functionality of our products is available to you locally or at our headquarter in Germany. Our personal support can answer any questions reliably and expertly. Our online services are available 365 day a year around the clock to provide answers to your questions on our products - from user documentation through software to planning tools.

In short: Weidmüller's global service combines our expertise with your requirements.

Professional advice on planning
Our global network of industrial managers has extensive experience in automation technology and electrical connectivity. This expertise allows us to assist you with advice and planning support in order to work with you on resolving the everyday challenges of your applications.

Technology and application training
Industrial automation is moving towards smart production. It faces the challenges of new technologies and applications. Our varied range of training courses develops this knowledge further or provides more in-depth information on the handling of our products and solutions. Our seminars are modular and can be customised. We can train you and your employees in our academy, on your premises if you wish or online in our webinars at any time.

Customised installation
The challenges for the future are reducing costs and increasing efficiency. This requires intelligent, individual solutions which are tailored to your requirements. We can offer a highly qualified customer-specific production service in our application centre. Whether you need modified products, pre-assembled terminal rails or complete small cabinets: we produce the solutions developed for your application quickly and flexibly.

Online support and downloads

Exactly the right help and information on our solutions and products

If our products are used in your automation technology applications, you need the best possible individual support, from planning through installation to operation.

For every stage of your application, we can offer the right tools and information for our products and solutions. Up-to-date, uncomplicated, comprehensive and around the clock via our service portal at www.weidmueller.com/service.

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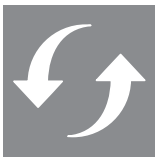

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BLZP 5.08HC/08/90F SN OR BX	1949860000	B.145
BLZP 5.08HC/12/90 SN BK BX	1948340000	B.144
BLZP 5.08HC/12/90 SN OR BX	1948110000	B.144
BLZP 5.08HC/12/90F SN BK BX	1950140000	B.145
BLZP 5.08HC/12/90F SN OR BX	1949900000	B.145
BLZP 5.08HC/16/90 SN BK BX	1948380000	B.144
BLZP 5.08HC/16/90 SN OR BX	1948150000	B.144
BLZP 5.08HC/16/90F SN BK BX	1950180000	B.145
BLZP 5.08HC/16/90F SN OR BX	1949940000	B.145
BS 25 IH/BL SAKT1	0335400000	B.109
BS 25 IH/GE SAKT1	0335700000	B.94
BS 25 IH/GE SAKT1	0335700000	B.100
BS 25 IH/GE SAKT1	0335700000	B.104
BS 25 IH/GE SAKT1	0335700000	B.109
BS 25 IH/GE SAKT1	0335700000	B.110
BS 25 IH/GE SAKT1	0335700000	B.112
BS 25 IH/GN SAKT1	0335600000	B.94
BS 25 IH/GN SAKT1	0335600000	B.100
BS 25 IH/GN SAKT1	0335600000	B.104
BS 25 IH/GN SAKT1	0335600000	B.109
BS 25 IH/GN SAKT1	0335600000	B.110
BS 25 IH/GN SAKT1	0335600000	B.112
BS 25 IH/GR SAKT1	0335300000	B.109
BS 25 IH/RT SAKT1	0335500000	B.109
BS 25 IH/SW SAKT1	0335200000	B.109
BS 25 IH/VI SAKT1	0335800000	B.94
BS 25 IH/VI SAKT1	0335800000	B.100
BS 25 IH/VI SAKT1	0335800000	B.104
BS 25 IH/VI SAKT1	0335800000	B.109
BS 25 IH/VI SAKT1	0335800000	B.110
BS 25 IH/VI SAKT1	0335800000	B.112
BS 25 O.IH SAKT1	0334700000	B.109
BS 35/WSH 2	1760720000	B.153
BS 35II KLBUE HOLDER	1723800000	B.156
BS 35II KLBUE2X3-8/2X2-6	1768020000	B.156
BS 35II KLBUE3-8	1723810000	B.156
BS 35II KLBUE3-8/2X2-6	1749430000	B.156
BS 35II/KLBUE 4-13.5	1723820000	B.156
BTWZ KLBUE	1742630000	B.155
BTWZ KLBUE	1742630000	B.159
BTWZ KLBUE	1742630000	B.160
BTWZ KLBUE	1742630000	B.161
BZT 1 WS 10/5	1805490000	A.94
BZT 1 WS 10/5	1805490000	A.213
BZT 1 ZA WS 10/5	1805520000	A.94
BZT 1 ZA WS 10/5	1805520000	A.213
BZT 2 WS 10/5	1805480000	A.94
BZT 2 WS 10/5	1805480000	A.213
BZT PRV16 BL 35X15	1267930000	B.136
BZT PRV16 BL 35X7.5	1267940000	B.136
BZT PRV16 SW 35X15	1173540000	B.136
BZT PRV16 SW 35X7.5	1173550000	B.136
BZT PRV4 BL 35X15	1267980000	B.134
BZT PRV4 BL 35X15	1267980000	B.137
BZT PRV4 BL 35X7.5	1267990000	B.134
BZT PRV4 BL 35X7.5	1267990000	B.137
BZT PRV4 SW 35X15	1173590000	B.134
BZT PRV4 SW 35X15	1173590000	B.137
BZT PRV4 SW 35X7.5	1173600000	B.134
BZT PRV4 SW 35X7.5	1173600000	B.137
BZT PRV8 BL 35X15	1267950000	B.135
BZT PRV8 BL 35X15	1267950000	B.137
BZT PRV8 BL 35X7.5	1267970000	B.135
BZT PRV8 BL 35X7.5	1267970000	B.137
BZT PRV8 SW 35X15	1173570000	B.135
BZT PRV8 SW 35X15	1173570000	B.137
BZT PRV8 SW 35X7.5	1173580000	B.135
BZT PRV8 SW 35X7.5	1173580000	B.137

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BZT ZVL1.5/0.ZA	1676620000	B.127

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CTI 6	9006120000	B.119

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D10 KS10 TP	0141800000	A.310
D2 KS2 TP	0134500000	A.308
D2 KS2 TP	0134500000	A.310
D4 KS4 TP	0140500000	A.308
D4 KS4 TP	0140500000	A.310
D6 KS6 TP	0140800000	A.308
D6 KS6 TP	0140800000	A.310
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DEK 5/3.5 MC NE WS	1755270000	A.218
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DEK 5/3.5 MM WS	2007100000	A.218
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G 20/2.00A/F	0430900000	A.262
G 20/2.00A/F	0430900000	A.263
G 20/2.00A/F	0430900000	A.268
G 20/2.00A/F	0430900000	A.274
G 20/2.00A/F	0430900000	A.276
G 20/2.00A/F	0430900000	A.277
G 20/2.00A/F	0430900000	A.278
G 20/2.00A/F	0430900000	B.64
G 20/2.00A/F	0430900000	B.67
G 20/2.50A/F	0431000000	A.36
G 20/2.50A/F	0431000000	A.85
G 20/2.50A/F	0431000000	A.169
G 20/2.50A/F	0431000000	A.278
G 20/3.15A/F	0431100000	A.36
G 20/3.15A/F	0431100000	A.85
G 20/3.15A/F	0431100000	A.169
G 20/3.15A/F	0431100000	A.278
G 20/4.00A/F	0431200000	A.36
G 20/4.00A/F	0431200000	A.85
G 20/4.00A/F	0431200000	A.169
G 20/4.00A/F	0431200000	A.278
G 20/5.00A/F	0431300000	A.36
G 20/5.00A/F	0431300000	A.85
G 20/5.00A/F	0431300000	A.169
G 20/5.00A/F	0431300000	A.278
G 20/6.30A/F	0431400000	A.36
G 20/6.30A/F	0431400000	A.85
G 20/6.30A/F	0431400000	A.169
G 20/6.30A/F	0431400000	A.278
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G 25/0.25A/M GE	0546900000	A.278
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G 25/0.50A/M WS	0510300000	A.160
G 25/0.50A/M WS	0510300000	A.165
G 25/0.50A/M WS	0510300000	A.169
G 25/0.50A/M WS	0510300000	A.278
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G 25/0.80A/M GR	0646400000	A.278
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G 25/1.00A/M RT	0265800000	A.160
G 25/1.00A/M RT	0265800000	A.165
G 25/1.00A/M RT	0265800000	A.169
G 25/1.00A/M RT	0265800000	A.278
G 25/10.0A/M RT	0193100000	A.169
G 25/10.0A/M RT	0193100000	A.278
G 25/2.00A/F BL	0192700000	A.156
G 25/2.00A/F BL	0192700000	A.160
G 25/2.00A/F BL	0192700000	A.165
G 25/2.00A/F BL	0192700000	A.169
G 25/2.00A/F BL	0192700000	A.278
G 25/4.00A/F BR	0192800000	A.156
G 25/4.00A/F BR	0192800000	A.160
G 25/4.00A/F BR	0192800000	A.165
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GWHUE M3 WTL6	1255010000	B.95
GWHUE M3 WTL6	1255010000	B.110
GWHUE M3 WTL6	1255010000	B.111
GWHUE M3 WTL6	1255010000	B.112
GWHUE M3 WTL6	1255010000	B.113
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GZ 0.5A/F	1460580000	A.278
GZ 1.0A/F	1460590000	A.169
GZ 1.0A/F	1460590000	A.278
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GZ 10.0A	0293900000	A.261
GZ 10.0A	0293900000	A.264
GZ 10.0A	0293900000	A.265
GZ 10.0A	0293900000	A.269
GZ 10.0A/F	1460640000	A.157
GZ 10.0A/F	1460640000	A.169
GZ 10.0A/F	1460640000	A.278
GZ 12.5A/F	1460650000	A.169
GZ 12.5A/F	1460650000	A.278
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GZ 2.0A	0294500000	A.265
GZ 2.0A	0294500000	A.269
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GZ 2.0A/F	1460600000	A.261
GZ 2.0A/F	1460600000	A.278
GZ 3.0A/F	1460610000	A.169
GZ 3.0A/F	1460610000	A.278
GZ 5.0A	0294600000	A.264
GZ 5.0A	0294600000	A.265
GZ 5.0A	0294600000	A.269
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GZ 5.0A/F	1460620000	A.261
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PPE 16	1896210000	A.81
PPE 16S	1139570000	B.173
PPE 2.5/4	1896170000	A.78
PPE 2.5/4/3AN	1896200000	A.78
PPE 2.5/4/4AN	1896160000	A.79
PPE 6/10	1896180000	A.79
PPE 6/10/3AN	1896190000	A.80
PPV 4 BL 35X15 DGR	1267910000	B.137
PPV 4 BL 35X7.5 DGR	1267920000	B.137
PPV 4 GR 35X15 DGR	1173880000	B.137
PPV 4 GR 35X7.5 DGR	1173890000	B.137
PPV 4 OR 35X15 DGR	1301610000	B.137
PPV 4 OR 35X7.5 DGR	1301630000	B.137
PPV 8 BL 35X15 DGR	1267870000	B.137
PPV 8 BL 35X7.5 DGR	1267880000	B.137
PPV 8 GR 35X15 DGR	1173850000	B.137
PPV 8 GR 35X7.5 DGR	1173870000	B.137
PPV 8 OR 35X15 DGR	1301620000	B.137
PPV 8 OR 35X7.5 DGR	1301640000	B.137
PRH 2.5/4/1	1916410000	A.70
PRH 2.5/4/1	1916410000	A.71
PRH 2.5/4/1	1916410000	A.74
PRH 2.5/4/1	1916410000	A.75
PRH 2.5/4/1	1916410000	A.78
PRH 2.5/4/1	1916410000	A.79
PRH 2.5/4/1	1916410000	A.82
PRH 2.5/4/1	1916410000	A.94
PRH 2.5/4/2	1916400000	A.70
PRH 2.5/4/2	1916400000	A.71
PRH 2.5/4/2	1916400000	A.74
PRH 2.5/4/2	1916400000	A.75
PRH 2.5/4/2	1916400000	A.78
PRH 2.5/4/2	1916400000	A.79
PRH 2.5/4/2	1916400000	A.82
PRH 2.5/4/2	1916400000	A.94
PRV 16 BL 35X15 RT/WS	1267790000	B.136
PRV 16 BL 35X15 WS/RT	1267800000	B.136
PRV 16 BL 35X7.5 RT/WS	1267810000	B.136
PRV 16 BL 35X7.5 WS/RT	1267820000	B.136
PRV 16 SW 35X15 RT/WS	1173620000	B.136
PRV 16 SW 35X15 WS/RT	1173650000	B.136
PRV 16 SW 35X7.5 RT/WS	1173680000	B.136
PRV 16 SW 35X7.5 WS/RT	1173710000	B.136
PRV 4 BL 35X15 RT	1267890000	B.134
PRV 4 BL 35X15 WS	1173920000	B.134
PRV 4 BL 35X7.5 RT	1267900000	B.134
PRV 4 BL 35X7.5 WS	1173930000	B.134
PRV 4 SW 35X15 RT	1173810000	B.134
PRV 4 SW 35X15 WS	1173820000	B.134
PRV 4 SW 35X7.5 RT	1173830000	B.134
PRV 4 SW 35X7.5 WS	1173840000	B.134
PRV 8 BL 35X15 RT/WS	1267830000	B.135
PRV 8 BL 35X15 WS/RT	1173900000	B.135
PRV 8 BL 35X7.5 RT/WS	1267840000	B.135
PRV 8 BL 35X7.5 WS/RT	1173910000	B.135
PRV 8 SW 35X15 RT/WS	1173740000	B.135
PRV 8 SW 35X15 WS/RT	1173780000	B.135
PRV 8 SW 35X7.5 RT/WS	1173790000	B.135
PRV 8 SW 35X7.5 WS/RT	1173800000	B.135
PS 2.0 MC	0310000000	A.6
PS 2.0 MC	0310000000	A.7
PS 2.0 MC	0310000000	A.8
PS 2.0 MC	0310000000	A.9
PS 2.0 MC	0310000000	A.10
PS 2.0 MC	0310000000	A.11
PS 2.0 MC	0310000000	A.12
PS 2.0 MC	0310000000	A.13
PS 2.0 MC	0310000000	A.14
PS 2.0 MC	0310000000	A.15
PS 2.0 MC	0310000000	A.16
PS 2.0 MC	0310000000	A.17
PS 2.0 MC	0310000000	A.18
PS 2.0 MC	0310000000	A.19
PS 2.0 MC	0310000000	A.20
PS 2.0 MC	0310000000	A.22
PS 2.0 MC	0310000000	A.23
PS 2.0 MC	0310000000	A.24
PS 2.0 MC	0310000000	A.25
PS 2.0 MC	0310000000	A.26
PS 2.0 MC	0310000000	A.27
PS 2.0 MC	0310000000	A.28
PS 2.0 MC	0310000000	A.29
PS 2.0 MC	0310000000	A.30
PS 2.0 MC	0310000000	A.34
PS 2.0 MC	0310000000	A.35
PS 2.0 MC	0310000000	A.38
PS 2.0 MC	0310000000	A.39
PS 2.0 MC	0310000000	A.40
PS 2.0 MC	0310000000	A.41
PS 2.0 MC	0310000000	A.44
PS 2.0 MC	0310000000	A.45
PS 2.0 MC	0310000000	A.46
PS 2.0 MC	0310000000	A.47
PS 2.0 MC	0310000000	A.48
PS 2.0 MC	0310000000	A.50
PS 2.0 MC	0310000000	A.51
PS 2.0 MC	0310000000	B.44
PS 2.0 MC	0310000000	B.48
PS 2.0 MC	0310000000	B.49
PS 2.0 MC	0310000000	B.50
PS 2.0 MC	0310000000	B.54
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PS 2.0 MC	0310000000	B.56
PS 2.0 MC	0310000000	B.62
PS 2.0 MC	0310000000	B.63

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PS 2.0 MC	0310000000	B.66
PS 2.0 MC	0310000000	B.124
PS 2.0 MC	0310000000	B.125
PS 2.0 OR	0293800000	A.211
PS 2.3 RT	0180400000	A.86
PS 2.3 RT	0180400000	A.87
PS 2.3 RT	0180400000	A.88
PS 2.3 RT	0180400000	A.110
PS 2.3 RT	0180400000	A.111
PS 2.3 RT	0180400000	A.170
PS 2.3 RT	0180400000	A.171
PS 2.3 RT	0180400000	A.172
PS 2.3 RT	0180400000	A.185
PS 2.3 RT	0180400000	A.211
PS 2.3 RT	0180400000	A.218
PS 2.3 RT	0180400000	A.220
PS 2.3 RT	0180400000	A.222
PS 2.3 RT	0180400000	A.280
PS 2.3 RT	0180400000	A.281
PS 2.3 RT	0180400000	A.282
PS 2.3 RT	0180400000	A.283
PS 2.3 RT	0180400000	A.284
PS 2.3 RT	0180400000	A.288
PS 2.3 RT	0180400000	A.289
PS 2.3 RT	0180400000	B.98
PS 4 F.STB 4	0299600000	B.97
PS 4 F.STB 4	0299600000	B.102
PS 4 F.STB 4	0299600000	B.115
PS 4 F.STB 4	0299600000	B.117
PS_ZQV	1121740000	A.212
PS_ZQV_SET	1116710000	A.212
PSI 6/10	1083050000	A.84
PSI 6/10 SW	1165140000	A.84
PSI 6/10/LD 10-36V	1231880000	A.84
PSI 6/10/LD 10-36V SW	1231870000	A.84
PTA PDU2.5/4	1916180000	A.70
PTA PDU2.5/4	1916180000	A.71
PTA PDU2.5/4	1916180000	A.74
PTA PDU2.5/4	1916180000	A.75
PTA PDU2.5/4	1916180000	A.94
PTA ZA PDU2.5/4	1916190000	A.70
PTA ZA PDU2.5/4	1916190000	A.71
PTA ZA PDU2.5/4	1916190000	A.74
PTA ZA PDU2.5/4	1916190000	A.75
PTA ZA PDU2.5/4	1916190000	A.94
PTD 6/10/STB	1084790000	B.95
PTL 6/10/STB	1084780000	B.94
PTL 6/10/STB	1084780000	B.95
PTR 2.5/4	1933950000	A.86
PTR 2.5/4 BL	1933970000	A.86
PTR 2.5/4 O.TNHE	1933910000	A.86
PTR 2.5/4/3AN	1933980000	A.87
PTR 2.5/4/3AN BL	1933930000	A.87
PTR 2.5/4/3AN O.TNHE	1933990000	A.87
PTR 2.5/4/4AN	1933940000	A.87
PTR 2.5/4/4AN BL	1934000000	A.87
PTR 2.5/4/4AN O.TNHE	1933890000	A.88

Q

Q 10 AKZ1.5	0368500000	A.218
Q 10 AKZ1.5	0368500000	A.220
Q 10 AKZ1.5	0368500000	A.320
Q 10 AKZ4	0368600000	A.222
Q 10 AKZ4	0368600000	A.320
Q 10 AKZ4SS	0369300000	A.243
Q 10 AKZ4SS	0369300000	A.320
Q 10 DLI	1313100000	A.320
Q 10 DLI	1313100000	B.128
Q 10 DLI	1313100000	B.129
Q 10 DLI	1313100000	B.130
Q 10 DLI	1313100000	B.131
Q 10 WDL2.5S	1071800000	A.320
Q 10 WDL2.5S	1071800000	B.198
Q 10 WDL2.5S	1071800000	B.199
Q 10 WDL2.5S	1071800000	B.200
Q 10 WDL2.5S	1071800000	B.201
Q 10 WTL 6/4FF	1897190000	B.119
Q 2 AKZ1.5	0368200000	A.218
Q 2 AKZ1.5	0368200000	A.220
Q 2 AKZ1.5	0368200000	A.320
Q 2 AKZ4	0336400000	A.222
Q 2 AKZ4	0336400000	A.320
Q 2 AKZ4SS	0369000000	A.243
Q 2 AKZ4SS	0369000000	A.320
Q 2 DLI	1312500000	A.320
Q 2 DLI	1312500000	B.128
Q 2 DLI	1312500000	B.129
Q 2 DLI	1312500000	B.130
Q 2 DLI	1312500000	B.131
Q 2 WDL2.5S	1071500000	A.320
Q 2 WDL2.5S	1071500000	B.198
Q 2 WDL2.5S	1071500000	B.199
Q 2 WDL2.5S	1071500000	B.200
Q 2 WDL2.5S	1071500000	B.201
Q 2 WTL6/4FF	1897110000	B.119
Q 20 DLI	1399800000	A.320
Q 20 WDL2.5S	1074200000	A.320
Q 20 WDL2.5S	1074200000	B.198
Q 20 WDL2.5S	1074200000	B.199
Q 20 WDL2.5S	1074200000	B.200
Q 20 WDL2.5S	1074200000	B.201
Q 3 AKZ1.5	0368300000	A.320
Q 3 AKZ4	0336500000	A.320
Q 3 DLI	1312600000	A.320
Q 3 DLI	1312600000	B.128
Q 3 DLI	1312600000	B.129
Q 3 DLI	1312600000	B.130
Q 3 DLI	1312600000	B.131
Q 3 WDL2.5S	1071600000	A.320
Q 3 WDL2.5S	1071600000	B.198
Q 3 WDL2.5S	1071600000	B.199
Q 3 WDL2.5S	1071600000	B.200
Q 3 WDL2.5S	1071600000	B.201
Q 4 AKZ1.5	0368400000	A.320
Q 4 AKZ4	0336600000	A.320
Q 4 DLI	1312700000	A.320
Q 4 DLI	1312700000	B.128
Q 4 DLI	1312700000	B.129
Q 4 DLI	1312700000	B.130
Q 4 DLI	1312700000	B.131
Q 4 WDL2.5S	1071700000	A.320
Q 4 WDL2.5S	1071700000	B.198
Q 4 WDL2.5S	1071700000	B.199
Q 4 WDL2.5S	1071700000	B.200
Q 4 WDL2.5S	1071700000	B.201
Q 4 WTL 6/4FF	1897130000	B.119
Q WDU10-2.5 SET	1859620000	A.321
Q WDU10-4 SET	1859610000	A.321
Q WDU6-2.5 SET	1859600000	A.321
QB 58/8/9/WI	0545300000	B.100
QB 58/8/9/WI	0545300000	B.104
QL 10 SAK16	0471000000	A.264
QL 10 SAK16	0471000000	A.265
QL 10 SAK16	0471000000	A.269
QL 10 SAK6N	0338300000	A.262
QL 10 SAK6N	0338300000	A.263
QL 10 SAK6N	0338300000	A.268
QL 10 SAK6N	0338300000	B.109
QL 10 SAKS2	0338900000	A.272
QL 10 SAKS2	0338900000	A.273
QL 10 SAKS4	0339000000	A.272
QL 10 WTL 6/4 FF	1897090000	B.119
QL 15 SAK6N	0221200000	B.109
QL 2 SAK16	0470700000	A.264
QL 2 SAK16	0470700000	A.265
QL 2 SAK16	0470700000	A.269
QL 2 SAK6N	0194300000	A.262
QL 2 SAK6N	0194300000	A.263
QL 2 SAK6N	0194300000	A.268
QL 2 SAK6N	0194300000	B.109
QL 2 SAKS2	0207800000	A.272
QL 2 SAKS2	0207800000	A.273
QL 2 SAKS4	0328000000	A.272
QL 2 WTL6/4FF	1897010000	B.119
QL 3 SAK6N	0194400000	B.109
QL 3 WTL6/4FF	1897020000	B.119
QL 4 SAK6N	0194500000	B.109
QL 4 WTL6/4FF	1897030000	B.119
QS 2/10/4	0270860000	B.109
QS 2/12/4	0270760000	B.109
QS 2/12/4	0270760000	B.119
QS 2/8/4	0270960000	B.95
QS 2/8/4	0270960000	B.109
QVS 2 SAKT1+2	0307300000	B.94
QVS 2 SAKT1+2	0307300000	B.100
QVS 2 SAKT1+2	0307300000	B.101
QVS 2 SAKT1+2	0307300000	B.102
QVS 2 SAKT1+2	0307300000	B.108
QVS 2/4 SAKT4	1319260000	B.98
QVS 2/S SAKT1+2	0358460000	B.108
QVS 3 SAKT1+2	0329300000	B.101
QVS 3 SAKT1+2	0329300000	B.102
QVS 3 SAKT1+2	0329300000	B.108
QVS 4 SAKT1+2	0307400000	B.108
QVSK 2 SAKT1	1670360000	B.108

R

RAHE LN WDT1.5	1865410000	A.286
RAHE LN WDT1.5	1865410000	A.287
Removal Tool AFK	1866760000	A.187

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SAKS 2/35 DB	1368700000	A.272
SAKS 4/35 DB	0501800000	A.272
SAKS 5/35 DB	0502100000	A.273
SCH-1-WINBLOC	1739890000	B.155
SCHT 7	0517960000	A.298
SDIL 0,6x3,5x100	9042110000	A.7
SDIL 0,6x3,5x100	9042110000	A.8
SDIL 0,6x3,5x100	9042110000	A.9
SDIL 0,6x3,5x100	9042110000	A.16
SDIL 0,6x3,5x100	9042110000	A.17
SDIL 0,6x3,5x100	9042110000	A.18
SDIL 0,6x3,5x100	9042110000	A.19
SDIL 0,6x3,5x100	9042110000	A.20
SDIL 0,6x3,5x100	9042110000	A.23
SDIL 0,6x3,5x100	9042110000	A.24
SDIL 0,6x3,5x100	9042110000	A.25
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SDIL 0,6x3,5x100	9042110000	A.34
SDIL 0,6x3,5x100	9042110000	A.35
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SDIL 0,6x3,5x100	9042110000	A.48
SDIL 0,6x3,5x100	9042110000	A.49
SDIL 0,6x3,5x100	9042110000	A.50
SDIL 0,6x3,5x100	9042110000	A.51
SDIL 0,6x3,5x100	9042110000	B.44
SDIL 0,6x3,5x100	9042110000	B.55
SDIL 0,6x3,5x100	9042110000	B.57
SDIL 0,6x3,5x100	9042110000	B.63
SDIL 0,6x3,5x100	9042110000	B.64
SDIL 0,6x3,5x100	9042110000	B.67
SDIL 1,0x5,5x125	9042130000	A.10
SDIL 1,0x5,5x125	9042130000	A.11
SDIL 1,0x5,5x125	9042130000	A.12
SDIL 1,0x5,5x125	9042130000	A.13
SDIL 1,0x5,5x125	9042130000	A.26
SDIL 1,0x5,5x125	9042130000	A.27
SDIL 1,0x5,5x125	9042130000	B.48
SDIL 1,0x5,5x125	9042130000	B.49
SDIL 1,0x5,5x125	9042130000	B.50
SDIL 1,0x5,5x125	9042130000	B.54
SDIL 1,0x5,5x125	9042130000	B.55
SDIL 1,0x5,5x125	9042130000	B.56
SDIL 1,0x5,5x125	9042130000	B.62
SDIL 1,0x5,5x125	9042130000	B.66
SDIS 0.4X2.0X60	9205690000	B.49
SDIS 0.4X2.0X60	9205690000	B.51
SDIS 0.4X2.5X75	9008370000	B.178
SDIS 0.4X2.5X75	9008370000	B.179
SDIS 0.4X2.5X75	9008370000	B.180
SDIS 0.4X2.5X75	9008370000	B.181
SDIS 0.4X2.5X75	9008370000	B.182
SDIS 0.4X2.5X75	9008370000	B.183
SDIS 0.5X3.0X100	9008380000	B.184
SDIS 0.5X3.0X100	9008380000	B.185
SDIS 0.6X3.5X100	9008390000	A.171
SDIS 0.6X3.5X100	9008390000	A.247
SDIS 0.6X3.5X100	9008390000	B.43
SDIS 0.6X3.5X100	9008390000	B.144
SDIS 0.6X3.5X100	9008390000	B.162
SDIS 0.6X3.5X100	9008390000	B.198
SDIS 0.6X3.5X100	9008390000	B.199
SDIS 0.8X4.0X100	9008400000	B.119
SDIS SL 0.6X3.5X100	1274660000	A.98
SDIS SL 0.6X3.5X100	1274660000	A.99
SDIS SL 0.6X3.5X100	1274660000	A.100
SDIS SL 0.6X3.5X100	1274660000	A.101
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SDIS SL 0.6X3.5X100	1274660000	A.109
SDIS SL 0.6X3.5X100	1274660000	A.114
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SDIS SL 0.6X3.5X100	1274660000	A.118
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SDIS SL 0.6X3.5X100	1274660000	A.160
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SDIS SL 0.6X3.5X100	1274660000	A.170
SDIS SL 0.6X3.5X100	1274660000	A.171
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SDIS SL 0.6X3.5X100	1274660000	A.176
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SDIS SL 0.6X3.5X100	1274660000	A.203
SDIS SL 0.6X3.5X100	1274660000	B.45
SDIS SL 0.6X3.5X100	1274660000	B.126
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STB 21.6/45 GE	1936240000	B.109
STB 21.6/45 GE	1936240000	B.110
STB 21.6/45 GE	1936240000	B.112
STB 21.6/45 GN	1936250000	B.94
STB 21.6/45 GN	1936250000	B.95
STB 21.6/45 GN	1936250000	B.104
STB 21.6/45 GN	1936250000	B.105
STB 21.6/45 GN	1936250000	B.106
STB 21.6/45 GN	1936250000	B.107
STB 21.6/45 GN	1936250000	B.109
STB 21.6/45 GN	1936250000	B.110
STB 21.6/45 GN	1936250000	B.112
STB 21.6/45 GR	1936280000	B.109
STB 21.6/45 RT	1936300000	B.109
STB 21.6/45 SW	1936270000	B.104
STB 21.6/45 SW	1936270000	B.109
STB 21.6/45 SW	1936270000	B.110
STB 21.6/45 SW	1936270000	B.112
STB 21.6/45 VI	1936260000	B.94
STB 21.6/45 VI	1936260000	B.95
STB 21.6/45 VI	1936260000	B.104
STB 21.6/45 VI	1936260000	B.109
STB 21.6/45 VI	1936260000	B.110
STB 21.6/45 VI	1936260000	B.112
STB 21.6/IH/BL WTL6/3	1071080000	B.96
STB 21.6/IH/BL WTL6/3	1071080000	B.97
STB 21.6/IH/BL WTL6/3	1071080000	B.116
STB 21.6/IH/BL WTL6/3	1071080000	B.117
STB 21.6/IH/DB WTL6/3	1071000000	B.116
STB 21.6/IH/GE WTL6/3	1071010000	B.96
STB 21.6/IH/GE WTL6/3	1071010000	B.97
STB 21.6/IH/GE WTL6/3	1071010000	B.116
STB 21.6/IH/GE WTL6/3	1071010000	B.117
STB 21.6/IH/GN WTL6/3	1071020000	B.96
STB 21.6/IH/GN WTL6/3	1071020000	B.97
STB 21.6/IH/GN WTL6/3	1071020000	B.116
STB 21.6/IH/GN WTL6/3	1071020000	B.117
STB 21.6/IH/SW WTL6/3	1071040000	B.96
STB 21.6/IH/SW WTL6/3	1071040000	B.116
STB 21.6/IH/VI WTL6/3	1071030000	B.96
STB 21.6/IH/VI WTL6/3	1071030000	B.97
STB 21.6/IH/VI WTL6/3	1071030000	B.116
STB 21.6/IH/VI WTL6/3	1071030000	B.117
STB 25 IH/BL	0343400000	B.100
STB 25 IH/GE	0267200000	B.100
STB 25 IH/GN	0271200000	B.100
STB 25 IH/VI	0271300000	B.100
STB 30.5 IH/BL	0341200000	B.108
STB 30.5 IH/GE	0341500000	B.108
STB 30.5 IH/GN	0341400000	B.108
STB 30.5 IH/GR	0341100000	B.108
STB 30.5 IH/RT	0341300000	B.108
STB 30.5 IH/SW	0341000000	B.108
STB 30.5 IH/VI	0341600000	B.108
STB 35 IH/BL	0388700000	B.101
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STB 35 IH/GE	0389000000	B.102
STB 35 IH/GE	0389000000	B.108
STB 35 IH/GN	0388900000	B.100
STB 35 IH/GN	0388900000	B.101
STB 35 IH/GN	0388900000	B.102
STB 35 IH/GN	0388900000	B.108
STB 35 IH/GR	0388600000	B.108
STB 35 IH/RT	0388800000	B.108
STB 35 IH/SW	0388500000	B.108
STB 35 IH/VI	0389100000	B.100
STB 35 IH/VI	0389100000	B.101
STB 35 IH/VI	0389100000	B.102
STB 35 IH/VI	0389100000	B.108
STB 36.8/IH/BL WTL6/1	1847790000	B.94
STB 36.8/IH/BL WTL6/1	1847790000	B.95
STB 36.8/IH/BL WTL6/1	1847790000	B.104
STB 36.8/IH/BL WTL6/1	1847790000	B.105
STB 36.8/IH/BL WTL6/1	1847790000	B.106
STB 36.8/IH/BL WTL6/1	1847790000	B.109
STB 36.8/IH/BL WTL6/1	1847790000	B.110
STB 36.8/IH/BL WTL6/1	1847790000	B.112
STB 36.8/IH/DB WTL6/1	1847740000	B.95
STB 36.8/IH/DB WTL6/1	1847740000	B.109
STB 36.8/IH/GE WTL6/1	1847760000	B.94
STB 36.8/IH/GE WTL6/1	1847760000	B.95
STB 36.8/IH/GE WTL6/1	1847760000	B.104
STB 36.8/IH/GE WTL6/1	1847760000	B.105
STB 36.8/IH/GE WTL6/1	1847760000	B.106
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STB 36.8/IH/GN WTL6/1	1847770000	B.94
STB 36.8/IH/GN WTL6/1	1847770000	B.95
STB 36.8/IH/GN WTL6/1	1847770000	B.104
STB 36.8/IH/GN WTL6/1	1847770000	B.105
STB 36.8/IH/GN WTL6/1	1847770000	B.106
STB 36.8/IH/GN WTL6/1	1847770000	B.109
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STB 36.8/IH/VI WTL6/1	1847780000	B.94
STB 36.8/IH/VI WTL6/1	1847780000	B.95
STB 36.8/IH/VI WTL6/1	1847780000	B.104
STB 36.8/IH/VI WTL6/1	1847780000	B.109
STB 36.8/IH/VI WTL6/1	1847780000	B.110
STB 36.8/IH/VI WTL6/1	1847780000	B.112
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STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.218
STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.220
STB 8.5/D4/2.3/M2.5 AKZ	0215700000	A.222
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STGH ZRV2.5	1907000000	A.187
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TNST	1833090000	A.215
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TNST	1833090000	A.282
TNST	1833090000	A.283
TNST	1833090000	A.288
TNST	1833090000	A.289
TNST	1833090000	B.139
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TS 15X5/LL 2M/ST/ZN	0117500000	C.16
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TS 32X15 2M/AL/BK	0169300000	C.16
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TS 32X15 2M/ST/ZN	0122800000	C.16
TS 32X15/LL 2M/ST/ZN	0514400000	C.16
TS 35X15 2M/ST/ZN	0236400000	C.17
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TS 35X15/6X18 2M/ST/ZN	1805980000	C.18
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TS 35X15/LL 1M/ST/ZN	0236510000	C.18
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TSCH 1	0319160000	B.130
TSCH 1	0319160000	B.131
TSCH 2	0353660000	B.100
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TST 2/M6	0101700000	C.20
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TW PRV4 0-3	1230060000	B.137
TW PRV4 1-4	1230050000	B.134
TW PRV4 1-4	1230050000	B.137
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VH 16/5/3.5 SAK10-35	0309700000	B.104
VH 16/5/3.5 SAK10-35	0309700000	B.105
VH 16/5/3.5 SAK10-35	0309700000	B.106
VH 16/5/3.5 SAK10-35	0309700000	B.107
VH 16/5/3.5 SAK10-35	0309700000	B.109
VH 19/6/4.2 SAKT1	0318000000	B.100
VH 19/6/4.2 SAKT1	0318000000	B.101
VH 19/6/4.2 SAKT1	0318000000	B.102
VH 19/6/4.2 SAKT1	0318000000	B.108
VH 19/6/4.2 SAKT1	0318000000	B.110
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WAD 12 NEUTRAL	1056260000	A.231
WAD 12 NEUTRAL	1056260000	A.232
WAD 12 NEUTRAL	1056260000	A.233
WAD 12 NEUTRAL	1056260000	B.166
WAD 12 NEUTRAL	1056260000	B.167
WAD 12N GE BED	1073200000	A.231
WAD 12N GE BED	1073200000	B.166
WAD 12N WS	1073290000	A.231
WAD 12N WS	1073290000	B.166
WAD 16N GE BED	1083600000	A.233
WAD 16N GE BED	1083600000	B.167
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WAD 20 GE WSD	9512260000	A.235
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WAD 20 GE WSD	9512260000	B.7
WAD 20 GE WSD	9512260000	B.8
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WAD 20 WS	9512270000	B.7
WAD 20 WS	9512270000	B.8
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WAD 27 M. BL.	1062860000	B.7
WAD 27 M. BL.	1062860000	B.9
WAD 27 NEUTRAL	1062960000	A.239
WAD 27 NEUTRAL	1062960000	B.7
WAD 27 NEUTRAL	1062960000	B.9
WAD 4 GE BED	1072000000	A.219
WAD 4 GE BED	1072000000	A.221
WAD 4 GE BED	1072000000	A.222
WAD 4 GE BED	1072000000	A.224
WAD 4 GE BED	1072000000	A.240
WAD 4 GE BED	1072000000	A.241
WAD 4 GE BED	1072000000	A.243
WAD 4 GE BED	1072000000	A.295
WAD 4 GE BED	1072000000	A.296
WAD 4 GE BED	1072000000	A.297
WAD 4 WS	1072100000	A.219
WAD 4 WS	1072100000	A.221
WAD 4 WS	1072100000	A.222
WAD 4 WS	1072100000	A.224
WAD 4 WS	1072100000	A.240
WAD 4 WS	1072100000	A.241
WAD 4 WS	1072100000	A.243
WAD 4 WS	1072100000	A.295
WAD 4 WS	1072100000	A.296
WAD 4 WS	1072100000	A.297
WAD 5 MC NE GE	1112920000	A.220
WAD 5 MC NE GE	1112920000	A.221
WAD 5 MC NE GE	1112920000	A.223
WAD 5 MC NE GE	1112920000	B.165
WAD 5 MC NE WS	1112910000	A.220
WAD 5 MC NE WS	1112910000	A.221
WAD 5 MC NE WS	1112910000	A.223
WAD 5 MC NE WS	1112910000	B.165
WAD 8 MC NE GE	1112950000	A.226
WAD 8 MC NE GE	1112950000	A.228
WAD 8 MC NE GE	1112950000	A.244
WAD 8 MC NE GE	1112950000	A.245
WAD 8 MC NE GE	1112950000	A.246
WAD 8 MC NE GE	1112950000	A.247
WAD 8 MC NE GE	1112950000	A.259
WAD 8 MC NE GE	1112950000	B.42
WAD 8 MC NE WS	1112940000	A.226
WAD 8 MC NE WS	1112940000	A.228
WAD 8 MC NE WS	1112940000	A.244
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WAD 8 MC NE WS	1112940000	A.246
WAD 8 MC NE WS	1112940000	A.247
WAD 8 MC NE WS	1112940000	A.259
WAD 8 MC NE WS	1112940000	B.42
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WAD WMF2.5	1142970000	B.146
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WAH 120	1064660000	A.343
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WAH 185/300 BE	1064760000	A.339
WAH 185/300 BE	1064760000	A.343
WAH 35	1064460000	A.336
WAH 35	1064460000	A.343
WAH 70 BE	1064560000	A.337
WAH 70 BE	1064560000	A.343
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WAP 16+35 WTW 2.5-10	1050100000	A.220
WAP 16+35 WTW 2.5-10	1050100000	A.221
WAP 16+35 WTW 2.5-10	1050100000	A.223
WAP 16+35 WTW 2.5-10	1050100000	A.225
WAP 16+35 WTW 2.5-10	1050100000	A.226
WAP 16+35 WTW 2.5-10	1050100000	A.227
WAP 16+35 WTW 2.5-10	1050100000	A.228
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WAP 16+35 WTW 2.5-10	1050100000	A.230
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WAP 16+35 WTW 2.5-10	1050100000	B.121
WAP 16+35 WTW 2.5-10	1050100000	B.165
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WAP 16+35 WTW 2.5-10	1050100000	B.167
WAP 16+35 WTW 2.5-10 BL	1050180000	A.219
WAP 16+35 WTW 2.5-10 BL	1050180000	A.220
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WAP 2.5-10	1050000000	A.225
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WAP 2.5-10	1050000000	A.227
WAP 2.5-10	1050000000	A.228
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WAP 2.5-10	1050000000	A.249
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WAP 2.5-10	1050000000	A.263
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WAP 2.5-10	1050000000	A.268
WAP 2.5-10	1050000000	A.269
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WAP 2.5-10	1050000000	A.285
WAP 2.5-10	1050000000	A.295
WAP 2.5-10	1050000000	A.301
WAP 2.5-10	1050000000	B.121
WAP 2.5-10	1050000000	B.165
WAP 2.5-10	1050000000	B.194
WAP 2.5-10	1050000000	B.195
WAP 2.5-10	1050000000	B.196
WAP 2.5-10 BL	1050080000	A.219
WAP 2.5-10 BL	1050080000	A.220
WAP 2.5-10 BL	1050080000	A.221
WAP 2.5-10 BL	1050080000	A.223
WAP 2.5-10 BL	1050080000	A.226
WAP 2.5-10 BL	1050080000	A.228
WAP 2.5-10 BL	1050080000	A.229
WAP 2.5-10 BL	1050080000	A.295
WAP 2.5-10 BL	1050080000	B.165
WAP 2.5-10 BL	1050080000	B.194
WAP 2.5-10 BL	1050080000	B.195
WAP 2.5-10 BL	1050080000	B.196
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WAP WDK 2.5N/TR-DU	1839850000	A.289
WAP WDK1.5/R3.5	1754200000	A.240
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WQV 6/10	1052260000	A.318
WQV 6/10	1052260000	B.95
WQV 6/10	1052260000	B.101
WQV 6/10	1052260000	B.102
WQV 6/10	1052260000	B.105
WQV 6/10	1052260000	B.106
WQV 6/10	1052260000	B.107
WQV 6/10	1052260000	B.109
WQV 6/10	1052260000	B.111
WQV 6/10	1052260000	B.113
WQV 6/10	1052260000	B.115
WQV 6/10	1052260000	B.117
WQV 6/2	1052360000	A.226
WQV 6/2	1052360000	A.227
WQV 6/2	1052360000	A.318
WQV 6/2	1052360000	B.95
WQV 6/2	1052360000	B.101
WQV 6/2	1052360000	B.102
WQV 6/2	1052360000	B.105
WQV 6/2	1052360000	B.106
WQV 6/2	1052360000	B.107
WQV 6/2	1052360000	B.109
WQV 6/2	1052360000	B.111
WQV 6/2	1052360000	B.113
WQV 6/2	1052360000	B.115
WQV 6/2	1052360000	B.117
WQV 6/3	1054760000	A.318
WQV 6/3	1054760000	B.95
WQV 6/3	1054760000	B.101
WQV 6/3	1054760000	B.102
WQV 6/3	1054760000	B.105
WQV 6/3	1054760000	B.106
WQV 6/3	1054760000	B.107
WQV 6/3	1054760000	B.109
WQV 6/3	1054760000	B.111
WQV 6/3	1054760000	B.113
WQV 6/3	1054760000	B.115
WQV 6/3	1054760000	B.117
WQV 6/4	1054860000	A.318
WQV 6/4	1054860000	B.95
WQV 6/4	1054860000	B.101
WQV 6/4	1054860000	B.102
WQV 6/4	1054860000	B.105
WQV 6/4	1054860000	B.106
WQV 6/4	1054860000	B.107
WQV 6/4	1054860000	B.109
WQV 6/4	1054860000	B.111
WQV 6/4	1054860000	B.113
WQV 6/4	1054860000	B.115
WQV 6/4	1054860000	B.117
WQV 6/5	1062660000	A.318
WQV 6/5	1062660000	B.109
WQV 6/5	1062660000	B.110
WQV 6/5	1062660000	B.112
WQV 6/5	1062660000	B.116
WQV 6/6	1062670000	A.318
WQV 6/6	1062670000	B.94
WQV 6/6	1062670000	B.114
WQV 6/7	1062680000	A.318
WQV 6/7	1062680000	B.109
WQV 70/95-PEN	1072300000	A.257
WQV 70/95-PEN	1072300000	A.325
WQV 70/95-PEN	1072300000	B.11
WQV 70/95/2	1063500000	A.239
WQV 70/95/2	1063500000	A.319
WQV 70/95/2	1063500000	B.7
WQV 70/95/3	1063600000	A.239
WQV 70/95/3	1063600000	A.319
WQV 70/95/3	1063600000	B.7
WQV 70N-35	2462540000	A.320
WQV 70N-PEN	9525840000	A.256
WQV 70N-PEN	9525840000	A.325
WQV 70N-PEN	9525840000	B.10
WQV 70N/2	9512240000	A.235
WQV 70N/2	9512240000	A.318
WQV 70N/2	9512240000	B.7
WQV 70N/2	9512240000	B.168
WQV 70N/3	9512250000	A.235
WQV 70N/3	9512250000	A.318
WQV 70N/3	9512250000	B.7
WQV 70N/3	9512250000	B.168
WQV 70N/4	9531290000	A.235
WQV 70N/4	9531290000	A.318
WQV 70N/4	9531290000	B.7
WQV 70N/4	9531290000	B.168
WQV 70N/5	2004950000	A.318
WQV 70N/5/3/1	1393020000	A.318
WQV 95N/120N/2	1826890000	A.235
WQV 95N/120N/2	1826890000	A.319
WQV 95N/120N/2	1826890000	B.8
WQV 95N/120N/2	1826890000	B.168
WQV 95N/120N/3	1826900000	A.235
WQV 95N/120N/3	1826900000	A.319
WQV 95N/120N/3	1826900000	B.8
WQV 95N/120N/3	1826900000	B.168
WQV 95N/120N/4	1826910000	A.235
WQV 95N/120N/4	1826910000	A.319
WQV 95N/120N/4	1826910000	B.8
WQV 95N/120N/4	1826910000	B.168
WQV 95N/120N/5/3/1	1469090000	A.319
WQV PEN 50N	9201610000	A.255
WQV PEN 50N	9201610000	A.325
WQV PEN 50N	9201610000	B.10
WQV PEN 95N/120N	9201630000	A.256
WQV PEN 95N/120N	9201630000	A.325
WQV PEN 95N/120N	9201630000	B.11
WS 10/12 MC NE WS	1905970000	A.81
WS 10/12 MC NE WS	1905970000	A.231
WS 10/12 MC NE WS	1905970000	B.166
WS 10/12 MC NE WS	1905970000	B.173
WS 10/12 MC NE WS	1905970000	B.175
WS 10/15 MC NE WS	1854090000	A.203
WS 10/3.5 PLUS MC NE WS	2003760000	A.6
WS 10/3.5 PLUS MC NE WS	2003760000	A.7
WS 10/3.5 PLUS MC NE WS	2003760000	A.14
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WS 10/3.5 PLUS MC NE WS	2003760000	A.22
WS 10/3.5 PLUS MC NE WS	2003760000	A.23
WS 10/3.5 PLUS MC NE WS	2003760000	A.29
WS 10/3.5 PLUS MC NE WS	2003760000	A.44
WS 10/3.5 PLUS MC NE WS	2003760000	A.45
WS 10/3.5 PLUS MC NE WS	2003760000	A.46
WS 10/3.5 PLUS MC NE WS	2003760000	A.47
WS 10/3.5 PLUS MC NE WS	2003760000	A.52
WS 10/3.5 PLUS MC NE WS	2003760000	B.49
WS 10/3.5 PLUS MC NE WS	2003760000	B.51
WS 10/3.5 PLUS MC NE WS	2003760000	B.124
WS 10/3.5 PLUS MC NE WS	2003760000	B.125
WS 10/5 M MC NE WS	1792000000	A.49
WS 10/5 M MC NE WS	1792000000	A.50
WS 10/5 M MC NE WS	1792000000	A.52
WS 10/5 M MC NE WS	1792000000	A.118
WS 10/5 M MC NE WS	1792000000	A.119
WS 10/5 M MC NE WS	1792000000	A.148
WS 10/5 M MC NE WS	1792000000	A.149
WS 10/5 M MC NE WS	1792000000	A.171
WS 10/5 M MC NE WS	1792000000	A.203
WS 10/5 M MC NE WS	1792000000	B.119
WS 10/5 M MC NE WS	1792000000	B.138
WS 10/5 M MC NE WS	1792000000	B.141
WS 10/5 M PLUS MC NE WS	2003770000	A.7
WS 10/5 M PLUS MC NE WS	2003770000	A.8
WS 10/5 M PLUS MC NE WS	2003770000	A.16
WS 10/5 M PLUS MC NE WS	2003770000	A.17
WS 10/5 M PLUS MC NE WS	2003770000	A.18
WS 10/5 M PLUS MC NE WS	2003770000	A.19
WS 10/5 M PLUS MC NE WS	2003770000	A.20
WS 10/5 M PLUS MC NE WS	2003770000	A.23
WS 10/5 M PLUS MC NE WS	2003770000	A.24
WS 10/5 M PLUS MC NE WS	2003770000	A.29
WS 10/5 M PLUS MC NE WS	2003770000	A.30
WS 10/5 M PLUS MC NE WS	2003770000	A.34
WS 10/5 M PLUS MC NE WS	2003770000	A.38
WS 10/5 M PLUS MC NE WS	2003770000	A.39
WS 10/5 M PLUS MC NE WS	2003770000	A.40
WS 10/5 M PLUS MC NE WS	2003770000	A.41
WS 10/5 M PLUS MC NE WS	2003770000	A.48
WS 10/5 M PLUS MC NE WS	2003770000	A.50
WS 10/5 M PLUS MC NE WS	2003770000	A.51
WS 10/5 M PLUS MC NE WS	2003770000	B.44
WS 10/5 M PLUS MC NE WS	2003770000	B.55
WS 10/5 M PLUS MC NE WS	2003770000	B.57
WS 10/5 MC M SDR	1792010000	A.176
WS 10/5 MC M SDR	1792010000	A.177
WS 10/5 MC NE WS	1635000000	A.70
WS 10/5 MC NE WS	1635000000	A.71
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WS 10/5 MC NE WS	1635000000	A.79
WS 10/5 MC NE WS	1635000000	A.82
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WS 10/5 MC NE WS	1635000000	A.88
WS 10/5 MC NE WS	1635000000	A.100
WS 10/5 MC NE WS	1635000000	A.101
WS 10/5 MC NE WS	1635000000	A.106
WS 10/5 MC NE WS	1635000000	A.107
WS 10/5 MC NE WS	1635000000	A.128
WS 10/5 MC NE WS	1635000000	A.129
WS 10/5 MC NE WS	1635000000	A.130
WS 10/5 MC NE WS	1635000000	A.134
WS 10/5 MC NE WS	1635000000	A.135
WS 10/5 MC NE WS	1635000000	A.136
WS 10/5 MC NE WS	1635000000	A.137
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WS 10/5 MC NE WS	1635000000	A.139
WS 10/5 MC NE WS	1635000000	A.145
WS 10/5 MC NE WS	1635000000	A.151
WS 10/5 MC NE WS	1635000000	A.154
WS 10/5 MC NE WS	1635000000	A.155
WS 10/5 MC NE WS	1635000000	A.156
WS 10/5 MC NE WS	1635000000	A.157
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WS 10/5 MC NE WS	1635000000	A.160
WS 10/5 MC NE WS	1635000000	A.162
WS 10/5 MC NE WS	1635000000	A.164
WS 10/5 MC NE WS	1635000000	A.165
WS 10/5 MC NE WS	1635000000	A.170
WS 10/5 MC NE WS	1635000000	A.177
WS 10/5 MC NE WS	1635000000	A.179
WS 10/5 MC NE WS	1635000000	A.180
WS 10/5 MC NE WS	1635000000	A.184
WS 10/5 MC NE WS	1635000000	A.188
WS 10/5 MC NE WS	1635000000	A.189
WS 10/5 MC NE WS	1635000000	A.196
WS 10/5 MC NE WS	1635000000	A.197
WS 10/5 MC NE WS	1635000000	A.199
WS 10/5 MC NE WS	1635000000	A.200
WS 10/5 MC NE WS	1635000000	A.201
WS 10/5 MC NE WS	1635000000	A.202
WS 10/5 MC NE WS	1635000000	A.290
WS 10/5 MC NE WS	1635000000	A.291
WS 10/5 MC NE WS	1635000000	B.139
WS 10/5 MC NE WS	1635000000	B.140
WS 10/5 MC NE WS	1635000000	B.141
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WS 10/5 MC NE WS	1635000000	B.143
WS 10/5 MC NE WS	1635000000	B.174
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WS 10/6 M PLUS MC NE WS	2003780000	A.8
WS 10/6 M PLUS MC NE WS	2003780000	A.9
WS 10/6 M PLUS MC NE WS	2003780000	A.25
WS 10/6 M PLUS MC NE WS	2003780000	A.26
WS 10/6 M PLUS MC NE WS	2003780000	A.35
WS 10/6 M PLUS MC NE WS	2003780000	A.41
WS 10/6 M PLUS MC NE WS	2003780000	B.63
WS 10/6 M PLUS MC NE WS	2003780000	B.64
WS 10/6 M PLUS MC NE WS	2003780000	B.67
WS 10/6 MC NE WS	1828450000	A.108
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WS 10/6 MC NE WS	1828450000	A.190
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WS 10/6 MC NE WS	1828450000	A.333
WS 10/6 MC NE WS	1828450000	B.186
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WS 10/6 MC NE WS	1828450000	B.188
WS 10/6 MC NE WS	1828450000	B.189
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WS 10/8 PLUS MC NE WS	1905950000	A.10
WS 10/8 PLUS MC NE WS	1905950000	A.26
WS 10/8 PLUS MC NE WS	1905950000	A.27
WS 10/8 PLUS MC NE WS	1905950000	A.71
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WS 10/8 PLUS MC NE WS	1905950000	B.48
WS 10/8 PLUS MC NE WS	1905950000	B.49
WS 10/8 PLUS MC NE WS	1905950000	B.50
WS 10/8 PLUS MC NE WS	1905950000	B.52
WS 10/8 PLUS MC NE WS	1905950000	B.53
WS 10/8 PLUS MC NE WS	1905950000	B.58
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WS 10/8 PLUS MC SDR	1906030000	B.52
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WS 12/5 MC NE WS	1609860000	A.124
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WS 12/5 MC NE WS	1609860000	A.150
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WS 12/5 MC NE WS	1609860000	A.231
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WS 12/5 MC NE WS	1609860000	A.330
WS 12/5 MC NE WS	1609860000	A.334
WS 12/5 MC NE WS	1609860000	B.7
WS 12/5 MC NE WS	1609860000	B.45
WS 12/5 MC NE WS	1609860000	B.126
WS 12/5 MC NE WS	1609860000	B.165
WS 12/5 MC NE WS	1609860000	B.193
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WS 12/6 MC NE WS	1609900000	A.108
WS 12/6 MC NE WS	1609900000	A.109
WS 12/6 MC NE WS	1609900000	A.115
WS 12/6 MC NE WS	1609900000	A.116
WS 12/6 MC NE WS	1609900000	A.139
WS 12/6 MC NE WS	1609900000	A.140
WS 12/6 MC NE WS	1609900000	A.141
WS 12/6 MC NE WS	1609900000	A.142
WS 12/6 MC NE WS	1609900000	A.145
WS 12/6 MC NE WS	1609900000	A.146
WS 12/6 MC NE WS	1609900000	A.166
WS 12/6 MC NE WS	1609900000	A.171
WS 12/6 MC NE WS	1609900000	A.223
WS 12/6 MC NE WS	1609900000	A.224
WS 12/6 MC NE WS	1609900000	A.225
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WS 12/6 MC NE WS	1609900000	A.261
WS 12/6 MC NE WS	1609900000	A.274
WS 12/6 MC NE WS	1609900000	A.275
WS 12/6 MC NE WS	1609900000	A.283
WS 12/6 MC NE WS	1609900000	A.284
WS 12/6 MC NE WS	1609900000	A.285
WS 12/6 MC NE WS	1609900000	B.98
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WS 12/6.5 MC NE WS	1609920000	A.253
WS 12/6.5 MC NE WS	1609920000	A.254
WS 12/6.5 MC NE WS	1609920000	A.255
WS 12/6.5 MC NE WS	1609920000	A.256
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WS 12/6.5 MC NE WS	1609920000	A.337
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WS 12/6.5 MC NE WS	1609920000	A.339
WS 12/6.5 MC NE WS	1609920000	B.6
WS 12/6.5 MC NE WS	1609920000	B.7
WS 12/6.5 MC NE WS	1609920000	B.8
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WS 12/6.5 MC NE WS	1609920000	B.101
WS 12/6.5 MC NE WS	1609920000	B.102
WS 12/6.5 MC NE WS	1609920000	B.111
WS 12/6.5 MC NE WS	1609920000	B.113
WS 12/6.5 MC NE WS	1609920000	B.166
WS 12/6.5 MC NE WS	1609920000	B.167
WS 12/6.5 MC NE WS	1609920000	B.168
WS 12/8 PLUS MC NE WS	1906000000	A.73
WS 12/8 PLUS MC NE WS	1906000000	A.226
WS 12/8 PLUS MC NE WS	1906000000	B.105
WS 12/8 PLUS MC NE WS	1906000000	B.106
WS 12/8 PLUS MC NE WS	1906000000	B.107
WS 12/8 PLUS MC NE WS	1906000000	B.115
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WS 15/5 MC NE WS	1609880000	A.331
WS 15/5 MC NE WS	1609880000	A.332
WS 15/5 MC NE WS	1609880000	A.333
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WS 7.8/9.2 PLUS MC NE GR	1208970000	A.11
WS 7.8/9.2 PLUS MC NE GR	1208970000	A.12
WS 7.8/9.2 PLUS MC NE GR	1208970000	A.13
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WS 8/5 MC NE WS	1640740000	A.241
WS 8/5 MC NE WS	1640740000	A.242
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ZQV 1.5N/10 BL	1985680000	B.124
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ZQV 2.5N/2	1527540000	A.291
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ZQV 2.5N/7 RD	2108810000	A.314
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0328300000	E 14/6A GN	A.272
0328300000	E 14/6A GN	A.278
0328400000	E 14/10A RT	A.272
0328400000	E 14/10A RT	A.278
0328500000	E 14/16A GR	A.278
0328600000	P 14/6 D01 GN SAKS4	A.279
0328700000	P 14/10 D01 RT SAKS4	A.279
0329300000	QVS 3 SAKT1+2	B.101
0329300000	QVS 3 SAKT1+2	B.102
0329300000	QVS 3 SAKT1+2	B.108
0330000000		
0330800000	TS 35X7.5 2M/AL/BK	C.17
0334700000	BS 25 O.IH SAKT1	B.109
0334900000	MB M6/M4 GR	C.20
0335200000	BS 25 IH/SW SAKT1	B.109
0335300000	BS 25 IH/GR SAKT1	B.109
0335400000	BS 25 IH/BL SAKT1	B.109
0335500000	BS 25 IH/RT SAKT1	B.109
0335600000	BS 25 IH/GN SAKT1	B.94
0335600000	BS 25 IH/GN SAKT1	B.100
0335600000	BS 25 IH/GN SAKT1	B.104
0335600000	BS 25 IH/GN SAKT1	B.109
0335600000	BS 25 IH/GN SAKT1	B.110
0335600000	BS 25 IH/GN SAKT1	B.112
0335700000	BS 25 IH/GE SAKT1	B.94
0335700000	BS 25 IH/GE SAKT1	B.100
0335700000	BS 25 IH/GE SAKT1	B.104
0335700000	BS 25 IH/GE SAKT1	B.109
0335700000	BS 25 IH/GE SAKT1	B.110
0335700000	BS 25 IH/GE SAKT1	B.112
0335800000	BS 25 IH/VI SAKT1	B.94
0335800000	BS 25 IH/VI SAKT1	B.100
0335800000	BS 25 IH/VI SAKT1	B.104
0335800000	BS 25 IH/VI SAKT1	B.109
0335800000	BS 25 IH/VI SAKT1	B.110
0335800000	BS 25 IH/VI SAKT1	B.112
0336400000	Q 2 AKZ4	A.222
0336400000	Q 2 AKZ4	A.320
0336500000	Q 3 AKZ4	A.320
0336600000	Q 4 AKZ4	A.320
0338300000	QL 10 SAK6N	A.262
0338300000	QL 10 SAK6N	A.263
0338300000	QL 10 SAK6N	A.268
0338300000	QL 10 SAK6N	B.109
0338900000	QL 10 SAKS2	A.272
0338900000	QL 10 SAKS2	A.273
0339000000	QL 10 SAKS4	A.272
0339410000	SK E14 SAKS4	A.272
0340000000		
0340460000	AKZ 1.5	A.218
0340480000	AKZ 1.5 BL	A.218
0340560000	AP AKZ1.5	A.218
0340580000	AP AKZ1.5 BL	A.218
0341000000	STB 30.5 IH/SW	B.108
0341100000	STB 30.5 IH/GR	B.108
0341200000	STB 30.5 IH/BL	B.108
0341300000	STB 30.5 IH/RT	B.108
0341400000	STB 30.5 IH/GN	B.108

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0343400000	STB 25 IH/BL	B.100
0348260000	TW AKZ4	A.222
0348900000	SSCH 10X3X1000 CU/SN	B.150
0348900000	SSCH 10X3X1000 CU/SN	B.151
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0348900000	SSCH 10X3X1000 CU/SN	B.153
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0348900000	SSCH 10X3X1000 CU/SN	B.191
0348900000	SSCH 10X3X1000 CU/SN	B.192
0348900000	SSCH 10X3X1000 CU/SN	B.193
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0348900000	SSCH 10X3X1000 CU/SN	B.195
0348900000	SSCH 10X3X1000 CU/SN	B.196
0348900000	SSCH 10X3X1000 CU/SN	B.200
0348900000	SSCH 10X3X1000 CU/SN	B.201
0348900000	SSCH 10X3X1000 CU/SN	C.12

0350000000

0353500000	FKSC M6X12 D9/SW3	C.20
0353660000	TSCH 2	B.100
0357400000	SSCH 15X6X1000 CU/SN	C.12
0358460000	QVS 2/S SAKT1+2	B.108
0359310000	SK E18 SAKS5	A.273

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0361300000	E 18/20A BL	A.273
0361300000	E 18/20A BL	A.279
0361400000	E 18/25A GE	A.273
0361400000	E 18/25A GE	A.279
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0361500000	E 18/35A SW	A.279
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0361800000	P 18/20 D02 BL SAKS5	A.279
0361900000	P 18/25 D02 GE SAKS5	A.273
0361900000	P 18/25 D02 GE SAKS5	A.279
0362000000	P 18/35 D02 SW SAKS5	A.273
0362000000	P 18/35 D02 SW SAKS5	A.279
0362100000	P 18/50 D02 WS SAKS5	A.273
0362100000	P 18/50 D02 WS SAKS5	A.279
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0368200000	Q 2 AKZ1.5	A.220
0368200000	Q 2 AKZ1.5	A.320
0368300000	Q 3 AKZ1.5	A.320
0368400000	Q 4 AKZ1.5	A.320
0368500000	Q 10 AKZ1.5	A.218
0368500000	Q 10 AKZ1.5	A.220
0368500000	Q 10 AKZ1.5	A.320
0368600000	Q 10 AKZ4	A.222
0368600000	Q 10 AKZ4	A.320
0369000000	Q 2 AKZ4SS	A.243
0369000000	Q 2 AKZ4SS	A.320
0369300000	Q 10 AKZ4SS	A.243
0369300000	Q 10 AKZ4SS	A.320

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0377100000	KISC M3X20 SAK10 CU5	A.268
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0382860000	EW 15	A.218
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0383410000	TS 35X7.5 1M/ST/ZN	C.17
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0388700000	STB 35 IH/BL	B.101
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0389000000	STB 35 IH/GE	B.100
0389000000	STB 35 IH/GE	B.101
0389000000	STB 35 IH/GE	B.102
0389000000	STB 35 IH/GE	B.108
0389100000	STB 35 IH/VI	B.100
0389100000	STB 35 IH/VI	B.101
0389100000	STB 35 IH/VI	B.102
0389100000	STB 35 IH/VI	B.108

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0430300000	G 20/0.10A/F	A.85
0430300000	G 20/0.10A/F	A.169
0430300000	G 20/0.10A/F	A.278
0430400000	G 20/0.20A/F	A.36
0430400000	G 20/0.20A/F	A.85
0430400000	G 20/0.20A/F	A.169
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0430500000	G 20/0.25A/F	A.154
0430500000	G 20/0.25A/F	A.155
0430500000	G 20/0.25A/F	A.156
0430500000	G 20/0.25A/F	A.160
0430500000	G 20/0.25A/F	A.162
0430500000	G 20/0.25A/F	A.164
0430500000	G 20/0.25A/F	A.165
0430500000	G 20/0.25A/F	A.169
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0430500000	G 20/0.25A/F	A.277
0430500000	G 20/0.25A/F	A.278
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0430600000	G 20/0.50A/F	A.169
0430600000	G 20/0.50A/F	A.260
0430600000	G 20/0.50A/F	A.262
0430600000	G 20/0.50A/F	A.263
0430600000	G 20/0.50A/F	A.268
0430600000	G 20/0.50A/F	A.274
0430600000	G 20/0.50A/F	A.276
0430600000	G 20/0.50A/F	A.277
0430600000	G 20/0.50A/F	A.278
0430600000	G 20/0.50A/F	B.64
0430600000	G 20/0.50A/F	B.67
0430700000	G 20/1.00A/F	A.35
0430700000	G 20/1.00A/F	A.36
0430700000	G 20/1.00A/F	A.84
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0430700000	G 20/1.00A/F	A.268
0430700000	G 20/1.00A/F	A.274
0430700000	G 20/1.00A/F	A.276
0430700000	G 20/1.00A/F	A.277
0430700000	G 20/1.00A/F	A.278
0430700000	G 20/1.00A/F	B.64
0430700000	G 20/1.00A/F	B.67
0430800000	G 20/1.60A/F	A.36
0430800000	G 20/1.60A/F	A.85
0430800000	G 20/1.60A/F	A.169
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0430900000	G 20/2.00A/F	A.156
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0430900000	G 20/2.00A/F	A.263
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0430900000	G 20/2.00A/F	B.64
0430900000	G 20/2.00A/F	B.67
0431000000	G 20/2.50A/F	A.36
0431000000	G 20/2.50A/F	A.85
0431000000	G 20/2.50A/F	A.169
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0431100000	G 20/3.15A/F	A.36
0431100000	G 20/3.15A/F	A.85
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0431100000	G 20/3.15A/F	A.278
0431200000	G 20/4.00A/F	A.36
0431200000	G 20/4.00A/F	A.85
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0431300000	G 20/5.00A/F	A.36
0431300000	G 20/5.00A/F	A.85
0431300000	G 20/5.00A/F	A.169
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0431400000	G 20/6.30A/F	A.36
0431400000	G 20/6.30A/F	A.85
0431400000	G 20/6.30A/F	A.169
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0438000000	SSCH 10X3X1000 ST/ZN	C.12
0439000000	G 20/0.63A/F	A.36
0439000000	G 20/0.63A/F	A.85
0439000000	G 20/0.63A/F	A.169
0439000000	G 20/0.63A/F	A.278

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0445600000	MEW 1/32	C.19

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0470700000	QL 2 SAK16	A.264
0470700000	QL 2 SAK16	A.265
0470700000	QL 2 SAK16	A.269
0471000000	QL 10 SAK16	A.264
0471000000	QL 10 SAK16	A.265
0471000000	QL 10 SAK16	A.269
0475380000	ZB 4K BL	B.190
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0485200000	ADP 1/HP1 1M	C.21
0485300000	ADP 2/HP2 1M	C.21
0485400000	ADP 3/HP3 1M	C.21
0485560000	HP 1 ADP1	C.21
0485660000	HP 2 ADP2	C.21
0485760000	HP 3 ADP3	C.21
0485860000	HP 4 ADP3	C.21

0490000000

0494920000	SH 2	C.13
0495660000	MOFU 35	C.20
0498000000	TS 35X15/2.3 2M/ST/ZN	C.17

0500000000

0501800000	SAKS 4/35 DB	A.272
0502100000	SAKS 5/35 DB	A.273
0502680000	ZB 35K BL M6X16	B.190
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0502880000	ZB 16K BL	B.174
0502880000	ZB 16K BL	B.175
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0502880000	ZB 16K BL	B.191
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0514300000	TSK 35X15 2M PVC/GR	C.18
0514400000	TS 32X15/LL 2M/ST/ZN	C.16
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.160
0514500000	TS 35X7.5/LL 2M/ST/ZN	B.161
0514500000	TS 35X7.5/LL 2M/ST/ZN	C.17
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0514570000	TS 35X7.5/LL/6 2M/ST/ZN	C.17
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0531760000	SSP 3 SAKT1	B.102
0531760000	SSP 3 SAKT1	B.104
0531760000	SSP 3 SAKT1	B.108
0531760000	SSP 3 SAKT1	B.110
0531760000	SSP 3 SAKT1	B.112

0540000000

0545300000	QB 58/8/9/WI	B.100
0545300000	QB 58/8/9/WI	B.104
0546000000	ISPF QB58 SW	B.100
0546000000	ISPF QB58 SW	B.104
0546900000	G 25/0.25A/M GE	A.169
0546900000	G 25/0.25A/M GE	A.278

0550000000

0553400000	MB M5/M3 SW	C.20
0556660000	SH 3	C.13

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0566700000	BEZ-KARTE ADP	C.21

0570000000

0571300000	SSCH 6X6X1000 CU/SN	C.12

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0620120000	MK 6/6	A.307
0620220000	MK 6/4	A.307
0620320000	MK 6/3	A.307
0620420000	MK 6/2	A.307
0624720000	BK 2 CRN	A.309
0624920000	BK 3 CRN	A.309
0625120000	BK 4 CRN	A.309
0625220000	BK 6 CRN	A.309
0625320000	BK 12 CRN	A.309

0630000000

0635960000	KLBUE SH1	C.12
0636800000	FM 5/TS35	C.20
0636900000	FM 6/TS35	C.20

0640000000

0641720000	SH 2 S	C.13
0642600000	FKSC M6X8 D9/SW3	C.20
0646210000	MOFU 35/LO/1 SW	C.20
0646260000	MOFU 35/LO/1	C.20
0646400000	G 25/0.80A/M GR	A.169
0646400000	G 25/0.80A/M GR	A.278

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0687900000	FM 4/TS35	B.156
0687900000	FM 4/TS35	C.20

0690000000

0697160000	AKZ 2.5	A.220
0697180000	AKZ 2.5 BL	A.220
0697360000	AP AKZ2.5	A.220
0697380000	AP AKZ2.5 BL	A.220

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1007900000	ZP 2.5/1AN/QV	A.192
1007920000	ZP 2.5/1AN/QV GN	A.192
1007930000	ZP 2.5/1AN/QV ZA	A.192
1007950000	ZP 2.5/1AN/QV ZA GN	A.192
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1007970000	ZP 2.5/1AN/QV ZAO.RA BL	A.192
1007980000	ZP 2.5/1AN/QV ZAO.RA GN	A.192
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1010600000	WNT 2.5 10X3 BE	B.194
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1010880000	WNT 6 10X3	B.195
1010900000	WNT 10 10X3 BE	B.195
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1011300000	WSI 6/LD 10-36V DC/AC	A.263
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1011320000	DEK 5/6 PLUS MC NE WS	A.41
1011320000	DEK 5/6 PLUS MC NE WS	B.63
1011320000	DEK 5/6 PLUS MC NE WS	B.64
1011320000	DEK 5/6 PLUS MC NE WS	B.67
1012200000	WSI 6/LD 30-70V DC/AC	A.263
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1012400000	WSI 6/LD 250AC	A.263
1012600000	WPE 35/IKSC	A.255
1014000000	WSI 6/2 GZ/DEF63	A.264
1014100000	WSI 6/2/LD 10-36V DC/AC	A.265
1014200000	WSI 6/2/LD 30-70V DC/AC	A.265
1014300000	WSI 6/2/LD 60-150VDC/AC	A.265
1014400000	WSI 6/2/LD 250AC	A.265
1015800000	WDT 1.5/1 DB/GE	A.286
1015900000	WDT 1.5/2 DB/GE	A.286
1016000000	WDT 1.5/3 DB/GE	A.287
1016160000	WDT 1.5/3 BL/HB	A.287
1016200000	WPE 2.5N	A.250
1016400000	WPE 2.5/1.5/ZR	A.249
1016500000	WPE 1.5/ZZ	A.248
1016700000	WTL 6/1	B.100
1016700000	WTL 6/1	B.101
1016900000	WTL 6/1/STB	B.101
1017100000	WTD 6/1	B.100
1017100000	WTD 6/1	B.101
1017700000	WTL 6/2	B.114
1017700000	WTL 6/2	B.115
1017900000	WTQ 6/1	B.102
1018100000	WTQ 6/1/STB	B.102
1018600000	WTL 6/3/STB	B.117
1018800000	WTL 6/3	B.116
1018800000	WTL 6/3	B.117
1019000000	WNT 16N 10X3	B.195
1019100000	WPE 16N	A.254
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1020100000	WDU 4	A.223
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1020200000	WDU 6	A.226
1020280000	WDU 6 BL	A.226
1020300000	WDU 10	A.228
1020380000	WDU 10 BL	A.228
1020400000	WDU 16	A.230
1020480000	WDU 16 BL	A.230
1020500000	WDU 35	A.232
1020580000	WDU 35 BL	A.232
1020600000	WDU 35/IK	A.233
1020680000	WDU 35/IK BL	A.233
1021500000	WDK 2.5	A.240
1021580000	WDK 2.5 BL	A.240
1021600000	WDK 2.5 F	A.296
1021680000	WDK 2.5 F BL	A.296
1021700000	WDK 2.5 FF	A.297
1021800000	WDU 2.5 F 2X2.8	A.295
1021900000	WDU 2.5 FF 2X2.8	A.295
1022220000	PDU 2.5/4/2X2AN	A.71
1022300000	WDK 2.5V	A.241
1022380000	WDK 2.5V BL	A.241
1022400000	WDK 2.5 FV	A.296
1022600000	WDK 2.5 2D 2.A	A.304
1023100000	WDK 2.5/D/3	A.303
1023200000	WDK 2.5/D	A.305
1023300000	WDK 2.5 1D A.2	A.303
1023400000	WDK 2.5 1D A.1	A.302
1023500000	WDK 2.5 2D	A.304
1023600000	WDK 2.5 LD RT 24VDC +-	A.305
1023700000	WDU 2.5N	A.221
1023780000	WDU 2.5N BL	A.221
1023830000	ZTR 6-2	A.171
1024100000	WDU 2.5/TC TYP K	B.121
1024200000	WDU 2.5/TC TYP T	B.121
1024300000	WDU 2.5/TC TYP J	B.121
1024400000	WDU 2.5/TC TYP SR	B.121
1024500000	WDU 120/150	A.239
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1024600000	WDU 70/95	A.239
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1024680000	WDU 70/95 BL	A.239
1024680000	WDU 70/95 BL	B.7
1024700000	WDU 2.5/1.5/ZR	A.219
1024780000	WDU 2.5/1.5/ZR BL	A.219
1027000000	WDUL 4/10	A.301
1027300000	WDUL 4/100	A.301
1027400000	WDUL 4/500	A.301
1027410000	WDK 2.5/BLZ/5.08/ZA V	A.299
1027500000	WDUL 4/1K	A.301
1027550000	ZMAK 2.5 690V	A.127
1027550000	ZMAK 2.5 690V	B.45
1027600000	WDUL 4/5K	A.301
1027700000	WDUL 4/10K	A.301
1027800000	WDUL 4/50K	A.301
1027840000	WQL 4 WF10	A.332
1027840000	WQL 4 WF10	A.333
1027840000	WQL 4 WF10	A.342
1028000000	WDUL 4/500K	A.301
1028300000	WFF 35	A.336
1028380000	WFF 35 BL	A.336
1028400000	WFF 70	A.337
1028480000	WFF 70 BL	A.337
1028500000	WFF 120	A.337
1028580000	WFF 120 BL	A.337
1028600000	WFF 185	A.338
1028680000	WFF 185 BL	A.338
1028700000	WFF 300	A.339
1029000000	WDU 35/IK/ZA	A.233
1029100000	WDK 2.5/EX	A.243
1029300000	WFF 35/AH	A.336
1029400000	WFF 70/AH	A.337
1029500000	WFF 120/AH	A.337
1029600000	WFF 185/AH	A.338
1029700000	WFF 300/AH	A.339
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1029900000	WDL 2.5/N/L/PE	B.199

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1030300000	WDL 2.5/L/L	B.198
1030400000	WDL 2.5/L	B.199
1030600000	WDL 2.5/S/NT/L/PE	B.200
1030700000	WDL 2.5/S/N/L/PE	B.201
1031100000	WDL 2.5/S/L/L/PE	B.201
1031200000	WDL 2.5/S/L/L	B.200
1031300000	WDL 2.5/S/L	B.201
1031400000	WDU 1.5/ZZ	A.219
1031480000	WDU 1.5/ZZ BL	A.219
1033300000	WDU 2.5/TC TYP E	B.121
1033700000	WDU 2.5/TC TYP B	B.121
1034400000	WDK 2.5/BLZ/5.08/ZA	A.299
1036000000	WPO 4	A.300
1036100000	WDU 16N	A.231
1036180000	WDU 16N BL	A.231
1036300000	WDK 2.5PE	A.258
1036400000	WDK 2.5DU-PE	A.241
1037300000	WPE 70/95	A.257
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1039900000	WTR 2.5/ZZ	A.281
1039980000	WTR 2.5/ZZ BL	A.281

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1040400000	WDU 35N	A.233
1040480000	WDU 35N BL	A.233
1040800000	WDU 2.5N ZQV	A.221
1040880000	WDU 2.5N ZQV BL	A.221
1041100000	WDK 2.5 ZQV	A.241
1041180000	WDK 2.5 ZQV BL	A.241
1041500000	WDU 2.5/TC TYP N	B.121
1041600000	WDK 2.5N	A.242
1041610000	WDK 2.5N V	A.242
1041620000	WDK 2.5N PE	A.258
1041650000	WDK 2.5N DU-PE	A.243
1041680000	WDK 2.5N BL	A.242
1041900000	WDK 4N	A.243
1041910000	WDK 4N V	A.244
1041920000	WDK 4N PE	A.259
1041980000	WDK 4N BL	A.243
1042400000	WDU 10/ZR	A.229
1042480000	WDU 10/ZR BL	A.229
1042500000	WPE 10/ZR	A.253
1042600000	WDU 4N	A.224
1042680000	WDU 4N BL	A.224
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1050010000	WAP 2.5-10 SW	A.275
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1050080000	WAP 2.5-10 BL	A.229
1050080000	WAP 2.5-10 BL	A.295
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1050100000	WAP 16+35 WTW 2.5-10	A.284
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1050100000	WAP 16+35 WTW 2.5-10	A.295
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1050180000	WAP 16+35 WTW 2.5-10 BL	A.221
1050180000	WAP 16+35 WTW 2.5-10 BL	A.223
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1050180000	WAP 16+35 WTW 2.5-10 BL	A.228
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1050180000	WAP 16+35 WTW 2.5-10 BL	A.231
1050180000	WAP 16+35 WTW 2.5-10 BL	A.232
1050180000	WAP 16+35 WTW 2.5-10 BL	A.233
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1050280000	WHP 2.5-35N/10x3 BL	B.195
1050280000	WHP 2.5-35N/10x3 BL	B.196
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1051940000	ZP 4/1AN ZA	A.192
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1051960000	WQV 4/2	A.318
1051960000	WQV 4/2	B.98
1051960000	WQV 4/2	B.165
1051970000	ZP 4/1AN	A.192
1051980000	ZP 4/1AN GN	A.192
1052060000	WQV 4/10	A.223
1052060000	WQV 4/10	A.225
1052060000	WQV 4/10	A.318
1052060000	WQV 4/10	B.98
1052060000	WQV 4/10	B.165
1052100000	KISC M3X5	A.262
1052100000	KISC M3X5	A.263
1052100000	KISC M3X5	A.264
1052100000	KISC M3X5	A.265
1052100000	KISC M3X5	A.269
1052260000	WQV 6/10	A.226
1052260000	WQV 6/10	A.227
1052260000	WQV 6/10	A.318
1052260000	WQV 6/10	B.95
1052260000	WQV 6/10	B.101
1052260000	WQV 6/10	B.102
1052260000	WQV 6/10	B.105
1052260000	WQV 6/10	B.106
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1052260000	WQV 6/10	B.109
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1052290000	PAP 2.5/4/4AN BL	A.90
1052300000	PAP 2.5/4/3AN BL	A.90
1052360000	WQV 6/2	A.226
1052360000	WQV 6/2	A.227
1052360000	WQV 6/2	A.318
1052360000	WQV 6/2	B.95
1052360000	WQV 6/2	B.101
1052360000	WQV 6/2	B.102
1052360000	WQV 6/2	B.105
1052360000	WQV 6/2	B.106
1052360000	WQV 6/2	B.107
1052360000	WQV 6/2	B.109
1052360000	WQV 6/2	B.111
1052360000	WQV 6/2	B.113
1052360000	WQV 6/2	B.115
1052360000	WQV 6/2	B.117
1052460000	WQV 10/10	A.228
1052460000	WQV 10/10	A.229
1052460000	WQV 10/10	A.244
1052460000	WQV 10/10	A.245
1052460000	WQV 10/10	A.246
1052460000	WQV 10/10	A.247
1052460000	WQV 10/10	A.259
1052460000	WQV 10/10	A.319
1052460000	WQV 10/10	B.42
1052560000	WQV 10/2	A.228
1052560000	WQV 10/2	A.229
1052560000	WQV 10/2	A.244
1052560000	WQV 10/2	A.245
1052560000	WQV 10/2	A.246
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1052560000	WQV 10/2	A.259
1052560000	WQV 10/2	A.319
1052560000	WQV 10/2	B.42
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1052660000	ZTA ZDK 2.5	A.123
1052680000	ZTA ZDK 2.5/ZA	A.122
1052680000	ZTA ZDK 2.5/ZA	A.123
1053060000	WQV 35/2	A.232
1053060000	WQV 35/2	A.233
1053060000	WQV 35/2	A.319
1053060000	WQV 35/2	B.120
1053060000	WQV 35/2	B.167
1053160000	WQV 35/10	A.232
1053160000	WQV 35/10	A.233
1053160000	WQV 35/10	A.319
1053160000	WQV 35/10	B.167
1053260000	WQV 16/2	A.230
1053260000	WQV 16/2	A.231
1053260000	WQV 16/2	A.319
1053260000	WQV 16/2	B.166
1053360000	WQV 16/10	A.230
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1053660000	WQV 2.5/2	A.240
1053660000	WQV 2.5/2	A.241
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1053660000	WQV 2.5/2	A.288
1053660000	WQV 2.5/2	A.289
1053660000	WQV 2.5/2	A.295
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1053660000	WQV 2.5/2	A.297
1053660000	WQV 2.5/2	A.298
1053660000	WQV 2.5/2	A.302
1053660000	WQV 2.5/2	A.303
1053660000	WQV 2.5/2	A.304
1053660000	WQV 2.5/2	A.305
1053660000	WQV 2.5/2	A.318
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1053760000	WQV 2.5/3	A.318
1053860000	WQV 2.5/4	A.318
1053960000	WQV 2.5/5	A.318
1054060000	WQV 2.5/6	A.318
1054160000	WQV 2.5/7	A.318
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1054360000	WQV 2.5/9	A.318
1054460000	WQV 2.5/10	A.219
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1054460000	WQV 2.5/10	A.221
1054460000	WQV 2.5/10	A.222
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1054460000	WQV 2.5/10	A.289
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1054460000	WQV 2.5/10	A.297
1054460000	WQV 2.5/10	A.298
1054460000	WQV 2.5/10	A.302
1054460000	WQV 2.5/10	A.303
1054460000	WQV 2.5/10	A.304
1054460000	WQV 2.5/10	A.305
1054460000	WQV 2.5/10	A.318
1054460000	WQV 2.5/10	B.165
1054560000	WQV 4/3	A.318
1054560000	WQV 4/3	B.98
1054660000	WQV 4/4	A.318
1054660000	WQV 4/4	B.98
1054760000	WQV 6/3	A.318
1054760000	WQV 6/3	B.95
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1054760000	WQV 6/3	B.109
1054760000	WQV 6/3	B.111
1054760000	WQV 6/3	B.113
1054760000	WQV 6/3	B.115
1054760000	WQV 6/3	B.117
1054860000	WQV 6/4	A.318
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1054860000	WQV 6/4	B.115
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1054960000	WQV 10/3	A.319
1055060000	WQV 10/4	A.319
1055160000	WQV 16/3	A.319
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1055960000	WAD 12 M.BL.	A.232
1055960000	WAD 12 M.BL.	A.233
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1056260000	WAD 12 NEUTRAL	A.231
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1056400000	LS 2.8 WDU2.5-10	A.301
1057160000	WQV 4/6	A.318
1057260000	WQV 4/7	A.318
1057860000	WQV 4/5	A.318
1058520000	ZSI 2X6/4X2.5 FC	A.167
1058800000	WTW EN	A.231
1058800000	WTW EN	A.233
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1058800000	WTW EN	A.242
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1058800000	WTW EN	A.244
1058800000	WTW EN	A.258
1058800000	WTW EN	A.272
1058800000	WTW EN	A.273
1058800000	WTW EN	A.296
1058800000	WTW EN	A.297
1058800000	WTW EN	B.111
1058800000	WTW EN	B.113
1058800000	WTW EN	B.166
1058800000	WTW EN	B.167
1059000000	WEW 35/1	A.230
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1059000000	WEW 35/1	A.232
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1059000000	WEW 35/1	A.235
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1059000000	WEW 35/1	A.339
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1059000000	WEW 35/1	B.141
1059000000	WEW 35/1	B.142
1059000000	WEW 35/1	B.143
1059000000	WEW 35/1	B.163
1059000000	WEW 35/1	B.166
1059000000	WEW 35/1	B.167
1059000000	WEW 35/1	B.168
1059000000	WEW 35/1	C.13
1059000000	WEW 35/1	C.19
1059100000	WAP WDK2.5	A.240
1059100000	WAP WDK2.5	A.241
1059100000	WAP WDK2.5	A.243
1059100000	WAP WDK2.5	A.258
1059100000	WAP WDK2.5	A.296
1059100000	WAP WDK2.5	A.297
1059100000	WAP WDK2.5	A.302
1059100000	WAP WDK2.5	A.303
1059100000	WAP WDK2.5	A.304
1059100000	WAP WDK2.5	A.305
1059180000	WAP WDK2.5 BL	A.240
1059180000	WAP WDK2.5 BL	A.241
1059180000	WAP WDK2.5 BL	A.243
1059180000	WAP WDK2.5 BL	A.296
1059180000	WAP WDK2.5 BL	A.297
1059310000	ZAP ZSI2X6/4X2.5	A.167
1059310000	ZAP ZSI2X6/4X2.5	A.168
1059660000	WQV 2.5/15	A.318

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1060000000	WAP WDU2.5N/4N	A.221
1060000000	WAP WDU2.5N/4N	A.222
1060000000	WAP WDU2.5N/4N	A.224
1060000000	WAP WDU2.5N/4N	A.250
1060000000	WAP WDU2.5N/4N	A.252
1060080000	WAP WDU2.5N/4N BL	A.221
1060080000	WAP WDU2.5N/4N BL	A.222
1060080000	WAP WDU2.5N/4N BL	A.224
1060100000	WQB-PEN 35	A.254
1060100000	WQB-PEN 35	A.255
1060100000	WQB-PEN 35	A.325
1060200000	WQB-PEN 16	A.253
1060200000	WQB-PEN 16	A.325
1060300000	WQB-PEN 10	A.253
1060300000	WQB-PEN 10	A.325
1061200000	WEW 35/2	A.219
1061200000	WEW 35/2	A.220
1061200000	WEW 35/2	A.221
1061200000	WEW 35/2	A.222
1061200000	WEW 35/2	A.223
1061200000	WEW 35/2	A.224
1061200000	WEW 35/2	A.225
1061200000	WEW 35/2	A.226
1061200000	WEW 35/2	A.227
1061200000	WEW 35/2	A.228
1061200000	WEW 35/2	A.229
1061200000	WEW 35/2	A.231
1061200000	WEW 35/2	A.233
1061200000	WEW 35/2	A.240
1061200000	WEW 35/2	A.241
1061200000	WEW 35/2	A.242
1061200000	WEW 35/2	A.243
1061200000	WEW 35/2	A.244
1061200000	WEW 35/2	A.245
1061200000	WEW 35/2	A.246
1061200000	WEW 35/2	A.247
1061200000	WEW 35/2	A.248
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1061200000	WEW 35/2	A.250
1061200000	WEW 35/2	A.251
1061200000	WEW 35/2	A.252
1061200000	WEW 35/2	A.253
1061200000	WEW 35/2	A.254
1061200000	WEW 35/2	A.255
1061200000	WEW 35/2	A.258
1061200000	WEW 35/2	A.259
1061200000	WEW 35/2	A.260
1061200000	WEW 35/2	A.261
1061200000	WEW 35/2	A.262
1061200000	WEW 35/2	A.263
1061200000	WEW 35/2	A.268
1061200000	WEW 35/2	A.269
1061200000	WEW 35/2	A.275
1061200000	WEW 35/2	A.280
1061200000	WEW 35/2	A.281
1061200000	WEW 35/2	A.282
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1061200000	WEW 35/2	A.290
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1061200000	WEW 35/2	A.294
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1061200000	WEW 35/2	A.297
1061200000	WEW 35/2	A.298
1061200000	WEW 35/2	A.301
1061200000	WEW 35/2	A.302
1061200000	WEW 35/2	A.303
1061200000	WEW 35/2	A.304
1061200000	WEW 35/2	A.305
1061200000	WEW 35/2	A.330
1061200000	WEW 35/2	A.331
1061200000	WEW 35/2	A.332
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1061200000	WEW 35/2	A.334
1061200000	WEW 35/2	A.335
1061200000	WEW 35/2	B.42
1061200000	WEW 35/2	B.98
1061200000	WEW 35/2	B.100
1061200000	WEW 35/2	B.104
1061200000	WEW 35/2	B.105
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1061200000	WEW 35/2	B.118
1061200000	WEW 35/2	B.121
1061200000	WEW 35/2	B.138
1061200000	WEW 35/2	B.140
1061200000	WEW 35/2	B.141
1061200000	WEW 35/2	B.165
1061200000	WEW 35/2	B.166
1061200000	WEW 35/2	B.167
1061200000	WEW 35/2	B.194
1061200000	WEW 35/2	B.195
1061200000	WEW 35/2	B.196
1061200000	WEW 35/2	B.198
1061200000	WEW 35/2	B.199
1061200000	WEW 35/2	B.200
1061200000	WEW 35/2	B.201
1061200000	WEW 35/2	C.13
1061200000	WEW 35/2	C.19
1061210000	WEW 35/2 SW	B.91
1061210000	WEW 35/2 SW	C.13
1061210000	WEW 35/2 SW	C.19
1062060000	WTA 5/10	A.323
1062660000	WQV 6/5	A.318
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1062660000	WQV 6/5	B.110
1062660000	WQV 6/5	B.112
1062660000	WQV 6/5	B.116
1062670000	WQV 6/6	A.318
1062670000	WQV 6/6	B.94
1062670000	WQV 6/6	B.114
1062680000	WQV 6/7	A.318
1062680000	WQV 6/7	B.109
1062860000	WAD 27 M. BL.	A.239
1062860000	WAD 27 M. BL.	B.7
1062860000	WAD 27 M. BL.	B.9
1062960000	WAD 27 NEUTRAL	A.239
1062960000	WAD 27 NEUTRAL	B.7
1062960000	WAD 27 NEUTRAL	B.9
1063300000	WQV 120/2	A.239
1063300000	WQV 120/2	A.319
1063300000	WQV 120/2	B.9
1063400000	WQV 120/3	A.239
1063400000	WQV 120/3	A.319
1063400000	WQV 120/3	B.9
1063500000	WQV 70/95/2	A.239
1063500000	WQV 70/95/2	A.319
1063500000	WQV 70/95/2	B.7
1063600000	WQV 70/95/3	A.239
1063600000	WQV 70/95/3	A.319
1063600000	WQV 70/95/3	B.7
1063700000	KISC M6X16-Z3	A.336
1063700000	KISC M6X16-Z3	A.338
1063900000	WQV 16-2.5	A.321
1064000000	WQV 16-4/6	A.321
1064100000	WQV 35-2.5	A.320
1064200000	WQV 35-4/6	A.321
1064460000	WAH 35	A.336
1064460000	WAH 35	A.343
1064560000	WAH 70 BE	A.337
1064560000	WAH 70 BE	A.343
1064660000	WAH 120	A.337
1064660000	WAH 120	A.338
1064660000	WAH 120	A.343
1064760000	WAH 185/300 BE	A.338
1064760000	WAH 185/300 BE	A.339
1064760000	WAH 185/300 BE	A.343
1064900000	WQL 2 WFF35	A.336
1064900000	WQL 2 WFF35	A.342
1065000000	WQL 2 WFF70	A.337
1065000000	WQL 2 WFF70	A.342
1065100000	WQL 2 WFF120	A.337
1065100000	WQL 2 WFF120	A.338
1065100000	WQL 2 WFF120	A.342
1065200000	WQL 2 WFF185	A.338
1065200000	WQL 2 WFF185	A.339
1065200000	WQL 2 WFF185	A.342
1065300000	WQL 2 WFF300	A.339
1065300000	WQL 2 WFF300	A.342
1065400000	WQL 3 WFF35	A.336
1065400000	WQL 3 WFF35	A.342
1065500000	WQL 3 WFF70	A.337
1065500000	WQL 3 WFF70	A.342
1065600000	WQL 3 WFF120	A.337
1065600000	WQL 3 WFF120	A.338
1065600000	WQL 3 WFF120	A.342
1065700000	WQL 3 WFF185	A.338
1065700000	WQL 3 WFF185	A.339
1065700000	WQL 3 WFF185	A.342
1065800000	WQL 3 WFF300	A.339
1065800000	WQL 3 WFF300	A.342
1066000000	WZAD 70/95	A.239
1066000000	WZAD 70/95	B.7
1066100000	WZAD120	A.239
1066100000	WZAD120	B.9
1066200000	WZAF 70	A.331
1066200000	WZAF 70	A.332
1066200000	WZAF 70	A.334
1066200000	WZAF 70	A.337
1066300000	WZAF 120	A.332
1066300000	WZAF 120	A.333
1066300000	WZAF 120	A.335
1066300000	WZAF 120	A.337
1066300000	WZAF 120	A.338
1066400000	WZAF 185	A.333
1066400000	WZAF 185	A.338
1066400000	WZAF 185	A.339
1066500000	WZAF 300	A.339
1067100000	WTW WFF35	A.336
1067100000	WTW WFF35	A.342
1067200000	WTW WFF70	A.337
1067200000	WTW WFF70	A.342
1067300000	WTW WFF120	A.337
1067300000	WTW WFF120	A.338
1067300000	WTW WFF120	A.342
1067400000	WTW WFF185/300	A.338
1067400000	WTW WFF185/300	A.339
1067400000	WTW WFF185/300	A.342
1067600000	WEW 32/1	C.19
1067700000	WAP WDL2.5/S	B.200
1067700000	WAP WDL2.5/S	B.201
1067800000	WAP WDL2.5	B.198
1067800000	WAP WDL2.5	B.199
1067980000	WHP WDL2.5/S BL	B.198
1067980000	WHP WDL2.5/S BL	B.199
1067980000	WHP WDL2.5/S BL	B.200
1067980000	WHP WDL2.5/S BL	B.201
1068000000	WQV 35-10	A.320
1068160000	WBB WDU1.5/BL..	A.298
1068260000	WBB ZA WDU1.5/BL 10/10	A.298
1068300000	WAP WTL6/1	B.100
1068300000	WAP WTL6/1	B.101
1068300000	WAP WTL6/1	B.102

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1068400000	WTW WTL6/1 DB	B.102
1068400000	WTW WTL6/1 DB	B.105
1068400000	WTW WTL6/1 DB	B.106
1068400000	WTW WTL6/1 DB	B.107
1068700000	WSH 1	B.152

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1070000000	WAP WDK2.5/BLZ/0.ZA	A.299
1070100000	WAP WDK2.5/BLZ/M.ZA	A.299
1070500000	WZAF 35	A.331
1070500000	WZAF 35	A.334
1070500000	WZAF 35	A.336
1071000000	STB 21.6/IH/DB WTL6/3	B.116
1071010000	STB 21.6/IH/GE WTL6/3	B.96
1071010000	STB 21.6/IH/GE WTL6/3	B.97
1071010000	STB 21.6/IH/GE WTL6/3	B.116
1071010000	STB 21.6/IH/GE WTL6/3	B.117
1071020000	STB 21.6/IH/GN WTL6/3	B.96
1071020000	STB 21.6/IH/GN WTL6/3	B.97
1071020000	STB 21.6/IH/GN WTL6/3	B.116
1071020000	STB 21.6/IH/GN WTL6/3	B.117
1071030000	STB 21.6/IH/VI WTL6/3	B.96
1071030000	STB 21.6/IH/VI WTL6/3	B.97
1071030000	STB 21.6/IH/VI WTL6/3	B.116
1071030000	STB 21.6/IH/VI WTL6/3	B.117
1071040000	STB 21.6/IH/SW WTL6/3	B.96
1071040000	STB 21.6/IH/SW WTL6/3	B.116
1071080000	STB 21.6/IH/BL WTL6/3	B.96
1071080000	STB 21.6/IH/BL WTL6/3	B.97
1071080000	STB 21.6/IH/BL WTL6/3	B.116
1071080000	STB 21.6/IH/BL WTL6/3	B.117
1071100000	ZR WP04 DB	A.300
1071200000	SSCH 7.3X1.2X1000	A.300
1071360000	WQV 16N-PEN BL	A.254
1071360000	WQV 16N-PEN BL	A.325
1071500000	Q 2 WDL2.5S	A.320
1071500000	Q 2 WDL2.5S	B.198
1071500000	Q 2 WDL2.5S	B.199
1071500000	Q 2 WDL2.5S	B.200
1071500000	Q 2 WDL2.5S	B.201
1071600000	Q 3 WDL2.5S	A.320
1071600000	Q 3 WDL2.5S	B.198
1071600000	Q 3 WDL2.5S	B.199
1071600000	Q 3 WDL2.5S	B.200
1071600000	Q 3 WDL2.5S	B.201
1071700000	Q 4 WDL2.5S	A.320
1071700000	Q 4 WDL2.5S	B.198
1071700000	Q 4 WDL2.5S	B.199
1071700000	Q 4 WDL2.5S	B.200
1071700000	Q 4 WDL2.5S	B.201
1071800000	Q 10 WDL2.5S	A.320
1071800000	Q 10 WDL2.5S	B.198
1071800000	Q 10 WDL2.5S	B.199
1071800000	Q 10 WDL2.5S	B.200
1071800000	Q 10 WDL2.5S	B.201
1071900000	EW 15/2	C.19
1072000000	WAD 4 GE BED	A.219
1072000000	WAD 4 GE BED	A.221
1072000000	WAD 4 GE BED	A.222
1072000000	WAD 4 GE BED	A.224
1072000000	WAD 4 GE BED	A.240
1072000000	WAD 4 GE BED	A.241
1072000000	WAD 4 GE BED	A.243
1072000000	WAD 4 GE BED	A.295
1072000000	WAD 4 GE BED	A.296
1072000000	WAD 4 GE BED	A.297
1072100000	WAD 4 WS	A.219
1072100000	WAD 4 WS	A.221
1072100000	WAD 4 WS	A.222
1072100000	WAD 4 WS	A.224
1072100000	WAD 4 WS	A.240
1072100000	WAD 4 WS	A.241
1072100000	WAD 4 WS	A.243
1072100000	WAD 4 WS	A.295
1072100000	WAD 4 WS	A.296
1072100000	WAD 4 WS	A.297
1072300000	WQV 70/95-PEN	A.257
1072300000	WQV 70/95-PEN	A.325
1072300000	WQV 70/95-PEN	B.11
1072400000	WQV 120-PEN	A.257
1072400000	WQV 120-PEN	A.325
1072400000	WQV 120-PEN	B.12
1072500000	WQV 16N-4/6	A.321
1072660000	WBB WDK2.5/BL5.08	A.299
1072760000	WBB ZA WDK2.5/BL5.08	A.299
1073100000	WQV 16N-2.5	A.321
1073200000	WAD 12N GE BED	A.231
1073200000	WAD 12N GE BED	B.166
1073290000	WAD 12N WS	A.231
1073290000	WAD 12N WS	B.166
1074200000	Q 20 WDL2.5S	A.320
1074200000	Q 20 WDL2.5S	B.198
1074200000	Q 20 WDL2.5S	B.199
1074200000	Q 20 WDL2.5S	B.200
1074200000	Q 20 WDL2.5S	B.201
1074600000	WAP WTR2.5/ZZ	A.281
1079200000	WQV 35N/2	A.233

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1079300000	WQV 35N/3	A.318
1079400000	WQV 35N/4	A.233
1079400000	WQV 35N/4	A.318
1079400000	WQV 35N/4	B.167
1079500000	WQB PEN 35N	A.325
1079600000	WQB PEN 16N	A.325
1079700000	WQB PEN 70N	A.325
1079900000	WSH 4 MT	B.154

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1080100000	WSH 5	B.152
1080200000	WSH 6	B.152
1082400000	BFEH 1/WSH	B.153
1083040000	PDU 6/10/4AN	A.72
1083050000	PSI 6/10	A.84
1083100000	WSH 18 MT	B.153
1083200000	WSH 19 MT	B.153
1083600000	WAD 16N GE BED	A.233
1083600000	WAD 16N GE BED	B.167
1083900000	SMSE WSH U1 MT	B.153
1084000000	WAP WDK2.5/4 N	A.242
1084000000	WAP WDK2.5/4 N	A.243
1084000000	WAP WDK2.5/4 N	A.244
1084000000	WAP WDK2.5/4 N	A.258
1084000000	WAP WDK2.5/4 N	A.259
1084080000	WAP WDK2.5/4 N BL	A.242
1084080000	WAP WDK2.5/4 N BL	A.243
1084080000	WAP WDK2.5/4 N BL	A.244
1084080000	WAP WDK2.5/4 N BL	A.258
1084770000	ZDT 2.5/2 V	A.182
1084780000	PTL 6/10/STB	B.94
1084780000	PTL 6/10/STB	B.95
1084790000	PTD 6/10/STB	B.95

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1107680000	WT4 4AN/2	A.294
1107780000	WAP WT4/4AN/2	A.294
1107790000	WP4/1AN/1	A.292
1107790000	WP4/1AN/1	A.294
1107800000	WP4/1AN/10	A.294
1108490000	WP4/1AN/1 ZA	A.292
1108490000	WP4/1AN/1 ZA	A.294

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1112910000	WAD 5 MC NE WS	A.220
1112910000	WAD 5 MC NE WS	A.221
1112910000	WAD 5 MC NE WS	A.223
1112910000	WAD 5 MC NE WS	B.165
1112920000	WAD 5 MC NE GE	A.220
1112920000	WAD 5 MC NE GE	A.221
1112920000	WAD 5 MC NE GE	A.223
1112920000	WAD 5 MC NE GE	B.165
1112940000	WAD 8 MC NE WS	A.226
1112940000	WAD 8 MC NE WS	A.228
1112940000	WAD 8 MC NE WS	A.244
1112940000	WAD 8 MC NE WS	A.245
1112940000	WAD 8 MC NE WS	A.246
1112940000	WAD 8 MC NE WS	A.247
1112940000	WAD 8 MC NE WS	A.259
1112940000	WAD 8 MC NE WS	B.42
1112950000	WAD 8 MC NE GE	A.226
1112950000	WAD 8 MC NE GE	A.228
1112950000	WAD 8 MC NE GE	A.244
1112950000	WAD 8 MC NE GE	A.245
1112950000	WAD 8 MC NE GE	A.246
1112950000	WAD 8 MC NE GE	A.247
1112950000	WAD 8 MC NE GE	A.259
1112950000	WAD 8 MC NE GE	B.42
1114720000	WDU 4/ZZ BL	A.223
1116710000	PS_ZQV_SET	A.212
1119700000	ZDK 4-2/2AN	A.133
1119790000	WSI 6/2/LD 250AC LLC	A.269
1119800000	WSI 6/2/LD 10-36V LLC	A.269
1119810000	WSI 6/2/LD 30-70V LLC	A.269
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1121740000	PS_ZQV	A.212

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1131740000	ZDLD 2.5-2N PE	A.125
1131750000	ZDLD 2.5-2N/PE/L/L	A.125
1131760000	ZDLD 2.5-2N/PE/L/N	A.125
1137780000	WSI 25/1 10X38/LED 1KV	A.271
1137790000	WSI 25/1 10x38 1KV	A.271
1139570000	PPE 16S	B.173
1139580000	PDU 16S	B.172
1139910000	PAP PDU16S	B.172

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1142980000	WBB WMF2.5 BLZ	B.146
1142990000	AP WMF2.5	B.138
1142990000	AP WMF2.5	B.139
1142990000	AP WMF2.5	B.140
1142990000	AP WMF2.5	B.141
1142990000	AP WMF2.5	B.142
1142990000	AP WMF2.5	B.143
1142990000	AP WMF2.5	B.146
1143000000	WMF 2.5 DI BLZ	B.141
1143010000	WMF 2.5 DI BLZ PE	B.142
1143020000	WMF 2.5 DI	B.138
1143030000	WMF 2.5 DI PE	B.139
1143050000	WMF 2.5 BLZ	B.141
1143070000	WMF 2.5	B.138

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1157820000	KT 14	B.91

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1161690000	WTL 6 SL	B.111
1162600000	WEW 35/1 SW	B.136
1162600000	WEW 35/1 SW	C.13
1162600000	WEW 35/1 SW	C.19
1162610000	ZEW 35/2 SW	B.134
1162610000	ZEW 35/2 SW	B.135
1162610000	ZEW 35/2 SW	B.137
1162610000	ZEW 35/2 SW	B.184
1162610000	ZEW 35/2 SW	B.185
1162610000	ZEW 35/2 SW	C.19
1162820000	WMF 2.5 FU BLZ PE SW	B.143
1162830000	WMF 2.5 FU BLZ PE 10-36V SW	B.143
1162840000	WMF 2.5 FU BLZ PE 30-70V SW	B.143
1162850000	WMF 2.5 FU BLZ PE 60-150V SW	B.143
1162860000	WMF 2.5 FU BLZ PE 100-250V SW	B.143
1162920000	WMF 2.5 FU SW	B.140
1162930000	WMF 2.5 FU 10-36V SW	B.140
1162940000	WMF 2.5 FU 30-70V SW	B.140
1162950000	WMF 2.5 FU 60-150V SW	B.140
1162960000	WMF 2.5 FU 100-250V SW	B.140
1162980000	WMF 2.5 FU BLZ SW	B.143
1162990000	WMF 2.5 FU BLZ 10-36V SW	B.143
1163000000	WMF 2.5 FU BLZ 30-70V SW	B.143
1163010000	WMF 2.5 FU BLZ 60-150V SW	B.143
1163020000	WMF 2.5 FU BLZ 100-250V SW	B.143
1163040000	WMF 2.5 FU PE SW	B.140
1163050000	WMF 2.5 FU PE 10-36V SW	B.140
1163060000	WMF 2.5 FU PE 30-70V SW	B.140
1163070000	WMF 2.5 FU PE 60-150V SW	B.140
1163080000	WMF 2.5 FU PE 100-250V SW	B.140
1165070000	PAP PDU 6/10 4AN	A.72
1165130000	PDU 6/10/4AN BL	A.72
1165140000	PSI 6/10 SW	A.84
1165320000	PAP PTL/PSI 6/10	A.84
1165320000	PAP PTL/PSI 6/10	A.91
1165320000	PAP PTL/PSI 6/10	B.94
1165320000	PAP PTL/PSI 6/10	B.95
1165330000	PAP PTL/PSI 6/10 SW	A.84
1165330000	PAP PTL/PSI 6/10 SW	A.91
1165330000	PAP PTL/PSI 6/10 SW	B.95
1167440000	IL WMF2.5 BLZ OR	B.146
1167630000	FUCR SW	B.138
1167630000	FUCR SW	B.139
1167630000	FUCR SW	B.140
1167630000	FUCR SW	B.141
1167630000	FUCR SW	B.142
1167630000	FUCR SW	B.143
1167640000	FUCR 10-36V SW	B.138
1167640000	FUCR 10-36V SW	B.139
1167640000	FUCR 10-36V SW	B.140
1167640000	FUCR 10-36V SW	B.141
1167640000	FUCR 10-36V SW	B.142
1167640000	FUCR 10-36V SW	B.143
1167640000	FUCR 10-36V SW	B.146
1167680000	FUCR 100-250V SW	B.138
1167680000	FUCR 100-250V SW	B.139
1167680000	FUCR 100-250V SW	B.140
1167680000	FUCR 100-250V SW	B.141
1167680000	FUCR 100-250V SW	B.142
1167680000	FUCR 100-250V SW	B.143
1167850000	KLBUE 4-13.5 CPF16	B.157

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1173540000	BZT PRV16 SW 35X15	B.136
1173550000	BZT PRV16 SW 35X7.5	B.136
1173570000	BZT PRV8 SW 35X15	B.135
1173570000	BZT PRV8 SW 35X15	B.137
1173580000	BZT PRV8 SW 35X7.5	B.135
1173580000	BZT PRV8 SW 35X7.5	B.137
1173590000	BZT PRV4 SW 35X15	B.134
1173590000	BZT PRV4 SW 35X15	B.137

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1173600000	BZT PRV4 SW 35X7.5	B.134
1173600000	BZT PRV4 SW 35X7.5	B.137
1173620000	PRV 16 SW 35X15 RT/WS	B.136
1173630000	TW PRV16	B.136
1173650000	PRV 16 SW 35X15 WS/RT	B.136
1173670000	TW PRV8	B.135
1173670000	TW PRV8	B.137
1173680000	PRV 16 SW 35X7.5 RT/WS	B.136
1173700000	TW PRV4	B.134
1173700000	TW PRV4	B.137
1173710000	PRV 16 SW 35X7.5 WS/RT	B.136
1173720000	PAP PRV/PPV8 SW	B.135
1173720000	PAP PRV/PPV8 SW	B.137
1173720000	PAP PRV/PPV8 SW	B.147
1173740000	PRV 8 SW 35X15 RT/WS	B.135
1173750000	PAP PRV/PPV4 SW	B.134
1173750000	PAP PRV/PPV4 SW	B.137
1173750000	PAP PRV/PPV4 SW	B.147
1173780000	PRV 8 SW 35X15 WS/RT	B.135
1173790000	PRV 8 SW 35X7.5 RT/WS	B.135
1173800000	PRV 8 SW 35X7.5 WS/RT	B.135
1173810000	PRV 4 SW 35X15 RT	B.134
1173820000	PRV 4 SW 35X15 WS	B.134
1173830000	PRV 4 SW 35X7.5 RT	B.134
1173840000	PRV 4 SW 35X7.5 WS	B.134
1173850000	PPV 8 GR 35X15 DGR	B.137
1173870000	PPV 8 GR 35X7.5 DGR	B.137
1173880000	PPV 4 GR 35X15 DGR	B.137
1173890000	PPV 4 GR 35X7.5 DGR	B.137
1173900000	PRV 8 BL 35X15 WS/RT	B.135
1173910000	PRV 8 BL 35X7.5 WS/RT	B.135
1173920000	PRV 4 BL 35X15 WS	B.134
1173930000	PRV 4 BL 35X7.5 WS	B.134

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1186630000	WDU 50N IR	A.234
1186630000	WDU 50N IR	B.6
1186720000	WAP WDK10	A.244
1186720000	WAP WDK10	A.245
1186720000	WAP WDK10	A.246
1186720000	WAP WDK10	A.247
1186720000	WAP WDK10	A.259
1186720000	WAP WDK10	B.42
1186730000	WAP WDK10 BL	A.244
1186730000	WAP WDK10 BL	A.245
1186730000	WAP WDK10 BL	A.246
1186730000	WAP WDK10 BL	A.247
1186730000	WAP WDK10 BL	A.259
1186730000	WAP WDK10 BL	B.42
1186740000	WDK 10	A.244
1186750000	WDK 10 BL	A.244
1186770000	WDK 10 V	A.245
1186780000	WDK 10 V BL	A.245

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1193450000	WTR 4/ZZ BL	A.282

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1208920000	ZVLD 2.5	A.126
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.11
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.12
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.13
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.27
1208970000	WS 7.8/9.2 PLUS MC NE GR	A.28
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.54
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.55
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.56
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.62
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.66
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.134
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.135
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.136
1208970000	WS 7.8/9.2 PLUS MC NE GR	B.137

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1210390000	ZTA ZVLD	A.126
1210390000	ZTA ZVLD	A.211
1210410000	ZAP ZVLD 2.5	A.126
1211450000	PAP PRV/PPV4 GR	B.134
1211450000	PAP PRV/PPV4 GR	B.137
1211450000	PAP PRV/PPV4 GR	B.147
1211460000	PAP PRV/PPV8 GR	B.135
1211460000	PAP PRV/PPV8 GR	B.137
1211460000	PAP PRV/PPV8 GR	B.147
1216230000	HBT 6,0 - 4,6 GE	A.227
1216230000	HBT 6,0 - 4,6 GE	A.229
1216230000	HBT 6,0 - 4,6 GE	B.111
1216230000	HBT 6,0 - 4,6 GE	B.113

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1221340000	PMAK 4	A.76
1221350000	PMAK 4 800V	A.76
1221360000	PAP PMAK 4	A.76
1221360000	PAP PMAK 4	A.90

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1224870000	FUSE 1KV DC 2A 10/38	A.271
1224870000	FUSE 1KV DC 2A 10/38	A.279
1224880000	FUSE 1KV DC 4A 10/38	A.271
1224880000	FUSE 1KV DC 4A 10/38	A.279
1224890000	FUSE 1KV DC 6A 10/38	A.271
1224890000	FUSE 1KV DC 6A 10/38	A.279
1224910000	FUSE 1KV DC 10A 10/38	A.271
1224910000	FUSE 1KV DC 10A 10/38	A.279
1224920000	FUSE 1KV DC 12A 10/38	A.271
1224920000	FUSE 1KV DC 12A 10/38	A.279
1224930000	FUSE 1KV DC 16A 10/38	A.271
1224930000	FUSE 1KV DC 16A 10/38	A.279
1224950000	FUSE 1KV DC 20A 10/38	A.271
1224950000	FUSE 1KV DC 20A 10/38	A.279
1227850000	ZEW 35/2 GR	C.19
1227890000	WEW 35/1 GR	C.13
1227890000	WEW 35/1 GR	C.19

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1230050000	TW PRV4 1-4	B.134
1230050000	TW PRV4 1-4	B.137
1230060000	TW PRV4 0-3	B.134
1230060000	TW PRV4 0-3	B.137
1230070000	TW PRV4 A-D	B.134
1230070000	TW PRV4 A-D	B.137
1230080000	TW PRV8 1-8	B.135
1230080000	TW PRV8 1-8	B.137
1230090000	TW PRV8 0-7	B.135
1230090000	TW PRV8 0-7	B.137
1230110000	TW PRV8 A-H	B.135
1230110000	TW PRV8 A-H	B.137
1230120000	TW PRV16 1-16	B.136
1230130000	TW PRV16 0-15	B.136
1230140000	TW PRV16 A-P	B.136
1231330000	WTR 4/ZZ STB BL	A.282
1231870000	PSI 6/10/LD 10-36V SW	A.84
1231880000	PSI 6/10/LD 10-36V	A.84
1233330000	HBT 2,5 - 4,6 BL	A.227
1233330000	HBT 2,5 - 4,6 BL	A.229
1233330000	HBT 2,5 - 4,6 BL	B.111
1233330000	HBT 2,5 - 4,6 BL	B.113
1233340000	HBT 1,5 - 4,6 RT	A.227
1233340000	HBT 1,5 - 4,6 RT	A.229
1233340000	HBT 1,5 - 4,6 RT	B.111
1233340000	HBT 1,5 - 4,6 RT	B.113
1238040000	ZEW 35 GR	C.19
1238880000	WAP WTL6 SL 4-6	B.111
1238880000	WAP WTL6 SL 4-6	B.113
1238920000	WTD 6 SL O.STB	B.110
1238920000	WTD 6 SL O.STB	B.111
1238930000	WTL 6 SL O.STB	B.110
1238930000	WTL 6 SL O.STB	B.111

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1246990000	SMSE WSH 135/60 MT	B.153
1247290000	WDK 2.5/TR-DU	A.288
1247310000	WDK 2.5/TR-DU STB	A.288
1247420000	WDK 2.5/TR-DU-PE	A.289
1247430000	WDK 2.5/TR-DU-PE STB	A.289

1250000000

1252490000	KLBUE 15-32 FM4	B.156
1252510000	KLBUE 10-20 FM4	B.156
1252520000	KLBUE 4-13.5 FM4	B.156
1252530000	KLBUE 3-8 FM4	B.156
1252540000	KLBUE 15-32 CPF16	B.157
1252550000	KLBUE 10-20 CPF16	B.157
1255010000	GWHUE M3 WTL6	B.94
1255010000	GWHUE M3 WTL6	B.95
1255010000	GWHUE M3 WTL6	B.110
1255010000	GWHUE M3 WTL6	B.111
1255010000	GWHUE M3 WTL6	B.112
1255010000	GWHUE M3 WTL6	B.113

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1265990000	ZSI 2X6/4X2.5	A.168
1267790000	PRV 16 BL 35X15 RT/WS	B.136
1267800000	PRV 16 BL 35X15 WS/RT	B.136
1267810000	PRV 16 BL 35X7.5 RT/WS	B.136
1267820000	PRV 16 BL 35X7.5 WS/RT	B.136
1267830000	PRV 8 BL 35X15 RT/WS	B.135
1267840000	PRV 8 BL 35X7.5 RT/WS	B.135
1267870000	PPV 8 BL 35X15 DGR	B.137
1267880000	PPV 8 BL 35X7.5 DGR	B.137
1267890000	PRV 4 BL 35X15 RT	B.134
1267900000	PRV 4 BL 35X7.5 RT	B.134
1267910000	PPV 4 BL 35X15 DGR	B.137
1267920000	PPV 4 BL 35X7.5 DGR	B.137
1267930000	BZT PRV16 BL 35X15	B.136
1267940000	BZT PRV16 BL 35X7.5	B.136
1267950000	BZT PRV8 BL 35X15	B.135
1267950000	BZT PRV8 BL 35X15	B.137
1267970000	BZT PRV8 BL 35X7.5	B.135
1267970000	BZT PRV8 BL 35X7.5	B.137
1267980000	BZT PRV4 BL 35X15	B.134
1267980000	BZT PRV4 BL 35X15	B.137
1267990000	BZT PRV4 BL 35X7.5	B.134
1267990000	BZT PRV4 BL 35X7.5	B.137
1268000000	PAP PRV/PPV8 BL	B.135
1268000000	PAP PRV/PPV8 BL	B.137
1268010000	PAP PRV/PPV4 BL	B.134
1268010000	PAP PRV/PPV4 BL	B.137
1268010000	PAP PRV/PPV4 BL	B.147
1269050000	EW 35 DB	C.19
1269070000	ZST 1	A.215

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1270040000	WMF 2.5 BL	B.138
1270070000	WMF 2.5 DI BL	B.138
1270080000	WMF 2.5 DI PE BL	B.139
1271870000	ZTA ZVLD/ZA	A.126
1271870000	ZTA ZVLD/ZA	A.211
1274660000	SDIS SL 0.6X3.5X100	A.98
1274660000	SDIS SL 0.6X3.5X100	A.99
1274660000	SDIS SL 0.6X3.5X100	A.100
1274660000	SDIS SL 0.6X3.5X100	A.101
1274660000	SDIS SL 0.6X3.5X100	A.106
1274660000	SDIS SL 0.6X3.5X100	A.107
1274660000	SDIS SL 0.6X3.5X100	A.108
1274660000	SDIS SL 0.6X3.5X100	A.109
1274660000	SDIS SL 0.6X3.5X100	A.114
1274660000	SDIS SL 0.6X3.5X100	A.115
1274660000	SDIS SL 0.6X3.5X100	A.116
1274660000	SDIS SL 0.6X3.5X100	A.118
1274660000	SDIS SL 0.6X3.5X100	A.119
1274660000	SDIS SL 0.6X3.5X100	A.122
1274660000	SDIS SL 0.6X3.5X100	A.123
1274660000	SDIS SL 0.6X3.5X100	A.124
1274660000	SDIS SL 0.6X3.5X100	A.125
1274660000	SDIS SL 0.6X3.5X100	A.127
1274660000	SDIS SL 0.6X3.5X100	A.128
1274660000	SDIS SL 0.6X3.5X100	A.130
1274660000	SDIS SL 0.6X3.5X100	A.131
1274660000	SDIS SL 0.6X3.5X100	A.132
1274660000	SDIS SL 0.6X3.5X100	A.133
1274660000	SDIS SL 0.6X3.5X100	A.134
1274660000	SDIS SL 0.6X3.5X100	A.135
1274660000	SDIS SL 0.6X3.5X100	A.136
1274660000	SDIS SL 0.6X3.5X100	A.137
1274660000	SDIS SL 0.6X3.5X100	A.138
1274660000	SDIS SL 0.6X3.5X100	A.139
1274660000	SDIS SL 0.6X3.5X100	A.140
1274660000	SDIS SL 0.6X3.5X100	A.144
1274660000	SDIS SL 0.6X3.5X100	A.145
1274660000	SDIS SL 0.6X3.5X100	A.146
1274660000	SDIS SL 0.6X3.5X100	A.148
1274660000	SDIS SL 0.6X3.5X100	A.149
1274660000	SDIS SL 0.6X3.5X100	A.150
1274660000	SDIS SL 0.6X3.5X100	A.151
1274660000	SDIS SL 0.6X3.5X100	A.152
1274660000	SDIS SL 0.6X3.5X100	A.154
1274660000	SDIS SL 0.6X3.5X100	A.155
1274660000	SDIS SL 0.6X3.5X100	A.156
1274660000	SDIS SL 0.6X3.5X100	A.157
1274660000	SDIS SL 0.6X3.5X100	A.158
1274660000	SDIS SL 0.6X3.5X100	A.160
1274660000	SDIS SL 0.6X3.5X100	A.162
1274660000	SDIS SL 0.6X3.5X100	A.170
1274660000	SDIS SL 0.6X3.5X100	A.171
1274660000	SDIS SL 0.6X3.5X100	A.172
1274660000	SDIS SL 0.6X3.5X100	A.176
1274660000	SDIS SL 0.6X3.5X100	A.177
1274660000	SDIS SL 0.6X3.5X100	A.178
1274660000	SDIS SL 0.6X3.5X100	A.179
1274660000	SDIS SL 0.6X3.5X100	A.180
1274660000	SDIS SL 0.6X3.5X100	A.181
1274660000	SDIS SL 0.6X3.5X100	A.182
1274660000	SDIS SL 0.6X3.5X100	A.183
1274660000	SDIS SL 0.6X3.5X100	A.184
1274660000	SDIS SL 0.6X3.5X100	A.185
1274660000	SDIS SL 0.6X3.5X100	A.188
1274660000	SDIS SL 0.6X3.5X100	A.189
1274660000	SDIS SL 0.6X3.5X100	A.190
1274660000	SDIS SL 0.6X3.5X100	A.196
1274660000	SDIS SL 0.6X3.5X100	A.197
1274660000	SDIS SL 0.6X3.5X100	A.198
1274660000	SDIS SL 0.6X3.5X100	A.199
1274660000	SDIS SL 0.6X3.5X100	A.200
1274660000	SDIS SL 0.6X3.5X100	A.201
1274660000	SDIS SL 0.6X3.5X100	A.202
1274660000	SDIS SL 0.6X3.5X100	A.203
1274660000	SDIS SL 0.6X3.5X100	B.45
1274660000	SDIS SL 0.6X3.5X100	B.126
1274660000	SDIS SL 0.6X3.5X100	B.127
1274660000	SDIS SL 0.6X3.5X100	B.134
1274660000	SDIS SL 0.6X3.5X100	B.135
1274660000	SDIS SL 0.6X3.5X100	B.136
1274660000	SDIS SL 0.6X3.5X100	B.137
1274660000	SDIS SL 0.6X3.5X100	B.186
1274660000	SDIS SL 0.6X3.5X100	B.188
1274660000	SDIS SL 0.6X3.5X100	B.189
1274660000	SDIS SL 0.6X3.5X100	B.192
1274670000	SDIS SL 0.8X4.0X100	A.105
1274670000	SDIS SL 0.8X4.0X100	A.117
1274670000	SDIS SL 0.8X4.0X100	A.147
1274670000	SDIS SL 0.8X4.0X100	A.164
1274670000	SDIS SL 0.8X4.0X100	A.165
1274670000	SDIS SL 0.8X4.0X100	A.166
1274670000	SDIS SL 0.8X4.0X100	B.187
1274670000	SDIS SL 0.8X4.0X100	B.191
1274680000	SDIS SL 1.0X5.5X125	A.73
1274680000	SDIS SL 1.0X5.5X125	A.81
1274680000	SDIS SL 1.0X5.5X125	A.109
1274680000	SDIS SL 1.0X5.5X125	A.110
1274680000	SDIS SL 1.0X5.5X125	A.111
1274680000	SDIS SL 1.0X5.5X125	A.112
1274680000	SDIS SL 1.0X5.5X125	A.117
1274680000	SDIS SL 1.0X5.5X125	A.141
1274680000	SDIS SL 1.0X5.5X125	A.142
1274680000	SDIS SL 1.0X5.5X125	A.143
1274680000	SDIS SL 1.0X5.5X125	A.147
1274680000	SDIS SL 1.0X5.5X125	B.172
1274680000	SDIS SL 1.0X5.5X125	B.173
1274680000	SDIS SL 1.0X5.5X125	B.175
1274680000	SDIS SL 1.0X5.5X125	B.186
1274680000	SDIS SL 1.0X5.5X125	B.187
1274680000	SDIS SL 1.0X5.5X125	B.189
1274680000	SDIS SL 1.0X5.5X125	B.191
1274680000	SDIS SL 1.0X5.5X125	B.192
1274680000	SDIS SL 1.0X5.5X125	B.193
1278730000	ETA 1170 21 3A	A.167
1278740000	ETA 1170 21 4A	A.167
1278750000	ETA 1170 21 5A	A.167
1278760000	ETA 1170 21 6A	A.167
1278770000	ETA 1170 21 7.5A	A.167
1278780000	ETA 1170 21 8A	A.167
1278790000	ETA 1170 21 10A	A.167
1278810000	ETA 1170 21 15A	A.167
1278820000	ETA 1170 21 20A	A.167
1278830000	ETA 1170 21 25A	A.167
1278840000	ETA 1180 01 0.1A	A.168
1278850000	ETA 1180 01 0.2A	A.168
1278860000	ETA 1180 01 0.25A	A.168
1278870000	ETA 1180 01 0.3A	A.168
1278880000	ETA 1180 01 0.4A	A.168
1278910000	ETA 1180 01 0.5A	A.168
1278920000	ETA 1180 01 0.6A	A.168
1278930000	ETA 1180 01 0.7A	A.168
1278940000	ETA 1180 01 0.8A	A.168
1278950000	ETA 1180 01 1A	A.168
1278960000	ETA 1180 01 1.5A	A.168
1278970000	ETA 1180 01 2A	A.168
1278980000	ETA 1180 01 2.5A	A.168
1278990000	ETA 1180 01 3A	A.168
1279010000	ETA 1180 01 3.5A	A.168
1279020000	ETA 1180 01 4A	A.168
1279030000	ETA 1180 01 5A	A.168
1279040000	ETA 1180 01 6A	A.168
1279050000	ETA 1180 01 7A	A.168
1279060000	ETA 1180 01 8A	A.168
1279070000	ETA 1180 01 10A	A.168

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1283470000	TS END CAP 35X7.5	C.18
1283480000	TS END CAP 35X15	C.18
1286600000	TST 2/M5	C.20
1289660001	DEK 8 FSZ 1-10	A.105
1289660001	DEK 8 FSZ 1-10	A.117

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1295550000	ZT 2.5/2AN/1 BL	A.176
1298020000	WDTR 2.5 O.STB	A.287

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1301610000	PPV 4 OR 35X15 DGR	B.137
1301620000	PPV 8 OR 35X15 DGR	B.137
1301630000	PPV 4 OR 35X7.5 DGR	B.137
1301640000	PPV 8 OR 35X7.5 DGR	B.137
1303360000	AKE 2.5	A.249
1304720000	ZT 2.5/3AN/1 BL	A.176
1305230000	AH WDT 2.5 BT	A.290
1305240000	WAP WDT 2.5 BT	A.290
1305250000	WAP WDT 2.5 AT	A.290
1305250000	WAP WDT 2.5 AT	A.291
1305260000	WAP WDT 2.5/2	A.291
1305270000	WP 2.5/1AN/1	A.290
1305270000	WP 2.5/1AN/1	A.291
1305270000	WP 2.5/1AN/1	A.292
1305280000	WP 2.5/1AN/10	A.290
1305280000	WP 2.5/1AN/10	A.291
1305290000	WDT 2.5/2	A.291
1305300000	WDT 2.5/2 V	A.291
1305310000	WDT 2.5 BT	A.290
1305320000	WDT 2.5 AT	A.290
1305320000	WDT 2.5 AT	A.291
1305330000	WT 2.5	A.290

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1312440000	HBT 1,5 - 3,0 RT	A.225
1312440000	HBT 1,5 - 3,0 RT	A.275
1312440000	HBT 1,5 - 3,0 RT	A.283
1312440000	HBT 1,5 - 3,0 RT	A.284
1312440000	HBT 1,5 - 3,0 RT	A.285
1312450000	HBT 2,5 - 3,0 BL	A.225
1312450000	HBT 2,5 - 3,0 BL	A.275
1312450000	HBT 2,5 - 3,0 BL	A.283
1312450000	HBT 2,5 - 3,0 BL	A.284
1312450000	HBT 2,5 - 3,0 BL	A.285
1312500000	Q 2 DLI	A.320
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1312500000	Q 2 DLI	B.129
1312500000	Q 2 DLI	B.130
1312500000	Q 2 DLI	B.131
1312600000	Q 3 DLI	A.320
1312600000	Q 3 DLI	B.128
1312600000	Q 3 DLI	B.129
1312600000	Q 3 DLI	B.130
1312600000	Q 3 DLI	B.131
1312700000	Q 4 DLI	A.320
1312700000	Q 4 DLI	B.128
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1312700000	Q 4 DLI	B.130
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1312830000	ZT 4/2AN/1 BL	A.178
1313100000	Q 10 DLI	A.320
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1319260000	QVS 2/4 SAKT4	B.98
1319900000	BFSC M3X22 SAKT4	B.98

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1345280000	WTL 6/1/TNSC/EN	B.107
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1348970000	ZDT 2.5/2 BL	A.182

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1351000000	WP 2.5/1AN/1 ZA O.RA	A.292
1356790000	ZP 4/1AN ZA BL	A.192

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1393380000	WDU 10 IR	A.228
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1393420000	WDU 70N/35 IR	A.235
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1399800000	Q 20 DLI	A.320

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1460600000	GZ 2.0A/F	A.261
1460600000	GZ 2.0A/F	A.278
1460610000	GZ 3.0A/F	A.169
1460610000	GZ 3.0A/F	A.278
1460620000	GZ 5.0A/F	A.169
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1528140000	ZQV 4N/5 BL	A.314
1528140000	ZQV 4N/5 BL	B.91
1528170000	ZQV 4N/6 BL	A.62
1528170000	ZQV 4N/6 BL	A.314
1528170000	ZQV 4N/6 BL	B.91
1528180000	ZQV 4N/7 BL	A.62
1528180000	ZQV 4N/7 BL	A.314
1528180000	ZQV 4N/7 BL	B.91
1528190000	ZQV 4N/8 BL	A.62
1528190000	ZQV 4N/8 BL	A.314
1528190000	ZQV 4N/8 BL	B.91
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1528220000	ZQV 4N/9 BL	A.314
1528220000	ZQV 4N/9 BL	B.91
1528230000	ZQV 4N/10 BL	A.62
1528230000	ZQV 4N/10 BL	A.314
1528230000	ZQV 4N/10 BL	B.62
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1528240000	ZQV 4N/50 BL	B.91

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1547500000	JB 25-50	B.164
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1547620000	A2T 2.5 BL	A.16
1547640000	A2T 2.5 FT-PE	A.17
1547650000	A2T 2.5 VL	A.16
1547660000	A2T 2.5 VL BL	A.16
1547680000	A2T 2.5 PE	A.29
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1547700000	AEP 2T 2.5 BL	A.16
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1552720000	A4C 1.5 OR	A.66
1552740000	A3C 1.5	A.6
1552740000	A3C 1.5	A.66
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1609040000	ZTA 1	A.170
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1609801044	DEK 5/5 MC NE WS	A.79
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1609801044	DEK 5/5 MC NE WS	A.87
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1609801044	DEK 5/5 MC NE WS	A.127
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1609801044	DEK 5/5 MC NE WS	A.129
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1609801044	DEK 5/5 MC NE WS	A.305
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1609801044	DEK 5/5 MC NE WS	B.142
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1609801044	DEK 5/5 MC NE WS	B.167
1609801044	DEK 5/5 MC NE WS	B.168
1609801044	DEK 5/5 MC NE WS	B.174
1609801044	DEK 5/5 MC NE WS	B.176
1609801044	DEK 5/5 MC NE WS	B.177
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1609801044	DEK 5/5 MC NE WS	B.201
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1609810000	DEK 5/5 MC SDR	A.115
1609810000	DEK 5/5 MC SDR	A.144
1609820000	DEK 5/6 MC NE WS	A.108
1609820000	DEK 5/6 MC NE WS	A.109
1609820000	DEK 5/6 MC NE WS	A.115
1609820000	DEK 5/6 MC NE WS	A.116
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1609820000	DEK 5/6 MC NE WS	A.132
1609820000	DEK 5/6 MC NE WS	A.133
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1609820000	DEK 5/6 MC NE WS	A.140
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1609820000	DEK 5/6 MC NE WS	B.190
1609820000	DEK 5/6 MC NE WS	B.193
1609840000	DEK 5/6.5 MC NE WS	A.250
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1609840000	DEK 5/6.5 MC NE WS	A.287
1609860000	WS 12/5 MC NE WS	A.110
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1609860000	WS 12/5 MC NE WS	A.231
1609860000	WS 12/5 MC NE WS	A.232
1609860000	WS 12/5 MC NE WS	A.235
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1609860000	WS 12/5 MC NE WS	A.334
1609860000	WS 12/5 MC NE WS	B.7
1609860000	WS 12/5 MC NE WS	B.45
1609860000	WS 12/5 MC NE WS	B.126
1609860000	WS 12/5 MC NE WS	B.165
1609860000	WS 12/5 MC NE WS	B.193
1609860000	WS 12/5 MC NE WS	B.194
1609860000	WS 12/5 MC NE WS	B.195
1609860000	WS 12/5 MC NE WS	B.196
1609870000	WS 12/5 MC SDR	A.298
1609880000	WS 15/5 MC NE WS	A.111
1609880000	WS 15/5 MC NE WS	A.112
1609880000	WS 15/5 MC NE WS	A.143
1609880000	WS 15/5 MC NE WS	A.330
1609880000	WS 15/5 MC NE WS	A.331
1609880000	WS 15/5 MC NE WS	A.332
1609880000	WS 15/5 MC NE WS	A.333
1609880000	WS 15/5 MC NE WS	B.8
1609880000	WS 15/5 MC NE WS	B.192
1609900000	WS 12/6 MC NE WS	A.105
1609900000	WS 12/6 MC NE WS	A.108
1609900000	WS 12/6 MC NE WS	A.109
1609900000	WS 12/6 MC NE WS	A.115
1609900000	WS 12/6 MC NE WS	A.116
1609900000	WS 12/6 MC NE WS	A.139
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1609900000	WS 12/6 MC NE WS	A.141
1609900000	WS 12/6 MC NE WS	A.142
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1609900000	WS 12/6 MC NE WS	A.146
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1609900000	WS 12/6 MC NE WS	B.163
1609900000	WS 12/6 MC NE WS	B.165
1609920000	WS 12/6.5 MC NE WS	A.226
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1609920000	WS 12/6.5 MC NE WS	A.269
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1609920000	WS 12/6.5 MC NE WS	A.337
1609920000	WS 12/6.5 MC NE WS	A.338
1609920000	WS 12/6.5 MC NE WS	A.339
1609920000	WS 12/6.5 MC NE WS	B.6
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1609920000	WS 12/6.5 MC NE WS	B.97
1609920000	WS 12/6.5 MC NE WS	B.101
1609920000	WS 12/6.5 MC NE WS	B.102
1609920000	WS 12/6.5 MC NE WS	B.111
1609920000	WS 12/6.5 MC NE WS	B.113
1609920000	WS 12/6.5 MC NE WS	B.166
1609920000	WS 12/6.5 MC NE WS	B.167
1609920000	WS 12/6.5 MC NE WS	B.168

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1610840000	ZAP TNHE/ZSI2.5	A.155
1610840000	ZAP TNHE/ZSI2.5	A.156
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1614290000	ZRH 2.5/2 GR/V0	A.196
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1614290000	ZRH 2.5/2 GR/V0	A.213
1614300000	ZRH 2.5/1 WS	A.106
1614300000	ZRH 2.5/1 WS	A.107
1614300000	ZRH 2.5/1 WS	A.138
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1627850000	ZQV 6/2 GE	A.171
1627850000	ZQV 6/2 GE	A.209
1627850000	ZQV 6/2 GE	B.97
1627850000	ZQV 6/2 GE	B.184
1627850000	ZQV 6/2 GE	B.185
1627850000	ZQV 6/2 GE	B.187
1627850000	ZQV 6/2 GE	B.191
1627860000	ZQV 6/3 GE	A.209
1627860000	ZQV 6/3 GE	B.97
1627860000	ZQV 6/3 GE	B.184
1627860000	ZQV 6/3 GE	B.185
1627860000	ZQV 6/3 GE	B.187
1627860000	ZQV 6/3 GE	B.191
1627870000	ZQV 6/4 GE	A.109
1627870000	ZQV 6/4 GE	A.111
1627870000	ZQV 6/4 GE	A.117
1627870000	ZQV 6/4 GE	A.154
1627870000	ZQV 6/4 GE	A.155
1627870000	ZQV 6/4 GE	A.156
1627870000	ZQV 6/4 GE	A.166
1627870000	ZQV 6/4 GE	A.171
1627870000	ZQV 6/4 GE	A.209
1627870000	ZQV 6/4 GE	B.97
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1632300000	WTA 1/ZA WDU1.5	A.221
1632300000	WTA 1/ZA WDU1.5	A.222
1632300000	WTA 1/ZA WDU1.5	A.224
1632300000	WTA 1/ZA WDU1.5	A.322
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1632320000	WTA 2 WDU2.5-10	A.220
1632320000	WTA 2 WDU2.5-10	A.221
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1632320000	WTA 2 WDU2.5-10	A.322
1632320000	WTA 2 WDU2.5-10	B.165
1632320000	WTA 2 WDU2.5-10	B.166
1632330000	WTA 2/ZA WDU2.5-10	A.219
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1632330000	WTA 2/ZA WDU2.5-10	A.221

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1632350000	WTA 3 WDU4	A.223
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1632360000	WTA 3/ZA WDU4	A.223
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1633200000	ZQS 2.5/2	A.157
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1633200000	ZQS 2.5/2	A.209
1633210000	ZQS 2.5/3	A.209
1633220000	ZQS 2.5/4	A.157
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1633220000	ZQS 2.5/4	A.209
1633230000	ZQS 2.5/5	A.209
1633280000	VQB 1.5/50 BL	A.247
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1635000000	WS 10/5 MC NE WS	A.70
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1635000000	WS 10/5 MC NE WS	A.79
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1635000000	WS 10/5 MC NE WS	A.87
1635000000	WS 10/5 MC NE WS	A.88
1635000000	WS 10/5 MC NE WS	A.100
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1635000000	WS 10/5 MC NE WS	A.106
1635000000	WS 10/5 MC NE WS	A.107
1635000000	WS 10/5 MC NE WS	A.128
1635000000	WS 10/5 MC NE WS	A.129
1635000000	WS 10/5 MC NE WS	A.130
1635000000	WS 10/5 MC NE WS	A.134
1635000000	WS 10/5 MC NE WS	A.135
1635000000	WS 10/5 MC NE WS	A.136
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1635000000	WS 10/5 MC NE WS	A.170
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1635000000	WS 10/5 MC NE WS	A.179
1635000000	WS 10/5 MC NE WS	A.180
1635000000	WS 10/5 MC NE WS	A.184
1635000000	WS 10/5 MC NE WS	A.188
1635000000	WS 10/5 MC NE WS	A.189
1635000000	WS 10/5 MC NE WS	A.196
1635000000	WS 10/5 MC NE WS	A.197
1635000000	WS 10/5 MC NE WS	A.199
1635000000	WS 10/5 MC NE WS	A.200
1635000000	WS 10/5 MC NE WS	A.201
1635000000	WS 10/5 MC NE WS	A.202
1635000000	WS 10/5 MC NE WS	A.290
1635000000	WS 10/5 MC NE WS	A.291
1635000000	WS 10/5 MC NE WS	B.139
1635000000	WS 10/5 MC NE WS	B.140
1635000000	WS 10/5 MC NE WS	B.141
1635000000	WS 10/5 MC NE WS	B.142
1635000000	WS 10/5 MC NE WS	B.143
1635000000	WS 10/5 MC NE WS	B.174
1635000000	WS 10/5 MC NE WS	B.176
1635000000	WS 10/5 MC NE WS	B.177
1635000000	WS 10/5 MC NE WS	B.186
1635000000	WS 10/5 MC NE WS	B.188
1635000000	WS 10/5 MC NE WS	B.189
1635000000	WS 10/5 MC NE WS	B.190
1635120000	VQB 1.5/50 SW	A.247
1635120000	VQB 1.5/50 SW	B.43
1636560000	WQV 16N/2	A.231
1636560000	WQV 16N/2	A.319
1636560000	WQV 16N/2	B.166
1636570000	WQV 16N/3	A.319
1636580000	WQV 16N/4	A.231
1636580000	WQV 16N/4	A.319
1636580000	WQV 16N/4	B.166
1636640000	ZRH 4/1 WS	A.108
1636640000	ZRH 4/1 WS	A.109
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1636640000	ZRH 4/1 WS	A.140
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1640740000	WS 8/5 MC NE WS	A.242
1640740000	WS 8/5 MC NE WS	A.243
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1640740000	WS 8/5 MC NE WS	A.287
1640740000	WS 8/5 MC NE WS	A.288
1640740000	WS 8/5 MC NE WS	A.289
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1640740000	WS 8/5 MC NE WS	A.305
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1640740000	WS 8/5 MC NE WS	B.200
1640740000	WS 8/5 MC NE WS	B.201
1646690000	ZZA 2.5	A.213
1649300000	ZVL 1.5	B.127
1649350000	ZZA 2.5/ZA	A.213
1649540000	ZAP/TW ZIA1.5/3L	B.126
1649550000	ZAP/TW ZIA1.5/4L	B.127

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1650210000	WTA 7 WSI6	A.322
1650340000	ZDU 2.5/2X2AN/D+	A.197
1650350000	ZDU 2.5/2X2AN/D-	A.197
1650360000	ZVL 1.5 BL	B.127
1650370000	ZVL 1.5 BR	B.127
1651970000	ZVL 1.5/PE GN/GE BED	B.127
1651980000	ZIA 1.5/3L-1S	B.126
1651990000	ZIA 1.5/3L-1S/LD-RT	B.126
1652000000	ZIA 1.5/3L-PE	B.126
1652010000	ZIA 1.5/4L-1S	B.127
1652020000	ZIA 1.5/4L-1S/LD	B.127
1652030000	ZIA 1.5/4L-PE	B.127
1654050000	ZTA 3 ZDU6	A.105
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1670360000	QVSK 2 SAKT1	B.108
1674300000	ZDK 2.5	A.122
1674650000	ZAP/TW ZPV1.5	B.126
1674730000	ZAP/TW ZDK2.5	A.122
1674730000	ZAP/TW ZDK2.5	A.123
1674730000	ZAP/TW ZDK2.5	A.150
1674730000	ZAP/TW ZDK2.5	A.199
1674730000	ZAP/TW ZDK2.5	A.200
1674730000	ZAP/TW ZDK2.5	A.201
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1675350000	KLBUE 2X2-6	B.150
1676610000	BZT ZVL1.5	B.127
1676620000	BZT ZVL1.5/0.ZA	B.127
1676630000	ZPV 1.5	B.126
1677120000	ZQB 2.5-2	A.98
1677120000	ZQB 2.5-2	A.99
1677120000	ZQB 2.5-2	A.100
1677120000	ZQB 2.5-2	A.115
1677120000	ZQB 2.5-2	A.208
1678630000	ZDK 2.5 BL	A.122
1678680000	ZST	A.215
1678800000	ZRH 1.5H/2	A.114
1678800000	ZRH 1.5H/2	A.115
1678800000	ZRH 1.5H/2	A.118
1678800000	ZRH 1.5H/2	A.119
1678800000	ZRH 1.5H/2	A.122
1678800000	ZRH 1.5H/2	A.123
1678800000	ZRH 1.5H/2	A.124
1678800000	ZRH 1.5H/2	A.125
1678800000	ZRH 1.5H/2	A.127
1678800000	ZRH 1.5H/2	A.128
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1678800000	ZRH 1.5H/2	A.130
1678800000	ZRH 1.5H/2	A.134
1678800000	ZRH 1.5H/2	A.135
1678800000	ZRH 1.5H/2	A.144
1678800000	ZRH 1.5H/2	A.145
1678800000	ZRH 1.5H/2	A.148
1678800000	ZRH 1.5H/2	A.149
1678800000	ZRH 1.5H/2	A.150
1678800000	ZRH 1.5H/2	A.151
1678800000	ZRH 1.5H/2	A.152
1678800000	ZRH 1.5H/2	A.198
1678800000	ZRH 1.5H/2	A.199
1678800000	ZRH 1.5H/2	A.200
1678800000	ZRH 1.5H/2	A.201
1678800000	ZRH 1.5H/2	A.202
1678800000	ZRH 1.5H/2	A.203
1678800000	ZRH 1.5H/2	A.213
1678800000	ZRH 1.5H/2	B.45
1678810000	ZRH 1.5H/1	A.114
1678810000	ZRH 1.5H/1	A.115
1678810000	ZRH 1.5H/1	A.118
1678810000	ZRH 1.5H/1	A.119
1678810000	ZRH 1.5H/1	A.122
1678810000	ZRH 1.5H/1	A.123
1678810000	ZRH 1.5H/1	A.124
1678810000	ZRH 1.5H/1	A.125
1678810000	ZRH 1.5H/1	A.127
1678810000	ZRH 1.5H/1	A.128
1678810000	ZRH 1.5H/1	A.129
1678810000	ZRH 1.5H/1	A.130
1678810000	ZRH 1.5H/1	A.134
1678810000	ZRH 1.5H/1	A.135
1678810000	ZRH 1.5H/1	A.144
1678810000	ZRH 1.5H/1	A.145
1678810000	ZRH 1.5H/1	A.148
1678810000	ZRH 1.5H/1	A.149
1678810000	ZRH 1.5H/1	A.150
1678810000	ZRH 1.5H/1	A.151
1678810000	ZRH 1.5H/1	A.152
1678810000	ZRH 1.5H/1	A.198
1678810000	ZRH 1.5H/1	A.199
1678810000	ZRH 1.5H/1	A.200
1678810000	ZRH 1.5H/1	A.201
1678810000	ZRH 1.5H/1	A.202
1678810000	ZRH 1.5H/1	A.203
1678810000	ZRH 1.5H/1	A.213
1678810000	ZRH 1.5H/1	B.45

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1688110000	ZTA 4	A.115
1688110000	ZTA 4	A.124
1688110000	ZTA 4	A.125
1688110000	ZTA 4	A.128
1688110000	ZTA 4	A.130
1688110000	ZTA 4	A.144
1688110000	ZTA 4	A.145
1688110000	ZTA 4	A.150
1688110000	ZTA 4	A.151
1688110000	ZTA 4	A.199
1688110000	ZTA 4	A.203
1688110000	ZTA 4	A.211
1689960000	ZDK 2.5N-DU	A.123
1689970000	ZDK 2.5DU-PE	A.123
1689980000	ZDK 2.5N-PE	A.123
1689990000	ZDK 2.5V	A.122

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1690000000	ZDK 2.5PE	A.150
1690010000	ZDK 2.5/LD RT/1	A.199
1690020000	ZDK 2.5/D/1	A.200
1690030000	ZDK 2.5/D/2	A.201
1690040000	ZDK 2.5/D/4	A.201
1690050000	ZDK 2.5/D/5	A.201
1690060000	ZDK 2.5/D/6	A.202
1692261001	KLBUE 3-8 SC	B.155
1692590000	ZDU 2.5/2X2AN/LD+	A.196
1692600000	ZDU 2.5/2X2AN/LD-	A.196
1693800000	ZQV 2.5N/2 GE	A.101
1693800000	ZQV 2.5N/2 GE	A.172
1693800000	ZQV 2.5N/2 GE	A.176
1693800000	ZQV 2.5N/2 GE	A.177
1693800000	ZQV 2.5N/2 GE	A.182
1693800000	ZQV 2.5N/2 GE	A.183
1693800000	ZQV 2.5N/2 GE	A.185
1693800000	ZQV 2.5N/2 GE	A.189
1693800000	ZQV 2.5N/2 GE	A.208
1693800000	ZQV 2.5N/2 GE	A.281
1693800000	ZQV 2.5N/2 GE	B.138
1693800000	ZQV 2.5N/2 GE	B.139
1693800000	ZQV 2.5N/2 GE	B.140
1693800000	ZQV 2.5N/2 GE	B.141
1693800000	ZQV 2.5N/2 GE	B.142
1693800000	ZQV 2.5N/2 GE	B.143
1693810000	ZQV 2.5N/3 GE	A.208
1693820000	ZQV 2.5N/4 GE	A.208
1693830000	ZQV 2.5N/5 GE	A.208
1693840000	ZQV 2.5N/6 GE	A.208
1693850000	ZQV 2.5N/7 GE	A.208
1693860000	ZQV 2.5N/8 GE	A.208
1693870000	ZQV 2.5N/9 GE	A.208
1693880000	ZQV 2.5N/10 GE	A.101
1693880000	ZQV 2.5N/10 GE	A.172
1693880000	ZQV 2.5N/10 GE	A.176
1693880000	ZQV 2.5N/10 GE	A.177
1693880000	ZQV 2.5N/10 GE	A.182
1693880000	ZQV 2.5N/10 GE	A.183
1693880000	ZQV 2.5N/10 GE	A.185
1693880000	ZQV 2.5N/10 GE	A.189
1693880000	ZQV 2.5N/10 GE	A.208
1693880000	ZQV 2.5N/10 GE	A.281
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1693880000	ZQV 2.5N/10 GE	B.142
1693880000	ZQV 2.5N/10 GE	B.143
1693940000	ZDK 2.5/LD RT/2	A.200
1694140000	ZDK 2.5 OR	A.199
1697540000	ZQV 2.5/50	B.126
1697540000	ZQV 2.5/50	B.127
1698160000	ZRV 1.5	A.186
1698170000	ZRV 1.5/PE	A.186
1698180000	AP ZRV1.5 DB	A.186
1698190000	STGH 4 ZRV1.5	A.186
1698200000	STGH 4 ZRV1.5/PE GN	A.186

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1704350000	ZDUB 2.5-2/2AN/DM	A.99
1704360000	ZDUB 2.5-2/2AN/DM BL	A.99
1704370000	ZDUB 2.5-2/2AN/DM OR	A.99
1704380000	ZDUB 2.5-2/2AN/DM GE	A.99
1704500000	ZDUB 2.5-2/2AN/DB	A.99
1704510000	ZDUB 2.5-2/2AN/DB BL	A.99
1704530000	ZDUB 2.5-2/2AN/DB GE	A.99
1704540000	ZDUB 2.5-2/4AN/DM	A.99
1704550000	ZDUB 2.5-2/4AN/DM BL	A.99
1704560000	ZDUB 2.5-2/4AN/DM OR	A.99
1704570000	ZDUB 2.5-2/4AN/DM GE	A.99
1704690000	ZDUB 2.5-2/4AN/DB	A.99
1704700000	ZDUB 2.5-2/4AN/DB BL	A.99
1704720000	ZDUB 2.5-2/4AN/DB GE	A.99
1704740000	ZBB ZDUB	A.99
1704750000	ZAP ZDUB	A.98
1704750000	ZAP ZDUB	A.99
1704750000	ZAP ZDUB	A.100
1704750000	ZAP ZDUB	A.137
1704760000	ZAP ZDUB BL	A.98
1704760000	ZAP ZDUB BL	A.99
1704760000	ZAP ZDUB BL	A.100
1704770000	ZAP ZDUB OR	A.98
1704770000	ZAP ZDUB OR	A.99
1704770000	ZAP ZDUB OR	A.100
1705310000	DFFC 0.2-0.35 ZRV1.5	A.186
1705320000	DFFC .5-1.0 ZRV1.5	A.186
1706010000	ZDU 2.5-2/3AN	A.114
1706040000	ZDU 2.5-2/3AN BL	A.114
1706060000	ZDU 2.5-2/4AN	A.115
1706070000	ZDU 2.5-2/4AN BL	A.115
1706090000	ZPE 2.5-2/3AN	A.144
1706100000	ZPE 2.5-2/4AN	A.145
1706110000	ZAP/TW7	A.114
1706110000	ZAP/TW7	A.115
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1706110000	ZAP/TW7	A.145
1706110000	ZAP/TW7	A.171
1706110000	ZAP/TW7	A.198
1706110000	ZAP/TW7	A.199
1706120000	ZAP/TW7 BL	A.114
1706120000	ZAP/TW7 BL	A.115

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1711930000	ZVL 1.5 0.0V	B.127
1712311001	KLBUE 4-13.5 SC	B.155
1712321001	KLBUE 10-20 SC	B.155
1712750000	ZDUB 2.5-2/2AN/15	A.100
1712760000	ZDUB 2.5-2/2AN/15 BL	A.100
1712770000	ZDUB 2.5-2/2AN/15 OR	A.100
1712780000	ZDUB 2.5-2/4AN/15	A.100
1712790000	ZDUB 2.5-2/4AN/15 BL	A.100
1712800000	ZDUB 2.5-2/4AN/15 OR	A.100
1712810000	ZPEB 2.5-2	A.137
1712820000	ZDUB 2.5-2/2AN/RC	A.98
1712830000	ZDUB 2.5-2/2AN/RC BL	A.98
1712970000	ZDUB 2.5-2/4AN/RC	A.98
1712980000	ZDUB 2.5-2/4AN/RC BL	A.98
1713000000	ZDUB 2.5-2/4AN/RC GE	A.98
1715970000	WSH 3/H/N	B.152
1716300000	KLBUE 15-32	B.150
1717740000	WPE 35N	A.255
1718341001	KLBUE 15-32 SC	B.155
1718550000	WNT 35N 10X3	B.196

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1720700000	ZVQ 2.5/1.5	A.20
1720700000	ZVQ 2.5/1.5	A.124
1720700000	ZVQ 2.5/1.5	A.125
1720700000	ZVQ 2.5/1.5	A.126
1720700000	ZVQ 2.5/1.5	A.209
1720700000	ZVQ 2.5/1.5	A.291
1720700000	ZVQ 2.5/1.5	B.44
1720920000	ZDUA 2.5-2	A.101
1720930000	ZDUA 2.5-2 BL	A.101
1720940000	ZDUA 2.5-2 OR	A.101
1720950000	ZPEA 2.5-2	A.136
1720960000	ZAP/TW ZDUA	A.101
1720960000	ZAP/TW ZDUA	A.136
1720970000	ZAP/TW ZDUA BL	A.101

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1723800000	BS 35II KLBUE HOLDER	B.156
1723810000	BS 35II KLBUE3-8	B.156
1723820000	BS 35II/KLBUE 4-13.5	B.156
1724580000	FM 4.2/TS35	C.20

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1730900000	ZSI 2.5/5X25	A.156
1730940000	WDU 2.5N/600UL	A.222
1733640000	ZQV 6/32 GE	B.96
1733640000	ZQV 6/32 GE	B.184
1733640000	ZQV 6/32 GE	B.185
1739540000	ZDU 10S	B.187
1739550000	ZDU 10S BL	B.187
1739560000	ZNT 10S	B.191
1739570000	ZPE 10S	B.189
1739580000	ZDU 16S	B.187
1739590000	ZDU 16S BL	B.187
1739600000	ZNT 16S	B.191
1739610000	ZPE 16S	B.189
1739620000	ZDU 35	A.112
1739630000	ZDU 35 BL	A.112
1739640000	ZNT 35	B.192
1739650000	ZPE 35	A.143
1739660000	ZAP ZDU10/16S	B.187
1739660000	ZAP ZDU10/16S	B.189
1739660000	ZAP ZDU10/16S	B.191
1739660000	ZAP ZDU10/16S	B.193
1739680000	ZQV 10/2	A.110
1739680000	ZQV 10/2	A.209
1739680000	ZQV 10/2	B.118
1739680000	ZQV 10/2	B.119
1739680000	ZQV 10/2	B.187
1739680000	ZQV 10/2	B.193
1739690000	ZQV 16/2	A.73
1739690000	ZQV 16/2	A.81
1739690000	ZQV 16/2	A.93
1739690000	ZQV 16/2	A.111
1739690000	ZQV 16/2	A.209
1739690000	ZQV 16/2	B.172
1739690000	ZQV 16/2	B.173
1739690000	ZQV 16/2	B.187
1739690000	ZQV 16/2	B.191
1739700000	ZQV 35/2	A.112
1739700000	ZQV 35/2	A.209
1739890000	SCH-1-WINBLOC	B.155

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1742630000	BTWZ KLBUE	B.155
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1742630000	BTWZ KLBUE	B.160
1742630000	BTWZ KLBUE	B.161
1745150000	ZAP/TW ZDU16	A.111
1745150000	ZAP/TW ZDU16	A.143
1745210000	ZAD 5/5	A.111
1745230000	ZDU 16	A.111
1745240000	ZDU 16 BL	A.111
1745250000	ZPE 16	A.143
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1745400000	ZDTR 2.5	A.172
1745420000	AP ZDTR2.5	A.172
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1746730000	ZAD 4/5	A.110
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1809180000	ST 4000/L M12 F	A.347
1809190000	ST 4000/S P150	A.346
1809200000	ST 4000/L P180	A.347
1809210000	ST 4000/S E150	A.346
1809220000	ST 4000/L E180	A.347
1809230000	ST 4000/S C130	A.346
1809240000	ST 4000/L C160	A.347
1809250000	ST 4000/S CB M8/4	A.346
1809260000	ST 4000/S CB M10/4	A.346
1809270000	ST 4000/S CB M10/6	A.346
1809280000	ST 4000/L CB M10/4	A.347
1809290000	ST 4000/L CB M12/4	A.347
1809300000	ST 4000/L CB M12/6	A.347
1809310000	ST 4000/S J2 M8	A.346
1809320000	ST 4000/S J3 M8	A.346
1809340000	ST 4000/S J2 M10	A.346
1809370000	ST 4000/L J2 M10	A.347
1809390000	ST 4000/L J4 M10	A.347
1809400000	ST 4000/L J2 M12	A.347
1809410000	ST 4000/L J3 M12	A.347
1809420000	ST 4000/L J4 M12	A.347
1809470000	ST 4000/S S150	A.346
1809480000	ST 4000/L S180	A.347

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1812630000	SM 27/8 K MC NE WS	B.161
1812710000	WQL 2 WF5	A.330
1812710000	WQL 2 WF5	A.342
1812740000	WQL 3 WF5	A.330
1812740000	WQL 3 WF5	A.342
1814660000	ZF 4 S BL	B.174
1814660000	ZF 4 S BL	B.175
1814660000	ZF 4 S BL	B.180
1814660000	ZF 4 S BL	B.181
1814660000	ZF 4 S BL	B.182
1814660000	ZF 4 S BL	B.183
1814690000	ZSI 6-2/FC	A.166
1814700000	ZSI 6-2/FC LD	A.166
1814710000	ZAP ZDU6-2 SW	A.160
1814710000	ZAP ZDU6-2 SW	A.162
1814710000	ZAP ZDU6-2 SW	A.164
1814710000	ZAP ZDU6-2 SW	A.165
1814710000	ZAP ZDU6-2 SW	A.166
1815070000	ZT 2.5/2AN/1	A.176
1815080000	ZTPE 2.5/2AN/1	A.179
1815090000	ZT 2.5/3AN/1	A.176
1815100000	ZTPE 2.5/3AN/1	A.179
1815110000	ZT 2.5/4AN/2	A.177
1815120000	ZTPE 2.5/4AN/2	A.180
1815130000	ZT 2.5/4AN/4	A.177
1815140000	ZTPE 2.5/4AN/4	A.180
1815150000	ZDT 2.5/2	A.182
1815160000	ZDT 2.5/2 DU-PE	A.183
1815170000	ZDT 2.5/2 PE	A.184
1815180000	ZP 2.5/1AN/17	A.188
1815190000	ZP 2.5/1AN/QV/1	A.176
1815190000	ZP 2.5/1AN/QV/1	A.177
1815190000	ZP 2.5/1AN/QV/1	A.182
1815190000	ZP 2.5/1AN/QV/1	A.183
1815190000	ZP 2.5/1AN/QV/1	A.189
1815200000	ZP 2.5/1AN/QV/2	A.176
1815200000	ZP 2.5/1AN/QV/2	A.177
1815200000	ZP 2.5/1AN/QV/2	A.182
1815200000	ZP 2.5/1AN/QV/2	A.183
1815200000	ZP 2.5/1AN/QV/2	A.189
1815210000	ZP 2.5/1AN/QV/3	A.176
1815210000	ZP 2.5/1AN/QV/3	A.177
1815210000	ZP 2.5/1AN/QV/3	A.182
1815210000	ZP 2.5/1AN/QV/3	A.183
1815210000	ZP 2.5/1AN/QV/3	A.189
1815220000	ZP 2.5/1AN/QV/4	A.176
1815220000	ZP 2.5/1AN/QV/4	A.177
1815220000	ZP 2.5/1AN/QV/4	A.182
1815220000	ZP 2.5/1AN/QV/4	A.183
1815220000	ZP 2.5/1AN/QV/4	A.189
1815230000	ZP 2.5/1AN/QV/5	A.176
1815230000	ZP 2.5/1AN/QV/5	A.177
1815230000	ZP 2.5/1AN/QV/5	A.182
1815230000	ZP 2.5/1AN/QV/5	A.183
1815230000	ZP 2.5/1AN/QV/5	A.189
1815240000	ZP 2.5/1AN/QV/6	A.176
1815240000	ZP 2.5/1AN/QV/6	A.177
1815240000	ZP 2.5/1AN/QV/6	A.182
1815240000	ZP 2.5/1AN/QV/6	A.183
1815240000	ZP 2.5/1AN/QV/6	A.189
1815250000	ZP 2.5/1AN/QV/7	A.176
1815250000	ZP 2.5/1AN/QV/7	A.177
1815250000	ZP 2.5/1AN/QV/7	A.182
1815250000	ZP 2.5/1AN/QV/7	A.183
1815250000	ZP 2.5/1AN/QV/7	A.189
1815260000	ZP 2.5/1AN/QV/8	A.176
1815260000	ZP 2.5/1AN/QV/8	A.177
1815260000	ZP 2.5/1AN/QV/8	A.182
1815260000	ZP 2.5/1AN/QV/8	A.183
1815260000	ZP 2.5/1AN/QV/8	A.189
1815270000	ZP 2.5/1AN/QV/9	A.176
1815270000	ZP 2.5/1AN/QV/9	A.177
1815270000	ZP 2.5/1AN/QV/9	A.182
1815270000	ZP 2.5/1AN/QV/9	A.183
1815270000	ZP 2.5/1AN/QV/9	A.189
1815280000	ZP 2.5/1AN/QV/10	A.176
1815280000	ZP 2.5/1AN/QV/10	A.177
1815280000	ZP 2.5/1AN/QV/10	A.182
1815280000	ZP 2.5/1AN/QV/10	A.183
1815280000	ZP 2.5/1AN/QV/10	A.189
1815290000	ZP 2.5/1AN/QV/11	A.189
1815300000	ZP 2.5/1AN/QV/12	A.189
1815310000	ZP 2.5/1AN/QV/13	A.189
1815320000	ZP 2.5/1AN/QV/14	A.189
1815330000	ZP 2.5/1AN/QV/15	A.189
1815340000	ZP 2.5/1AN/QV/16	A.189
1815350000	ZP 2.5/1AN/QV/17	A.189
1815430000	ZP 2.5/1AN/1	A.177
1815430000	ZP 2.5/1AN/1	A.188
1815440000	ZP 2.5/1AN/2	A.177
1815440000	ZP 2.5/1AN/2	A.188
1815450000	ZP 2.5/1AN/3	A.177
1815450000	ZP 2.5/1AN/3	A.188
1815500000	ZP 2.5/1AN/4	A.177
1815500000	ZP 2.5/1AN/4	A.188
1815510000	ZP 2.5/1AN/5	A.177
1815510000	ZP 2.5/1AN/5	A.188
1815520000	ZP 2.5/1AN/6	A.177
1815520000	ZP 2.5/1AN/6	A.188
1815530000	ZP 2.5/1AN/7	A.177
1815530000	ZP 2.5/1AN/7	A.188
1815540000	ZP 2.5/1AN/8	A.177
1815540000	ZP 2.5/1AN/8	A.188
1815550000	ZP 2.5/1AN/9	A.177
1815550000	ZP 2.5/1AN/9	A.188
1815560000	ZP 2.5/1AN/10	A.177
1815560000	ZP 2.5/1AN/10	A.188
1815570000	ZP 2.5/1AN/11	A.188
1815580000	ZP 2.5/1AN/12	A.188
1815590000	ZP 2.5/1AN/13	A.188
1815600000	ZP 2.5/1AN/14	A.188
1815610000	ZP 2.5/1AN/15	A.188
1815620000	ZP 2.5/1AN/16	A.188
1815730000	ZP 2.5/2AN/QV/1	A.189
1815740000	ZP 2.5/2AN/QV/2	A.189
1815750000	ZP 2.5/2AN/QV/3	A.189
1815760000	ZP 2.5/2AN/QV/4	A.189
1815770000	ZP 2.5/2AN/QV/5	A.189
1815780000	ZP 2.5/2AN/QV/6	A.189
1815790000	ZP 2.5/2AN/QV/7	A.189
1815800000	ZP 2.5/2AN/QV/8	A.189
1815810000	ZP 2.5/2AN/QV/9	A.189
1815820000	ZP 2.5/2AN/QV/10	A.189
1815830000	ZP 2.5/2AN/QV/11	A.189
1815840000	ZP 2.5/2AN/QV/12	A.189
1815870000	ZP 2.5/2AN/QV/15	A.189
1815880000	ZP 2.5/2AN/QV/16	A.189
1816030000	ZAP/TW ZT2.5/2AN	A.176
1816030000	ZAP/TW ZT2.5/2AN	A.179

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1816040000	ZAP/TW ZT2.5/2AN OR	A.176
1816040000	ZAP/TW ZT2.5/2AN OR	A.179
1816050000	ZAP/TW ZT2.5/3AN	A.176
1816050000	ZAP/TW ZT2.5/3AN	A.179
1816070000	ZAP/TW ZT2.5/4AN/2	A.177
1816070000	ZAP/TW ZT2.5/4AN/2	A.180
1816080000	ZAP/TW ZT2.5/4AN/2 OR	A.177
1816080000	ZAP/TW ZT2.5/4AN/2 OR	A.180
1816090000	ZAP/TW ZT2.5/4AN/4	A.177
1816090000	ZAP/TW ZT2.5/4AN/4	A.180
1816110000	ZAP/TW ZDT2.5/2	A.182
1816110000	ZAP/TW ZDT2.5/2	A.183
1816110000	ZAP/TW ZDT2.5/2	A.184
1816130000	ZVR ZP2.5	A.176
1816130000	ZVR ZP2.5	A.177
1816130000	ZVR ZP2.5	A.179
1816130000	ZVR ZP2.5	A.180
1816130000	ZVR ZP2.5	A.182
1816130000	ZVR ZP2.5	A.183
1816130000	ZVR ZP2.5	A.184
1816130000	ZVR ZP2.5	A.193
1816140000	ZZE ZP2.5	A.176
1816140000	ZZE ZP2.5	A.177
1816140000	ZZE ZP2.5	A.179
1816140000	ZZE ZP2.5	A.180
1816140000	ZZE ZP2.5	A.182
1816140000	ZZE ZP2.5	A.183
1816140000	ZZE ZP2.5	A.184
1816140000	ZZE ZP2.5	A.193
1816150000	KOSF ZT2.5	A.176
1816150000	KOSF ZT2.5	A.177
1816150000	KOSF ZT2.5	A.179
1816150000	KOSF ZT2.5	A.180
1816150000	KOSF ZT2.5	A.182
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1816150000	KOSF ZT2.5	A.184
1816150000	KOSF ZT2.5	A.193

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1820550000	WDU 95N/120N	B.8
1820560000	WDU 95N/120N BL	A.235
1820560000	WDU 95N/120N BL	B.8
1820570000	ZP 2.5/1AN/QV/1 GN	A.189
1820580000	ZP 2.5/1AN/1 GN	A.188
1820590000	ZP 2.5/2AN/QV/1 GN	A.189
1820840000	WDU 50N	A.234
1820840000	WDU 50N	B.6
1820850000	WDU 50N BL	A.234
1820850000	WDU 50N BL	B.6
1820930000	ZSI 6-2 2X2.5/G20	A.164
1820950000	ZSI 6-2 2X2.5/G25	A.165
1822210000	WDU 240 BL	A.236
1822210000	WDU 240 BL	B.9
1826050000	ZSI 2.5-2/2X2AN/G20	A.160
1826200000	ZSI 2.5-2/2X2AN/G25	A.160
1826890000	WQV 95N/120N/2	A.235
1826890000	WQV 95N/120N/2	A.319
1826890000	WQV 95N/120N/2	B.8
1826890000	WQV 95N/120N/2	B.168
1826900000	WQV 95N/120N/3	A.235
1826900000	WQV 95N/120N/3	A.319
1826900000	WQV 95N/120N/3	B.8
1826900000	WQV 95N/120N/3	B.168
1826910000	WQV 95N/120N/4	A.235
1826910000	WQV 95N/120N/4	A.319
1826910000	WQV 95N/120N/4	B.8
1826910000	WQV 95N/120N/4	B.168
1826970000	ZDU 1.5/2X2AN	A.105
1827080000	ZTA ZT2.5	A.118
1827080000	ZTA ZT2.5	A.119
1827080000	ZTA ZT2.5	A.134
1827080000	ZTA ZT2.5	A.135
1827080000	ZTA ZT2.5	A.148
1827080000	ZTA ZT2.5	A.149
1827080000	ZTA ZT2.5	A.152
1827080000	ZTA ZT2.5	A.176
1827080000	ZTA ZT2.5	A.177
1827080000	ZTA ZT2.5	A.179
1827080000	ZTA ZT2.5	A.180
1827080000	ZTA ZT2.5	A.181
1827080000	ZTA ZT2.5	A.182
1827080000	ZTA ZT2.5	A.183
1827080000	ZTA ZT2.5	A.184
1827080000	ZTA ZT2.5	A.188
1827080000	ZTA ZT2.5	A.189
1827080000	ZTA ZT2.5	A.210
1828450000	WS 10/6 MC NE WS	A.108
1828450000	WS 10/6 MC NE WS	A.178
1828450000	WS 10/6 MC NE WS	A.181
1828450000	WS 10/6 MC NE WS	A.190
1828450000	WS 10/6 MC NE WS	A.331
1828450000	WS 10/6 MC NE WS	A.332
1828450000	WS 10/6 MC NE WS	A.333
1828450000	WS 10/6 MC NE WS	B.186
1828450000	WS 10/6 MC NE WS	B.187
1828450000	WS 10/6 MC NE WS	B.188
1828450000	WS 10/6 MC NE WS	B.189
1828450000	WS 10/6 MC NE WS	B.190
1828450000	WS 10/6 MC NE WS	B.191

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1833090000	TNST	A.87
1833090000	TNST	A.88
1833090000	TNST	A.170
1833090000	TNST	A.171
1833090000	TNST	A.185
1833090000	TNST	A.215
1833090000	TNST	A.280
1833090000	TNST	A.281
1833090000	TNST	A.282
1833090000	TNST	A.283
1833090000	TNST	A.288
1833090000	TNST	A.289
1833090000	TNST	B.139
1833090000	TNST	B.140
1833090000	TNST	B.141
1833090000	TNST	B.142
1833090000	TNST	B.143
1833090000	TNST	B.176
1833090000	TNST	B.177
1833100000	BEST	A.86
1833100000	BEST	A.87
1833100000	BEST	A.88
1833100000	BEST	A.170
1833100000	BEST	A.171
1833100000	BEST	A.185
1833100000	BEST	A.215
1833100000	BEST	A.280
1833100000	BEST	A.281
1833100000	BEST	A.282
1833100000	BEST	A.283
1833100000	BEST	A.288
1833100000	BEST	A.289
1833100000	BEST	B.139
1833100000	BEST	B.140
1833100000	BEST	B.141
1833100000	BEST	B.142
1833100000	BEST	B.143
1833100000	BEST	B.176
1833100000	BEST	B.177
1833600000	WDK 2.5/TR-DU/o TNHE	A.288
1833610000	WDK 2.5/TR-DU/o TNHE StB	A.288
1833640000	WDK 2.5/TR-DU-PE/o TNHE	A.289
1834060000	WQV 50N/2	A.234
1834060000	WQV 50N/2	A.318
1834060000	WQV 50N/2	B.6
1834060000	WQV 50N/2	B.167
1834070000	WQV 50N/3	A.234
1834070000	WQV 50N/3	A.318
1834070000	WQV 50N/3	B.6
1834070000	WQV 50N/3	B.167
1834080000	WQV 50N/4	A.234
1834080000	WQV 50N/4	A.318
1834080000	WQV 50N/4	B.6
1834080000	WQV 50N/4	B.167
1835840000	KLBUE 3-8 SDSC	B.155
1837030000	PDL 4 S/L/L	B.183
1837040000	PDL 4 S/L/L/PE	B.182
1837050000	PDL 4 S/N/L/PE	B.180
1837060000	PDL 4 S/NT/L/PE	B.182
1837070000	PAP PDL4S	B.180
1837070000	PAP PDL4S	B.181
1837070000	PAP PDL4S	B.182
1837070000	PAP PDL4S	B.183
1837070000	PAP PDL4S	B.202
1837080000	PHP PDL SO	B.180
1837080000	PHP PDL SO	B.181
1837080000	PHP PDL SO	B.182
1837080000	PHP PDL SO	B.183
1837090000	PHP PDL	B.180
1837090000	PHP PDL	B.181
1837090000	PHP PDL	B.182
1837090000	PHP PDL	B.183
1839850000	WAP WDK 2.5N/TR-DU	A.288
1839850000	WAP WDK 2.5N/TR-DU	A.289

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1846030000	WPE 95N/120N	B.11
1846040000	WPE 50N	A.255
1846040000	WPE 50N	B.10
1847600000	ZTA ZT2.5/ZA	A.118
1847600000	ZTA ZT2.5/ZA	A.119
1847600000	ZTA ZT2.5/ZA	A.129
1847600000	ZTA ZT2.5/ZA	A.134
1847600000	ZTA ZT2.5/ZA	A.135
1847600000	ZTA ZT2.5/ZA	A.148
1847600000	ZTA ZT2.5/ZA	A.149
1847600000	ZTA ZT2.5/ZA	A.152
1847600000	ZTA ZT2.5/ZA	A.176
1847600000	ZTA ZT2.5/ZA	A.177
1847600000	ZTA ZT2.5/ZA	A.179
1847600000	ZTA ZT2.5/ZA	A.180
1847600000	ZTA ZT2.5/ZA	A.182
1847600000	ZTA ZT2.5/ZA	A.183
1847600000	ZTA ZT2.5/ZA	A.184
1847600000	ZTA ZT2.5/ZA	A.210
1847610000	PDL 4 S/L	B.180
1847620000	PDL 4 S/N	B.181
1847630000	PDL 4 S/N/L	B.181
1847740000	STB 36.8/IH/DB WTL6/1	B.95
1847740000	STB 36.8/IH/DB WTL6/1	B.109
1847760000	STB 36.8/IH/GE WTL6/1	B.94
1847760000	STB 36.8/IH/GE WTL6/1	B.95
1847760000	STB 36.8/IH/GE WTL6/1	B.104
1847760000	STB 36.8/IH/GE WTL6/1	B.105
1847760000	STB 36.8/IH/GE WTL6/1	B.106
1847760000	STB 36.8/IH/GE WTL6/1	B.109
1847760000	STB 36.8/IH/GE WTL6/1	B.110
1847760000	STB 36.8/IH/GE WTL6/1	B.112
1847770000	STB 36.8/IH/GN WTL6/1	B.94
1847770000	STB 36.8/IH/GN WTL6/1	B.95
1847770000	STB 36.8/IH/GN WTL6/1	B.104
1847770000	STB 36.8/IH/GN WTL6/1	B.105
1847770000	STB 36.8/IH/GN WTL6/1	B.106
1847770000	STB 36.8/IH/GN WTL6/1	B.109
1847770000	STB 36.8/IH/GN WTL6/1	B.110
1847770000	STB 36.8/IH/GN WTL6/1	B.112
1847780000	STB 36.8/IH/VI WTL6/1	B.94
1847780000	STB 36.8/IH/VI WTL6/1	B.95
1847780000	STB 36.8/IH/VI WTL6/1	B.104
1847780000	STB 36.8/IH/VI WTL6/1	B.109
1847780000	STB 36.8/IH/VI WTL6/1	B.110
1847780000	STB 36.8/IH/VI WTL6/1	B.112
1847790000	STB 36.8/IH/BL WTL6/1	B.94
1847790000	STB 36.8/IH/BL WTL6/1	B.95
1847790000	STB 36.8/IH/BL WTL6/1	B.104
1847790000	STB 36.8/IH/BL WTL6/1	B.105
1847790000	STB 36.8/IH/BL WTL6/1	B.106
1847790000	STB 36.8/IH/BL WTL6/1	B.109
1847790000	STB 36.8/IH/BL WTL6/1	B.110
1847790000	STB 36.8/IH/BL WTL6/1	B.112
1848290000	TS 35X15/2.3 2M/AL/BK	C.17
1848330000	ZTPE 4/4AN/2	A.181
1848340000	ZP 4/1AN/1	A.178
1848340000	ZP 4/1AN/1	A.190
1848350000	ZT 4/4AN/2	A.178
1848360000	ZAP/TW ZT4/4AN/2	A.178
1848480000	FEKO ZRV2.5 1.5-2.5	A.187

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1854090000	WS 10/15 MC NE WS	A.203
1854490000	DEK 5/5 PLUS MC NE WS	A.7
1854490000	DEK 5/5 PLUS MC NE WS	A.8
1854490000	DEK 5/5 PLUS MC NE WS	A.16
1854490000	DEK 5/5 PLUS MC NE WS	A.17
1854490000	DEK 5/5 PLUS MC NE WS	A.18
1854490000	DEK 5/5 PLUS MC NE WS	A.19
1854490000	DEK 5/5 PLUS MC NE WS	A.20
1854490000	DEK 5/5 PLUS MC NE WS	A.23
1854490000	DEK 5/5 PLUS MC NE WS	A.24
1854490000	DEK 5/5 PLUS MC NE WS	A.29
1854490000	DEK 5/5 PLUS MC NE WS	A.30
1854490000	DEK 5/5 PLUS MC NE WS	A.34
1854490000	DEK 5/5 PLUS MC NE WS	A.38
1854490000	DEK 5/5 PLUS MC NE WS	A.39
1854490000	DEK 5/5 PLUS MC NE WS	A.40
1854490000	DEK 5/5 PLUS MC NE WS	A.41
1854490000	DEK 5/5 PLUS MC NE WS	A.48
1854490000	DEK 5/5 PLUS MC NE WS	A.49
1854490000	DEK 5/5 PLUS MC NE WS	A.50
1854490000	DEK 5/5 PLUS MC NE WS	A.51
1854490000	DEK 5/5 PLUS MC NE WS	A.52
1854490000	DEK 5/5 PLUS MC NE WS	A.76
1854490000	DEK 5/5 PLUS MC NE WS	B.44
1854490000	DEK 5/5 PLUS MC NE WS	B.55
1854490000	DEK 5/5 PLUS MC NE WS	B.57
1854750000	FEKO ZRV2.5 0.2-0.35	A.187
1854760000	FEKO ZRV2.5 0.5-1	A.187
1854960000	ZT 4/2AN/1	A.178
1854970000	ZTPE 4/2AN/1	A.181
1854980000	ZP 4/1AN/1 GN	A.190
1854990000	ZP 4/1AN/2	A.178
1854990000	ZP 4/1AN/2	A.190
1855000000	ZP 4/1AN/3	A.178
1855000000	ZP 4/1AN/3	A.190
1855010000	ZP 4/1AN/4	A.178
1855010000	ZP 4/1AN/4	A.190
1855020000	ZP 4/1AN/5	A.178
1855020000	ZP 4/1AN/5	A.190
1855030000	ZP 4/1AN/6	A.178
1855030000	ZP 4/1AN/6	A.190
1855040000	ZP 4/1AN/7	A.178
1855040000	ZP 4/1AN/7	A.190
1855050000	ZP 4/1AN/8	A.178
1855050000	ZP 4/1AN/8	A.190
1855060000	ZP 4/1AN/9	A.178
1855060000	ZP 4/1AN/9	A.190
1855070000	ZP 4/1AN/10	A.178
1855070000	ZP 4/1AN/10	A.190
1855080000	ZP 4/1AN/11	A.190
1855090000	ZP 4/1AN/12	A.190
1855100000	ZP 4/1AN/13	A.190
1855110000	ZP 4/1AN/14	A.190
1855220000	ZAP/TW ZT4/2AN	A.178
1855220000	ZAP/TW ZT4/2AN	A.181
1855230000	ZAP/TW ZT4/2AN OR	A.178
1855230000	ZAP/TW ZT4/2AN OR	A.181
1855250000	ZVR ZP4	A.178
1855250000	ZVR ZP4	A.181
1855250000	ZVR ZP4	A.193
1855250000	ZVR ZP4	A.293
1855250000	ZVR ZP4	A.294
1855260000	ZZE ZP4	A.178
1855260000	ZZE ZP4	A.181
1855260000	ZZE ZP4	A.193
1855260000	ZZE ZP4	A.294
1855610000	WTR 2.5	A.280
1855620000	WTR 2.5 STB2.3	A.280
1856740000	DEK 5/8 MC NE WS	A.109
1856740000	DEK 5/8 MC NE WS	A.117
1856740000	DEK 5/8 MC NE WS	A.141
1856740000	DEK 5/8 MC NE WS	A.146
1856740000	DEK 5/8 MC NE WS	A.147
1856740000	DEK 5/8 MC NE WS	A.171
1856740000	DEK 5/8 MC NE WS	A.226
1856740000	DEK 5/8 MC NE WS	A.227
1856740000	DEK 5/8 MC NE WS	A.252
1856740000	DEK 5/8 MC NE WS	A.255
1856740000	DEK 5/8 MC NE WS	A.262
1856740000	DEK 5/8 MC NE WS	A.263
1856740000	DEK 5/8 MC NE WS	A.264
1856740000	DEK 5/8 MC NE WS	A.265
1856740000	DEK 5/8 MC NE WS	A.268
1856740000	DEK 5/8 MC NE WS	A.269
1856740000	DEK 5/8 MC NE WS	A.276
1856740000	DEK 5/8 MC NE WS	A.277
1856740000	DEK 5/8 MC NE WS	B.8
1856740000	DEK 5/8 MC NE WS	B.10
1856740000	DEK 5/8 MC NE WS	B.18
1856740000	DEK 5/8 MC NE WS	B.19
1856740000	DEK 5/8 MC NE WS	B.20
1856740000	DEK 5/8 MC NE WS	B.52
1856740000	DEK 5/8 MC NE WS	B.53
1856740000	DEK 5/8 MC NE WS	B.58
1856740000	DEK 5/8 MC NE WS	B.59
1856740000	DEK 5/8 MC NE WS	B.95
1856740000	DEK 5/8 MC NE WS	B.97
1856740000	DEK 5/8 MC NE WS	B.101
1856740000	DEK 5/8 MC NE WS	B.102
1856740000	DEK 5/8 MC NE WS	B.105
1856740000	DEK 5/8 MC NE WS	B.106
1856740000	DEK 5/8 MC NE WS	B.107
1856740000	DEK 5/8 MC NE WS	B.115
1856740000	DEK 5/8 MC NE WS	B.117
1856740000	DEK 5/8 MC NE WS	B.187
1856740000	DEK 5/8 MC NE WS	B.189
1856740000	DEK 5/8 MC NE WS	B.191
1856750000	DEK 5/8 MC SDR	B.52
1856750000	DEK 5/8 MC SDR	B.53
1856750000	DEK 5/8 MC SDR	B.58
1856750000	DEK 5/8 MC SDR	B.59
1856860000	KOSF ZT4	A.178
1856860000	KOSF ZT4	A.181
1856860000	KOSF ZT4	A.193
1856860000	KOSF ZT4	A.292
1856860000	KOSF ZT4	A.294
1859200000	WEW 35/2 GR 7042	C.13
1859200000	WEW 35/2 GR 7042	C.19
1859580000	WZAD 95N/120N	A.235
1859580000	WZAD 95N/120N	B.8
1859580000	WZAD 95N/120N	B.168
1859600000	Q WDU6-2.5 SET	A.321
1859610000	Q WDU10-4 SET	A.321
1859620000	Q WDU10-2.5 SET	A.321

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1861030000	ZAD ZT/ZPS2.5	A.193
1861030000	ZAD ZT/ZPS2.5	A.293
1861040000	ZPS 2.5/1AN/QV/1	A.192
1861050000	ZPS 2.5/1AN/QV/1 GN	A.192
1865410000	RAHE LN WDT1.5	A.286
1865410000	RAHE LN WDT1.5	A.287
1865510000	ZTTR 2.5	A.185
1865520000	ZAP/TW ZTTR2.5	A.185
1865880000	ZPS 2.5/1AN/QV/1	A.189
1865900000	ZPS 2.5/1AN/QV/2	A.189
1865910000	ZPS 2.5/1AN/QV/3	A.189
1865920000	ZPS 2.5/1AN/QV/4	A.189
1865930000	ZPS 2.5/1AN/QV/5	A.189
1865940000	ZPS 2.5/1AN/QV/6	A.189
1865950000	ZPS 2.5/1AN/QV/7	A.189
1865960000	ZPS 2.5/1AN/QV/8	A.189
1865970000	ZPS 2.5/1AN/QV/9	A.189
1865980000	ZPS 2.5/1AN/QV/10	A.189
1866000000	ZPS 2.5/1AN/QV/12	A.189
1866030000	ZPS 2.5/1AN/QV/15	A.189

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1866040000	ZPS 2.5/1AN/OV/16	A.189
1866070000	GHDE ZPS2.5/1AN	A.189
1866070000	GHDE ZPS2.5/1AN	A.192
1866220000	ZZE ZP2.5/4	A.193
1866230000	ZZE ZP2.5/8	A.193
1866240000	ZVLA SC ZPS2.5	A.195
1866260000	ZVLA RC ZPS2.5	A.195
1866290000	TS 35X15/6X25 2M/ST/ZN	C.18
1866760000	Removal Tool AFK	A.187
1867090000	ZP 2.5/1AN/2 GN/BE	A.188
1867100000	ZP 2.5/1AN/3 GN/BE	A.188
1867110000	ZP 2.5/1AN/4 GN/BE	A.188
1867120000	ZP 2.5/1AN/5 GN/BE	A.188
1867130000	ZP 2.5/1AN/6 GN/BE	A.188
1867140000	ZP 2.5/1AN/7 GN/BE	A.188
1867150000	ZP 2.5/1AN/8 GN/BE	A.188
1867160000	ZP 2.5/1AN/9 GN/BE	A.188
1867170000	ZP 2.5/1AN/10 GN/BE	A.188
1867180000	ZP 2.5/1AN/11 GN/BE	A.188
1867190000	ZP 2.5/1AN/12 GN/BE	A.188
1867200000	ZP 2.5/1AN/13 GN/BE	A.188
1867210000	ZP 2.5/1AN/14 GN/BE	A.188
1867220000	ZP 2.5/1AN/15 GN/BE	A.188
1867240000	ZP 2.5/1AN/17 GN/BE	A.188
1867420000	ZSI 2.5-2/2X2AN/G20/LD3	A.162
1867440000	ZSI 2.5-2/2X2AN/G20/LD1	A.162
1867500000	ZSI 6-2 2X2.5/G20/LD1	A.165
1868870000	ZDU 2.5-2 O.EL	A.198
1868880000	SMSE WF10/2XM6	A.333
1868880000	SMSE WF10/2XM6	A.341

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1872720000	WZAD 50N	A.234
1872720000	WZAD 50N	B.6
1872720000	WZAD 50N	B.167
1875150000	ZP 2.5/1AN	A.192
1875180000	ZP 2.5/1AN GN	A.192
1875190000	ZP 2.5/1AN ZA	A.192
1875200000	ZP 2.5/1AN ZA GN	A.192
1875210000	ZP 2.5/1AN ZA O.RA	A.192
1875220000	ZP 2.5/1AN ZA O.RA GN	A.192
1878560000	BEST/D	A.86
1878560000	BEST/D	A.87
1878560000	BEST/D	A.88
1878560000	BEST/D	A.170
1878560000	BEST/D	A.171
1878560000	BEST/D	A.185
1878560000	BEST/D	A.215
1878560000	BEST/D	A.280
1878560000	BEST/D	A.281
1878560000	BEST/D	A.282
1878560000	BEST/D	A.283
1878560000	BEST/D	A.288
1878560000	BEST/D	A.289
1878560000	BEST/D	B.138
1878560000	BEST/D	B.139
1878560000	BEST/D	B.140
1878560000	BEST/D	B.141
1878560000	BEST/D	B.142
1878560000	BEST/D	B.143
1878560000	BEST/D	B.176
1878560000	BEST/D	B.177
1878570000	BEST/DRBR	A.86
1878570000	BEST/DRBR	A.87
1878570000	BEST/DRBR	A.88
1878570000	BEST/DRBR	A.170
1878570000	BEST/DRBR	A.171
1878570000	BEST/DRBR	A.185
1878570000	BEST/DRBR	A.215
1878570000	BEST/DRBR	A.280
1878570000	BEST/DRBR	A.281
1878570000	BEST/DRBR	A.282
1878570000	BEST/DRBR	A.283
1878570000	BEST/DRBR	A.288
1878570000	BEST/DRBR	A.289
1878570000	BEST/DRBR	B.138
1878570000	BEST/DRBR	B.139
1878570000	BEST/DRBR	B.140
1878570000	BEST/DRBR	B.141
1878570000	BEST/DRBR	B.142
1878570000	BEST/DRBR	B.143
1878570000	BEST/DRBR	B.176
1878570000	BEST/DRBR	B.177
1878600000	ZVLA DF ZPS2.5	A.194
1878620000	ZVR ZPS2.5	A.193
1878660000	WTA 4N WDK 2.5	A.323
1879350000	WTA 4N/ZA WDK 2.5	A.323
1879730000	ZSI 2.5-2/2X2AN/G20/LD4	A.162
1879750000	ZSI 6-2 2X2.5/G20/LD4	A.165

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1880100000	ESG 6/15 K MC NE WS	A.270
1880390000	WSI 4/2/LD 140-250V AC/DC	A.261
1880410000	WSI 4/2/LD 10-36V AC/DC	A.261
1880420000	WSI 4/2/LD 60-150V AC/DC	A.261
1880430000	WSI 4/2	A.261
1880440000	WSI 4/2/LD 30-70V AC/DC	A.261
1880450000	WAP WSI4/2	A.261
1881640000	WAP WTL4/2	B.98
1881650000	WTL 4/2 STB	B.98
1882590000	PDL 4/L/L	B.179
1882600000	PDL 4/NT/L	B.179
1882610000	PDL 4/L/L/PE	B.178
1882620000	PDL 4/NT/L/PE	B.179
1883210000	PAP PDL4	B.176
1883210000	PAP PDL4	B.177
1883210000	PAP PDL4	B.178
1883210000	PAP PDL4	B.179
1883210000	PAP PDL4	B.202
1886550000	WSI 4/LD 140-250V AC/DC	A.260
1886560000	WSI 4/LD 30-70V AC/DC	A.260
1886570000	WSI 4/LD 60-150V AC/DC	A.260
1886580000	WSI 4	A.260
1886590000	WSI 4/LD 10-36V AC/DC	A.260
1887210000	WTL 6/4 FF	B.118
1887210000	WTL 6/4 FF	B.119
1887220000	WTD 6/4 FF	B.119
1887240000	WAP WTL6/4FF	B.118
1887240000	WAP WTL6/4FF	B.119

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1893940000	FEKO ET ZRV2.5 0.2-0.35	A.187
1893970000	FEKO ET ZRV2.5 0.5-1	A.187
1893990000	FEKO ET ZRV2.5 1.5-2.5	A.187
1895700000	ZDKPE 2.5-2/N/L/PE	A.130
1896100000	PHP PNT 6/10	B.174
1896100000	PHP PNT 6/10	B.202
1896110000	PDU 2.5/4	A.70
1896120000	PDU 2.5/4/3AN	A.70
1896130000	PDU 2.5/4/4AN	A.71
1896140000	PDU 6/10	A.71
1896150000	PDU 6/10/3AN	A.72
1896160000	PPE 2.5/4/4AN	A.79
1896170000	PPE 2.5/4	A.78
1896180000	PPE 6/10	A.79
1896190000	PPE 6/10/3AN	A.80
1896200000	PPE 2.5/4/3AN	A.78
1896210000	PPE 16	A.81
1896220000	PDU 16 BL	A.73
1896230000	PDU 2.5/4 BL	A.70
1896240000	PDU 2.5/4/3AN BL	A.70
1896250000	PDU 2.5/4/4AN BL	A.71
1896270000	PDU 6/10 BL	A.71
1896280000	PDU 6/10/3AN BL	A.72
1896290000	PAP 16	A.73
1896290000	PAP 16	A.81
1896290000	PAP 16	A.90
1896300000	PAP 2.5/4	A.70
1896300000	PAP 2.5/4	A.78
1896300000	PAP 2.5/4	A.90
1896320000	PAP 2.5/4/4AN	A.71
1896320000	PAP 2.5/4/4AN	A.79
1896320000	PAP 2.5/4/4AN	A.90
1896330000	PAP PDU6/10	A.71
1896330000	PAP PDU6/10	A.79
1896330000	PAP PDU6/10	A.90
1896340000	PAP PDU6/10/3AN	A.72
1896340000	PAP PDU6/10/3AN	A.80
1896340000	PAP PDU6/10/3AN	A.90
1896350000	PNT 16	B.175
1896360000	PNT 2.5/4	B.174
1896370000	PNT 6/10	B.174
1896380000	PHP PNT16	B.175
1896380000	PHP PNT16	B.202
1896390000	PHP PNT 2.5/4	B.174
1896390000	PHP PNT 2.5/4	B.202
1896400000	PDU 16	A.73
1896480000	PAP 2.5/4/3AN	A.70
1896480000	PAP 2.5/4/3AN	A.78
1896480000	PAP 2.5/4/3AN	A.90
1897010000	QL 2 WTL6/4FF	B.119
1897020000	QL 3 WTL6/4FF	B.119
1897030000	QL 4 WTL6/4FF	B.119
1897090000	QL 10 WTL 6/4 FF	B.119
1897110000	Q 2 WTL6/4FF	B.119
1897130000	Q 4 WTL 6/4FF	B.119
1897190000	Q 10 WTL 6/4FF	B.119
1898420000	STGH O.R/SW ZRV2.5	A.187
1898430000	STGH O.ZA/O.R/SW ZRV2.5	A.187
1899170000	MOFU 15/35 ZPS2.5	A.195
1899180000	PDL 4/N/L/PE	B.178
1899190000	PDL 4/TR/DU	B.176
1899200000	PDL 4/TR/DU/PE	B.176
1899210000	PDL 4/TR/DU O.TNHE	B.177
1899220000	PDL 4/TR/DU/PE O.TNHE	B.177

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1904960000	WQL 4 WF8-6/3	A.341
1905060000	WDU 4/ZZ	A.223
1905070000	WAP WDU/WTR4/ZR	A.224
1905070000	WAP WDU/WTR4/ZR	A.251
1905070000	WAP WDU/WTR4/ZR	A.283
1905080000	WTR 4/ZR	A.283
1905090000	WTR 4/ZZ	A.282
1905100000	WTR 4/ZZ STB	A.282
1905110000	WTR 4/ZR STB	A.283
1905120000	WPE 4/ZR	A.251
1905130000	WPE 4/ZZ	A.251
1905140000	WDU 4/ZR	A.224
1905150000	WAP WDU/WTR4/ZZ	A.223
1905150000	WAP WDU/WTR4/ZZ	A.251
1905150000	WAP WDU/WTR4/ZZ	A.282
1905170000	ZDK 4-2/N/L	A.132
1905310000	ZDK 2.5-2/LD 24VUC	A.203
1905470000	ZTTR 2.5 O.TNHE	A.185
1905950000	WS 10/8 PLUS MC NE WS	A.10
1905950000	WS 10/8 PLUS MC NE WS	A.26
1905950000	WS 10/8 PLUS MC NE WS	A.27
1905950000	WS 10/8 PLUS MC NE WS	A.71
1905950000	WS 10/8 PLUS MC NE WS	A.72
1905950000	WS 10/8 PLUS MC NE WS	A.79
1905950000	WS 10/8 PLUS MC NE WS	A.80
1905950000	WS 10/8 PLUS MC NE WS	A.84
1905950000	WS 10/8 PLUS MC NE WS	B.48
1905950000	WS 10/8 PLUS MC NE WS	B.49
1905950000	WS 10/8 PLUS MC NE WS	B.50
1905950000	WS 10/8 PLUS MC NE WS	B.52
1905950000	WS 10/8 PLUS MC NE WS	B.53
1905950000	WS 10/8 PLUS MC NE WS	B.58
1905950000	WS 10/8 PLUS MC NE WS	B.59
1905950000	WS 10/8 PLUS MC NE WS	B.174
1905970000	WS 10/12 MC NE WS	A.81
1905970000	WS 10/12 MC NE WS	A.231
1905970000	WS 10/12 MC NE WS	B.166
1905970000	WS 10/12 MC NE WS	B.173
1905970000	WS 10/12 MC NE WS	B.175
1906000000	WS 12/8 PLUS MC NE WS	A.73
1906000000	WS 12/8 PLUS MC NE WS	A.226
1906000000	WS 12/8 PLUS MC NE WS	B.105
1906000000	WS 12/8 PLUS MC NE WS	B.106
1906000000	WS 12/8 PLUS MC NE WS	B.107
1906000000	WS 12/8 PLUS MC NE WS	B.115
1906000000	WS 12/8 PLUS MC NE WS	B.117
1906000000	WS 12/8 PLUS MC NE WS	B.172
1906030000	WS 10/8 PLUS MC SDR	B.52
1906030000	WS 10/8 PLUS MC SDR	B.53
1906030000	WS 10/8 PLUS MC SDR	B.58
1906030000	WS 10/8 PLUS MC SDR	B.59
1906210000	ZQV 6N/2	A.71
1906210000	ZQV 6N/2	A.72
1906210000	ZQV 6N/2	A.93
1906210000	ZQV 6N/2	B.174
1906220000	ZQV 6N/3	A.71
1906220000	ZQV 6N/3	A.72
1906220000	ZQV 6N/3	A.73
1906220000	ZQV 6N/3	A.93
1906220000	ZQV 6N/3	B.174
1906230000	ZQV 6N/4	A.71
1906230000	ZQV 6N/4	A.72
1906230000	ZQV 6N/4	A.93
1906230000	ZQV 6N/4	B.174
1906240000	ZQV 6N/20	A.93
1906240000	ZQV 6N/20	B.174
1906960000	ZRV 2.5/1	A.187
1906970000	ZRV 2.5/2	A.187
1906980000	AP ZRV2.5	A.187
1907000000	STGH ZRV2.5	A.187
1907010000	STGH O.ZA ZRV2.5	A.187
1907520000	DEK 5/5 PLUS MC NE GE	A.150
1908550000	BA ZPS2.5	A.195
1908560000	BA RC ZPS2.5	A.195
1908960000	ZQV 2.5/20	A.93
1908960000	ZQV 2.5/20	A.208
1908960000	ZQV 2.5/20	B.174
1908960000	ZQV 2.5/20	B.176
1908960000	ZQV 2.5/20	B.177
1908960000	ZQV 2.5/20	B.186
1908960000	ZQV 2.5/20	B.190
1908990000	ZQV 6/24 GE	A.209
1908990000	ZQV 6/24 GE	B.184
1908990000	ZQV 6/24 GE	B.185
1908990000	ZQV 6/24 GE	B.187
1908990000	ZQV 6/24 GE	B.191
1909010000	ZQV 4/20 GE	A.208
1909010000	ZQV 4/20 GE	B.186
1909010000	ZQV 4/20 GE	B.190

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1915450000	WTA 8 TN	A.323
1915450000	WTA 8 TN	B.98
1915480000	WTA 8 KO-TN	A.323
1916150000	PAD 2.5/4/4	A.70
1916150000	PAD 2.5/4/4	A.71
1916150000	PAD 2.5/4/4	A.74
1916150000	PAD 2.5/4/4	A.75
1916150000	PAD 2.5/4/4	A.78
1916150000	PAD 2.5/4/4	A.79
1916150000	PAD 2.5/4/4	A.82
1916150000	PAD 2.5/4/4	A.94
1916160000	PAD 6/10/4	A.71
1916160000	PAD 6/10/4	A.72
1916160000	PAD 6/10/4	A.79
1916160000	PAD 6/10/4	A.80
1916160000	PAD 6/10/4	A.94
1916170000	PAD 16/4	A.73
1916170000	PAD 16/4	A.81
1916170000	PAD 16/4	A.94
1916170000	PAD 16/4	B.172
1916170000	PAD 16/4	B.173
1916180000	PTA PDU2.5/4	A.70
1916180000	PTA PDU2.5/4	A.71
1916180000	PTA PDU2.5/4	A.74
1916180000	PTA PDU2.5/4	A.75
1916180000	PTA PDU2.5/4	A.94
1916190000	PTA ZA PDU2.5/4	A.70
1916190000	PTA ZA PDU2.5/4	A.71
1916190000	PTA ZA PDU2.5/4	A.74
1916190000	PTA ZA PDU2.5/4	A.75
1916190000	PTA ZA PDU2.5/4	A.94
1916400000	PRH 2.5/4/2	A.70
1916400000	PRH 2.5/4/2	A.71
1916400000	PRH 2.5/4/2	A.74
1916400000	PRH 2.5/4/2	A.75
1916400000	PRH 2.5/4/2	A.78
1916400000	PRH 2.5/4/2	A.79
1916400000	PRH 2.5/4/2	A.82
1916400000	PRH 2.5/4/2	A.94
1916410000	PRH 2.5/4/1	A.70
1916410000	PRH 2.5/4/1	A.71
1916410000	PRH 2.5/4/1	A.74
1916410000	PRH 2.5/4/1	A.75
1916410000	PRH 2.5/4/1	A.78
1916410000	PRH 2.5/4/1	A.79
1916410000	PRH 2.5/4/1	A.82
1916410000	PRH 2.5/4/1	A.94
1916790000	PHP PNT 2.5/4 SO	B.174
1916790000	PHP PNT 2.5/4 SO	B.202
1918680000	PDK 2.5/4V BL	A.74
1918710000	PDK 2.5/4 PE	A.82
1918720000	PDK 2.5/4L-PE	A.75
1918730000	PDK 2.5/4V	A.74
1918740000	PDK 2.5/4N-L	A.75
1918750000	PDK 2.5/4N-PE	A.75
1918760000	PDK 2.5/4 BL	A.74
1918770000	PDK 2.5/4	A.74
1918780000	PEI 16	A.73
1918790000	PEI 16 BL	A.73
1919690000	PHP PNT16 SO	B.175
1919690000	PHP PNT16 SO	B.202
1919710000	PHP PNT 6/10 SO	B.174
1919710000	PHP PNT 6/10 SO	B.202
1919720000	PAP PDK 2.5/4	A.74
1919720000	PAP PDK 2.5/4	A.75
1919720000	PAP PDK 2.5/4	A.82
1919720000	PAP PDK 2.5/4	A.90

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1924450000	ZDK 2.5/3AN D2	A.203
1924460000	ZDK 2.5/3AN DU-PE	A.135
1924470000	ZDK 2.5/3AN PE	A.152
1924480000	ZDK 2.5/3AN V BL	A.134
1924490000	ZDK 2.5/3AN V	A.134
1924500000	ZDK 2.5/3AN BL	A.134
1924510000	ZDK 2.5/3AN	A.134
1924910000	ZAP/TW ZDK 2.5/3AN	A.134
1924910000	ZAP/TW ZDK 2.5/3AN	A.135
1924910000	ZAP/TW ZDK 2.5/3AN	A.152
1924910000	ZAP/TW ZDK 2.5/3AN	A.203
1925030000	WTL 35/2STB	B.120
1925040000	WEW WTL 35	B.120
1925050000	WTL 35/1STB/WQV	B.120
1925060000	WTL 35/1STB	B.120
1925070000	WQS 2/16/5	B.120

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1933710000	ZDU 2.5N BL	A.118
1933720000	ZDU 2.5N/3AN	A.118
1933730000	ZDU 2.5N/3AN BL	A.118
1933740000	ZDU 2.5N/4AN	A.119
1933750000	ZDU 2.5N/4AN BL	A.119
1933760000	ZPE 2.5N	A.148
1933770000	ZPE 2.5N/3AN	A.148
1933780000	ZPE 2.5N/4AN	A.149
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.118
1933790000	ZAP/TW ZDU/ZPE 2.5N	A.148
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.118
1933800000	ZAP/TW ZDU/ZPE 2.5N/3AN	A.148
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.119
1933810000	ZAP/TW ZDU/ZPE 2.5N/4AN	A.149
1933890000	PTR 2.5/4/4AN O.TNHE	A.88
1933910000	PTR 2.5/4 O.TNHE	A.86
1933930000	PTR 2.5/4/3AN BL	A.87
1933940000	PTR 2.5/4/4AN	A.87
1933950000	PTR 2.5/4	A.86
1933970000	PTR 2.5/4 BL	A.86
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1933990000	PTR 2.5/4/3AN O.TNHE	A.87
1934000000	PTR 2.5/4/4AN BL	A.87

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1934680000	PAP PTR2.5/4	A.90
1934690000	PAP PTR2.5/4/3AN	A.87
1934690000	PAP PTR2.5/4/3AN	A.91
1934700000	PAP PTR2.5/4/4AN	A.87
1934700000	PAP PTR2.5/4/4AN	A.88
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1934790000	WTQ 6/1 EN	B.106
1934800000	WTQ 6/1 EN STB	B.106
1934810000	WTL 6/1 EN	B.104
1934810000	WTL 6/1 EN	B.105
1934820000	WTL 6/1 EN STB	B.105
1934830000	WTD 6/1 EN	B.104
1934830000	WTD 6/1 EN	B.105
1936140000	WKS 2/2	B.104
1936140000	WKS 2/2	B.105
1936140000	WKS 2/2	B.106
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1936240000	STB 21.6/45 GE	B.94
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1936250000	STB 21.6/45 GN	B.94
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1936250000	STB 21.6/45 GN	B.112
1936260000	STB 21.6/45 VI	B.94
1936260000	STB 21.6/45 VI	B.95
1936260000	STB 21.6/45 VI	B.104
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1936280000	STB 21.6/45 GR	B.109
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1943640000	BLZP 5.08HC/08/180 SN OR BX	A.298
1944110000	BLZP 5.08HC/04/180F SN OR BX	A.298
1944130000	BLZP 5.08HC/06/180F SN OR BX	A.298
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1948000000	BLZP 5.08HC/02/90 SN OR BX	B.144
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1948060000	BLZP 5.08HC/08/90 SN OR BX	B.144
1948110000	BLZP 5.08HC/12/90 SN OR BX	B.144
1948150000	BLZP 5.08HC/16/90 SN OR BX	B.144
1948240000	BLZP 5.08HC/02/90 SN BK BX	B.144
1948260000	BLZP 5.08HC/04/90 SN BK BX	B.144
1948300000	BLZP 5.08HC/08/90 SN BK BX	B.144
1948340000	BLZP 5.08HC/12/90 SN BK BX	B.144
1948380000	BLZP 5.08HC/16/90 SN BK BX	B.144
1949800000	BLZP 5.08HC/02/90F SN OR BX	B.145
1949820000	BLZP 5.08HC/04/90F SN OR BX	B.145
1949860000	BLZP 5.08HC/08/90F SN OR BX	B.145
1949900000	BLZP 5.08HC/12/90F SN OR BX	B.145
1949940000	BLZP 5.08HC/16/90F SN OR BX	B.145

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1950040000	BLZP 5.08HC/02/90F SN BK BX	B.145
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1950100000	BLZP 5.08HC/08/90F SN BK BX	B.145
1950140000	BLZP 5.08HC/12/90F SN BK BX	B.145
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1964830000	WZAD 70N	A.235
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1966020000	WSI 25/1 10x38	A.270
1966030000	WSI 25/3 CC	A.270
1966040000	WSI 25/2 CC	A.270
1966050000	WSI 25/1 CC	A.270
1966060000	WSI 25/1 10x38/LED	A.270
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1966080000	WSI 25/3 10x38	A.270
1966090000	WSI 25/2 10x38	A.270
1968940000	WF 12 NFF	A.333
1968950000	WF 10 NFF	A.333
1968960000	WF 8 NFF	A.332
1968990000	WF 5 NFF	A.330
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1985410000	ZQV 1.5N/2	A.7
1985410000	ZQV 1.5N/2	A.11
1985410000	ZQV 1.5N/2	A.13
1985410000	ZQV 1.5N/2	A.14
1985410000	ZQV 1.5N/2	A.15
1985410000	ZQV 1.5N/2	A.44
1985410000	ZQV 1.5N/2	A.45
1985410000	ZQV 1.5N/2	A.46
1985410000	ZQV 1.5N/2	A.47
1985410000	ZQV 1.5N/2	A.62
1985410000	ZQV 1.5N/2	A.240
1985480000	ZQV 1.5N/3	A.62
1985490000	ZQV 1.5N/4	A.62
1985500000	ZQV 1.5N/5	A.62
1985510000	ZQV 1.5N/6	A.62
1985520000	ZQV 1.5N/7	A.62
1985530000	ZQV 1.5N/2 BL	A.62
1985530000	ZQV 1.5N/2 BL	B.48
1985530000	ZQV 1.5N/2 BL	B.49
1985530000	ZQV 1.5N/2 BL	B.50
1985530000	ZQV 1.5N/2 BL	B.51
1985530000	ZQV 1.5N/2 BL	B.124
1985530000	ZQV 1.5N/2 BL	B.125
1985540000	ZQV 1.5N/8	A.62
1985550000	ZQV 1.5N/3 BL	A.62
1985560000	ZQV 1.5N/9	A.62
1985570000	ZQV 1.5N/4 BL	A.62
1985580000	ZQV 1.5N/10	A.6
1985580000	ZQV 1.5N/10	A.7
1985580000	ZQV 1.5N/10	A.11
1985580000	ZQV 1.5N/10	A.13
1985580000	ZQV 1.5N/10	A.14
1985580000	ZQV 1.5N/10	A.15
1985580000	ZQV 1.5N/10	A.44
1985580000	ZQV 1.5N/10	A.45
1985580000	ZQV 1.5N/10	A.46
1985580000	ZQV 1.5N/10	A.47
1985580000	ZQV 1.5N/10	A.62
1985580000	ZQV 1.5N/10	A.240
1985590000	ZQV 1.5N/5 BL	A.62
1985600000	ZQV 1.5N/20	A.62
1985610000	ZQV 1.5N/6 BL	A.62
1985620000	ZQV 1.5N/50	A.62
1985630000	ZQV 1.5N/7 BL	A.62
1985640000	ZQV 1.5N/8 BL	A.62
1985650000	ZQV 1.5N/2 RD	A.62
1985650000	ZQV 1.5N/2 RD	B.48
1985650000	ZQV 1.5N/2 RD	B.49
1985650000	ZQV 1.5N/2 RD	B.50
1985650000	ZQV 1.5N/2 RD	B.51
1985650000	ZQV 1.5N/2 RD	B.52
1985650000	ZQV 1.5N/2 RD	B.53
1985650000	ZQV 1.5N/2 RD	B.124
1985650000	ZQV 1.5N/2 RD	B.125
1985660000	ZQV 1.5N/9 BL	A.62
1985670000	ZQV 1.5N/3 RD	A.62
1985680000	ZQV 1.5N/10 BL	A.62
1985680000	ZQV 1.5N/10 BL	B.48
1985680000	ZQV 1.5N/10 BL	B.49
1985680000	ZQV 1.5N/10 BL	B.50
1985680000	ZQV 1.5N/10 BL	B.51
1985680000	ZQV 1.5N/10 BL	B.124
1985680000	ZQV 1.5N/10 BL	B.125
1985690000	ZQV 1.5N/4 RD	A.62
1985700000	ZQV 1.5N/20 BL	A.62
1985710000	ZQV 1.5N/5 RD	A.62
1985720000	ZQV 1.5N/50 BL	A.62
1985730000	ZQV 1.5N/6 RD	A.62
1985740000	ZQV 6N/2	A.10
1985740000	ZQV 6N/2	A.13
1985740000	ZQV 6N/2	A.63
1985750000	ZQV 1.5N/7 RD	A.62
1985760000	ZQV 6N/3	A.63
1985770000	ZQV 1.5N/8 RD	A.62
1985780000	ZQV 6N/4	A.63
1985790000	ZQV 1.5N/9 RD	A.62
1985800000	ZQV 1.5N/10 RD	A.62
1985800000	ZQV 1.5N/10 RD	B.48
1985800000	ZQV 1.5N/10 RD	B.49
1985800000	ZQV 1.5N/10 RD	B.50
1985800000	ZQV 1.5N/10 RD	B.51
1985800000	ZQV 1.5N/10 RD	B.52
1985800000	ZQV 1.5N/10 RD	B.53
1985800000	ZQV 1.5N/10 RD	B.124
1985800000	ZQV 1.5N/10 RD	B.125
1985810000	ZQV 1.5N/20 RD	A.62
1985820000	ZQV 1.5N/50 RD	A.62
1985830000	ZQV 6N/2 BL	A.63
1985840000	ZQV 6N/3 BL	A.63
1985850000	ZQV 6N/4 BL	A.63
1988100000	AAP12 2.5 LI BL	B.55
1988130000	AAP11 6 LO BL	B.48
1988140000	AAP11 6 FE	B.48
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1988170000	AAP11 1.5 LI BL	B.49
1988180000	AAP12 10 LO BL	B.54
1988190000	AAP12 10 LO RD	B.54
1988200000	AAP12 10 FE	B.54
1988230000	AAP14 2.5 LI-LI	B.57
1988240000	AAP14 10 FE-LO	B.56
1988250000	AAP14 10 LO-LO	B.56
1988260000	AAP13 6 LO-LO	B.50
1988270000	AAP13 6 FE-LO	B.50
1988280000	AAP13 1.5 LI-LI	B.51
1988290000	AAP12 2.5 LI RD	B.55
1988300000	AEP AP12	B.54
1988300000	AEP AP12	B.55
1988320000	AEP AP11	B.48
1988320000	AEP AP11	B.49
1988340000	AEP AP14	B.56
1988340000	AEP AP14	B.57
1989780000	AAP11 6 LO RD	B.48
1989800000	ADT 2.5 2C	A.34
1989800000	ADT 2.5 2C	A.38
1989810000	ADT 2.5 2C BL	A.38
1989830000	ADT 2.5 3C	A.39
1989840000	ADT 2.5 3C BL	A.39
1989860000	ADT 2.5 4C	A.40
1989870000	ADT 2.5 4C BL	A.40
1989890000	A2C 2.5 PE /DT/FS	A.34
1989890000	A2C 2.5 PE /DT/FS	A.39
1989900000	A2C 2.5 /DT/FS	A.34
1989900000	A2C 2.5 /DT/FS	A.39
1989910000	A2C 2.5 /DT/FS BL	A.39
1989930000	ADT 2.5 2C W/O DTLV	A.38
1989940000	ADT 2.5 3C W/O DTLV	A.40
1989950000	ADT 2.5 4C W/O DTLV	A.41
1989970000	AEP DT 2.5 3C	A.39
1989970000	AEP DT 2.5 3C	A.40
1989980000	AEP DT 2.5 4C	A.40
1989980000	AEP DT 2.5 4C	A.41

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1990140000	AEP AP13	B.50
1990140000	AEP AP13	B.51
1991780000	ALO 6	A.11
1991790000	A2C 6 BL	A.10
1991790000	A2C 6 BL	A.66
1991800000	A2C 6 OR	A.66
1991810000	A2C 6 PE	A.26
1991820000	A3C 6	A.10
1991820000	A3C 6	A.66
1991830000	A3C 6 BL	A.10
1991830000	A3C 6 BL	A.66
1991840000	A3C 6 OR	A.66
1991850000	A3C 6 PE	A.27
1991860000	ATPG 4 MI-R	A.8
1991860000	ATPG 4 MI-R	A.9
1991860000	ATPG 4 MI-R	A.25
1991860000	ATPG 4 MI-R	A.26
1991860000	ATPG 4 MI-R	A.41
1991860000	ATPG 4 MI-R	A.65
1991870000	ATPG 10 MI-R	A.12
1991870000	ATPG 10 MI-R	A.65
1991880000	ATPG 1.5 MI-R	A.6
1991880000	ATPG 1.5 MI-R	A.7
1991880000	ATPG 1.5 MI-R	A.14
1991880000	ATPG 1.5 MI-R	A.15
1991880000	ATPG 1.5 MI-R	A.22
1991880000	ATPG 1.5 MI-R	A.23
1991880000	ATPG 1.5 MI-R	A.29
1991880000	ATPG 1.5 MI-R	A.65
1991880000	ATPG 1.5 MI-R	B.124
1991880000	ATPG 1.5 MI-R	B.125
1991890000	ATPG 1.5-10 L	A.6
1991890000	ATPG 1.5-10 L	A.7
1991890000	ATPG 1.5-10 L	A.8
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1991890000	ATPG 1.5-10 L	A.16
1991890000	ATPG 1.5-10 L	A.17
1991890000	ATPG 1.5-10 L	A.18
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1991890000	ATPG 1.5-10 L	A.27
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1991890000	ATPG 1.5-10 L	A.40
1991890000	ATPG 1.5-10 L	A.41
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1991890000	ATPG 1.5-10 L	B.54
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1991890000	ATPG 1.5-10 L	B.56
1991890000	ATPG 1.5-10 L	B.62
1991890000	ATPG 1.5-10 L	B.63
1991890000	ATPG 1.5-10 L	B.124
1991890000	ATPG 1.5-10 L	B.125
1991910000	AEP 3C 6 BL	A.10
1991920000	AEB 35 SC/1	A.6
1991920000	AEB 35 SC/1	A.7
1991920000	AEB 35 SC/1	A.8
1991920000	AEB 35 SC/1	A.9
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1991920000	AEB 35 SC/1	A.11
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1991920000	AEB 35 SC/1	A.13
1991920000	AEB 35 SC/1	A.14
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1991920000	AEB 35 SC/1	B.53
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1991920000	AEB 35 SC/1	B.67
1991920000	AEB 35 SC/1	B.94
1991920000	AEB 35 SC/1	B.124
1991920000	AEB 35 SC/1	B.125

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1991930000	ATPG 6 MI-R	A.27
1991930000	ATPG 6 MI-R	A.65
1991940000	AEP 3C 6	A.10
1991940000	AEP 3C 6	A.27
1991950000	AEP 2C 6 BL	A.10
1991960000	ATPG 2.5 MI-R	A.7
1991960000	ATPG 2.5 MI-R	A.8
1991960000	ATPG 2.5 MI-R	A.16
1991960000	ATPG 2.5 MI-R	A.17
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1991960000	ATPG 2.5 MI-R	A.19
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1991960000	ATPG 2.5 MI-R	A.24
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1991960000	ATPG 2.5 MI-R	A.39
1991960000	ATPG 2.5 MI-R	A.40
1991960000	ATPG 2.5 MI-R	A.41
1991960000	ATPG 2.5 MI-R	A.65
1991970000	AEP 2C 6	A.10
1991970000	AEP 2C 6	A.26
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1992110000	A2C 6	A.66
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1992230000	AIO22 1.5 SI-PE	B.125
1992240000	AIO21 1.5 SO	B.124
1992250000	AIO21 1.5 SO-PE	B.125
1992260000	AIO21 1.5 SI	B.124
1993580000	AEP IO21	B.124
1993580000	AEP IO21	B.125
1993590000	AEP IO22	B.125
1993600000	AEP IO23	B.125

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2000060000	WDU 35 GE/SW	B.167
2000080000	WDU 50N GE/SW	B.167
2000090000	WDU 35N GE/SW	B.167
2000100000	WDU 70N/35 GE/SW	B.168
2000110000	WDU 95N/120N GE/SW	B.168
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2003120000	A3C 2.5 LTGY	A.66
2003130000	A4C 2.5 LTGY	A.66
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2007160000	WS 8/6 MM WS	A.116
2007160000	WS 8/6 MM WS	A.131
2007160000	WS 8/6 MM WS	A.132
2007160000	WS 8/6 MM WS	A.139
2007160000	WS 8/6 MM WS	A.140
2007160000	WS 8/6 MM WS	A.145
2007160000	WS 8/6 MM WS	A.146
2007160000	WS 8/6 MM WS	A.151
2007160000	WS 8/6 MM WS	A.178
2007160000	WS 8/6 MM WS	A.181
2007160000	WS 8/6 MM WS	A.202
2007160000	WS 8/6 MM WS	A.203
2007160000	WS 8/6 MM WS	A.223
2007160000	WS 8/6 MM WS	A.224
2007160000	WS 8/6 MM WS	A.243
2007160000	WS 8/6 MM WS	A.251
2007160000	WS 8/6 MM WS	A.252
2007160000	WS 8/6 MM WS	A.274
2007160000	WS 8/6 MM WS	A.275
2007160000	WS 8/6 MM WS	A.281
2007160000	WS 8/6 MM WS	A.282
2007160000	WS 8/6 MM WS	A.283
2007160000	WS 8/6 MM WS	A.284
2007160000	WS 8/6 MM WS	A.285
2007160000	WS 8/6 MM WS	A.294
2007160000	WS 8/6 MM WS	A.300
2007160000	WS 8/6 MM WS	B.63
2007160000	WS 8/6 MM WS	B.64
2007160000	WS 8/6 MM WS	B.67
2007160000	WS 8/6 MM WS	B.165
2007170000	WS 8/8 MM WS	A.71
2007170000	WS 8/8 MM WS	A.72
2007170000	WS 8/8 MM WS	A.79
2007170000	WS 8/8 MM WS	A.80
2007170000	WS 8/8 MM WS	A.109
2007170000	WS 8/8 MM WS	A.117
2007170000	WS 8/8 MM WS	A.141
2007170000	WS 8/8 MM WS	A.146
2007170000	WS 8/8 MM WS	A.147
2007170000	WS 8/8 MM WS	A.226
2007170000	WS 8/8 MM WS	A.227
2007170000	WS 8/8 MM WS	A.262
2007170000	WS 8/8 MM WS	A.263
2007170000	WS 8/8 MM WS	A.268

2010000000

2012420000	STB 14/D6/4/M3 SAK10	B.95
2012420000	STB 14/D6/4/M3 SAK10	B.105
2012420000	STB 14/D6/4/M3 SAK10	B.106
2012420000	STB 14/D6/4/M3 SAK10	B.107

2030000000

2035590000	MCV APG 2.5	A.52
2035590000	MCV APG 2.5	A.54

2040000000

2041180000	ATPG 2.5/5	A.7
2041180000	ATPG 2.5/5	A.8
2041180000	ATPG 2.5/5	A.16
2041180000	ATPG 2.5/5	A.17
2041180000	ATPG 2.5/5	A.18
2041180000	ATPG 2.5/5	A.19
2041180000	ATPG 2.5/5	A.23
2041180000	ATPG 2.5/5	A.24
2041180000	ATPG 2.5/5	A.38
2041180000	ATPG 2.5/5	A.39
2041180000	ATPG 2.5/5	A.40
2041180000	ATPG 2.5/5	A.41
2041180000	ATPG 2.5/5	A.65
2041190000	ATPG 2.5/3	A.7
2041190000	ATPG 2.5/3	A.8
2041190000	ATPG 2.5/3	A.16
2041190000	ATPG 2.5/3	A.17
2041190000	ATPG 2.5/3	A.18
2041190000	ATPG 2.5/3	A.19
2041190000	ATPG 2.5/3	A.23
2041190000	ATPG 2.5/3	A.24
2041190000	ATPG 2.5/3	A.38
2041190000	ATPG 2.5/3	A.39
2041190000	ATPG 2.5/3	A.40
2041190000	ATPG 2.5/3	A.41
2041190000	ATPG 2.5/3	A.65

2050000000

2051180000	A2C 4	A.8
2051180000	A2C 4	A.66
2051210000	A2C 4 BL	A.8
2051210000	A2C 4 BL	A.66
2051220000	A2C 4 RD	A.66
2051230000	A2C 4 OR	A.66
2051240000	A3C 4	A.9
2051240000	A3C 4	A.35
2051240000	A3C 4	A.66
2051250000	A2C 4 YL	A.66
2051260000	A2C 4 GN	A.66
2051280000	A3C 4 BL	A.9
2051280000	A3C 4 BL	A.66
2051290000	A2C 4 WT	A.66
2051300000	A3C 4 RD	A.66
2051310000	A2C 4 BK	A.66
2051320000	A3C 4 OR	A.66
2051330000	A2C 4 LTGY	A.66
2051340000	A3C 4 YL	A.66
2051350000	A3C 4 GN	A.66
2051360000	A2C 4 PE	A.25
2051370000	A3C 4 WT	A.66
2051400000	A3C 4 BK	A.66
2051410000	A3C 4 PE	A.25
2051410000	A3C 4 PE	A.35
2051460000	A3C 4 LTGY	A.66
2051500000	A4C 4	A.9
2051500000	A4C 4	A.66
2051520000	A4C 4 BL	A.9
2051520000	A4C 4 BL	A.66
2051530000	A4C 4 RD	A.66
2051540000	A4C 4 OR	A.66
2051550000	A4C 4 YL	A.66
2051560000	A4C 4 PE	A.26
2051580000	A4C 4 GN	A.66
2051610000	A4C 4 WT	A.66
2051660000	A4C 4 BK	A.66
2051670000	A4C 4 LTGY	A.66
2051680000	AEP 2C 4	A.8
2051680000	AEP 2C 4	A.25
2051690000	AEP 2C 4 BL	A.8
2051720000	AEP 3C 4	A.9
2051720000	AEP 3C 4	A.25
2051880000	AEP 3C 4 BL	A.9
2051900000	AEP 4C 4	A.9
2051900000	AEP 4C 4	A.26
2051900000	AEP 4C 4	A.41
2051910000	AEP 4C 4 BL	A.9
2051910000	AEP 4C 4 BL	A.41

2060000000

2062900000	PDU 16S BL	B.172
2065120000	ALO 6 BL	A.11

2080000000

2080360000	AMG ELM-6	B.75
2080410000	AMG ELM-12	B.76
2080420000	AMG ELM-1F	B.72
2080480000	AMG ELM-2F	B.72
2080490000	AMG ELM-4F	B.72
2080500000	AMG ELM-6F	B.72
2080600000	AMG ELM-8F	B.73
2080650000	AMG ELM-10F	B.73
2080750000	AMG ELM-Q2222	B.78
2080880000	AMG ELM-Q4444	B.78
2080920000	AMG ELM-Q6666	B.78
2081650000	AMG ELM-Q2244	B.78
2081820000	AMG ELM-Q2266	B.78
2081870000	AMG FIM-0	B.70
2081880000	AMG FIM-C	B.71
2081890000	AMG AM	B.79
2081900000	AMG CM	B.80
2082000000	AMG ELM-6 EX	B.86
2082010000	AMG ELM-12 EX	B.87
2082040000	AMG ELM-1F EX	B.84
2082050000	AMG ELM-2F EX	B.84
2082060000	AMG ELM-4F EX	B.84
2082310000	AMG ELM-6F EX	B.84
2082320000	AMG ELM-8F EX	B.85
2082430000	AMG ELM-10F EX	B.85
2082440000	AMG ELM-6D CO	B.77
2082470000	AMG ELM-10D CO	B.77
2082530000	AMG FIM-0 EX	B.82
2082540000	AMG FIM-C EX	B.83
2082770000	AMG AM CO	B.88
2083360000	AMG CM EX	B.89

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2108470000	ZQV 2.5N/2 RD	A.62
2108470000	ZQV 2.5N/2 RD	A.314
2108470000	ZQV 2.5N/2 RD	B.54
2108470000	ZQV 2.5N/2 RD	B.55
2108470000	ZQV 2.5N/2 RD	B.56
2108470000	ZQV 2.5N/2 RD	B.57
2108470000	ZQV 2.5N/2 RD	B.58
2108470000	ZQV 2.5N/2 RD	B.59
2108690000	ZQV 2.5N/3 RD	A.62
2108690000	ZQV 2.5N/3 RD	A.314
2108700000	ZQV 2.5N/4 RD	A.62
2108700000	ZQV 2.5N/4 RD	A.314
2108710000	ZQV 2.5N/5 RD	A.62
2108710000	ZQV 2.5N/5 RD	A.314
2108720000	ZQV 2.5N/6 RD	A.62
2108720000	ZQV 2.5N/6 RD	A.314
2108810000	ZQV 2.5N/7 RD	A.62
2108810000	ZQV 2.5N/7 RD	A.314
2108870000	ZQV 2.5N/8 RD	A.62
2108870000	ZQV 2.5N/8 RD	A.314
2108900000	ZQV 2.5N/9 RD	A.62
2108900000	ZQV 2.5N/9 RD	A.314
2108910000	ZQV 2.5N/10 RD	A.62
2108910000	ZQV 2.5N/10 RD	A.314
2108910000	ZQV 2.5N/10 RD	B.54
2108910000	ZQV 2.5N/10 RD	B.55
2108910000	ZQV 2.5N/10 RD	B.56
2108910000	ZQV 2.5N/10 RD	B.57
2108910000	ZQV 2.5N/10 RD	B.58
2108910000	ZQV 2.5N/10 RD	B.59
2108920000	ZQV 2.5N/20 RD	A.62
2108920000	ZQV 2.5N/20 RD	A.314
2109000000	ZQV 2.5N/50 RD	A.62

2120000000

2122910000	AMG OD	B.72
2122910000	AMG OD	B.73
2122910000	AMG OD	B.75
2122910000	AMG OD	B.76
2122910000	AMG OD	B.77
2122910000	AMG OD	B.81
2122910000	AMG OD	B.84
2122910000	AMG OD	B.85
2122910000	AMG OD	B.86
2122910000	AMG OD	B.87
2122920000	AMG PD	B.72
2122920000	AMG PD	B.73
2122920000	AMG PD	B.75
2122920000	AMG PD	B.76
2122920000	AMG PD	B.77
2122920000	AMG PD	B.81
2122920000	AMG PD	B.84
2122920000	AMG PD	B.85
2122920000	AMG PD	B.86
2122920000	AMG PD	B.87
2122930000	AMG MD	B.72
2122930000	AMG MD	B.73
2122930000	AMG MD	B.75
2122930000	AMG MD	B.76
2122930000	AMG MD	B.77
2122930000	AMG MD	B.81
2122930000	AMG MD	B.84
2122930000	AMG MD	B.85
2122930000	AMG MD	B.86
2122930000	AMG MD	B.87
2122940000	AMG XMD	B.78
2122940000	AMG XMD	B.81
2123000000	AMG PP	B.91
2123050000	AMG DIS	B.72
2123050000	AMG DIS	B.73
2123050000	AMG DIS	B.75
2123050000	AMG DIS	B.76
2123050000	AMG DIS	B.77
2123050000	AMG DIS	B.81
2123050000	AMG DIS	B.84
2123050000	AMG DIS	B.85
2123050000	AMG DIS	B.86
2123050000	AMG DIS	B.87

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2269800000	KLBUE 4-6 Z/1	B.158

2330000000

2334730000	ADHB/8 WTL35	B.120

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2428510000	A3T 2.5	A.18
2428520000	A3T 2.5 BL	A.18
2428530000	A3T 2.5 FT-FT-PE	A.19
2428540000	A3T 2.5 VL	A.19
2428550000	A3T 2.5 PE	A.30
2428560000	AEP 3T 2.5	A.18
2428560000	AEP 3T 2.5	A.19
2428560000	AEP 3T 2.5	A.30
2428840000	A3T 2.5 N-FT-PE	A.19
2428850000	A3T 2.5 VL BL	A.19
2428860000	AEP 3T 2.5 BL	A.18
2428860000	AEP 3T 2.5 BL	A.19
2428910000	AAP21 10 LO RD	B.62
2428920000	AAP21 10 FE	B.62
2428930000	AAP21 4 LI RD	B.63
2428940000	AAP21 10 LO BL	B.62
2428950000	AAP21 4 FS	B.64
2428960000	AAP21 4 LI BL	B.63
2428980000	AAP21 4 DT	B.64
2428990000	AAP22 10 LO-LO	B.66
2429000000	AAP22 10 FE-LO	B.66
2429010000	AAP22 4 LI-FS	B.67
2429020000	AEP AP21	B.62
2429020000	AEP AP21	B.63
2429020000	AEP AP21	B.64
2429040000	AEP AP22	B.66
2429040000	AEP AP22	B.67
2429520000	WDU 2.5 GE/SW	B.165
2429850000	ADT 4 2C	A.41
2429860000	AFS 4 2C BK	A.35
2429870000	AFS 4 2C 10-36V BK	A.35
2429880000	ADT 4 2C BL	A.41

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2433820000	AEP MC 2.5	A.20
2433820000	AEP MC 2.5	B.44
2434340000	AMC 2.5	A.20
2434340000	AMC 2.5	B.44
2434350000	AFS 4 2C 30-70V BK	A.35
2434370000	AMC 2.5 800V	A.20
2434370000	AMC 2.5 800V	B.44
2434380000	AFS 4 2C 60-150V BK	A.35
2434390000	AFS 4 2C 100-250V BK	A.35
2436360000	WTR 4/ZZ STB/0.TNHE	A.282
2436380000	WTR 4/0.TNHE	A.281
2436390000	WTR 4 STB/0.TNHE	A.281
2436400000	WTR 4/ZR/0.TNHE	A.283
2436410000	WTR 4/ZR STB/0.TNHE	A.283
2436420000	WTR 4/ZZ/0.TNHE	A.282

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2445070000	WAD 12 MC NE WS	A.230
2445090000	WAD 12 MC B GE/SW	A.230
2448860000	DEK-A 5/8 MM WS	A.10

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2448860000	DEK-A 5/8 MM WS	B.48
2448860000	DEK-A 5/8 MM WS	B.49
2448860000	DEK-A 5/8 MM WS	B.50
2448930000	WS-A 8/8 MM WS	A.10
2448930000	WS-A 8/8 MM WS	A.26
2448930000	WS-A 8/8 MM WS	A.27
2448930000	WS-A 8/8 MM WS	B.48
2448930000	WS-A 8/8 MM WS	B.49
2448930000	WS-A 8/8 MM WS	B.50
2449680000	ZP 4/1AN ZA 0.RA BL	A.192

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2457570000	APGLE 2.5	A.52
2457570000	APGLE 2.5	A.55
2457570000	APGLE 2.5	A.290
2457570000	APGLE 2.5	A.291
2457570000	APGLE 2.5	A.292
2457580000	APGSR 2.5	A.52
2457580000	APGSR 2.5	A.55
2457580000	APGSR 2.5	A.290
2457580000	APGSR 2.5	A.291
2457580000	APGSR 2.5	A.293
2457590000	APGSR 2.5/4	A.52
2457590000	APGSR 2.5/4	A.55
2457590000	APGSR 2.5/4	A.293
2457600000	APGSR 2.5/8	A.52
2457600000	APGSR 2.5/8	A.55
2457600000	APGSR 2.5/8	A.293
2458990000	AAP21 4 FS 10-36V	B.64
2459010000	AAP22 4 LI-FS 10-36V	B.67

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2460120000	AAP22 4 LI-FS 100-250V	B.67
2460130000	AAP22 4 LI-FS 60-150V	B.67
2460140000	AAP22 4 LI-FS 30-70V	B.67
2460180000	AAP21 4 FS 100-250V	B.64
2460190000	AAP21 4 FS 60-150V	B.64
2460200000	AAP21 4 FS 30-70V	B.64
2460450000	ZQV 4N/2 RD	A.62
2460450000	ZQV 4N/2 RD	A.314
2460450000	ZQV 4N/2 RD	B.62
2460450000	ZQV 4N/2 RD	B.63
2460450000	ZQV 4N/2 RD	B.64
2460450000	ZQV 4N/2 RD	B.66
2460450000	ZQV 4N/2 RD	B.67
2460450000	ZQV 4N/2 RD	B.79
2460450000	ZQV 4N/2 RD	B.80
2460450000	ZQV 4N/2 RD	B.81
2460450000	ZQV 4N/2 RD	B.88
2460450000	ZQV 4N/2 RD	B.89
2460450000	ZQV 4N/2 RD	B.90
2460450000	ZQV 4N/2 RD	B.91
2460730000	ZQV 4N/50 RD	B.79
2460730000	ZQV 4N/50 RD	B.80
2460730000	ZQV 4N/50 RD	B.81
2460730000	ZQV 4N/50 RD	B.88
2460730000	ZQV 4N/50 RD	B.89
2460730000	ZQV 4N/50 RD	B.90
2460730000	ZQV 4N/50 RD	B.91
2460740000	ZQV 4N/10 RD	A.62
2460740000	ZQV 4N/10 RD	A.314
2460740000	ZQV 4N/10 RD	B.62
2460740000	ZQV 4N/10 RD	B.63
2460740000	ZQV 4N/10 RD	B.64
2460740000	ZQV 4N/10 RD	B.66
2460740000	ZQV 4N/10 RD	B.67
2460740000	ZQV 4N/10 RD	B.91
2460750000	ZQV 4N/9 RD	A.62
2460750000	ZQV 4N/9 RD	A.314
2460750000	ZQV 4N/9 RD	B.91
2460760000	ZQV 4N/8 RD	A.62
2460760000	ZQV 4N/8 RD	A.314
2460760000	ZQV 4N/8 RD	B.91
2460770000	ZQV 4N/7 RD	A.62
2460770000	ZQV 4N/7 RD	A.314
2460770000	ZQV 4N/7 RD	B.91
2460780000	ZQV 4N/6 RD	A.62
2460780000	ZQV 4N/6 RD	A.314
2460780000	ZQV 4N/6 RD	B.91
2460790000	ZQV 4N/5 RD	A.62
2460790000	ZQV 4N/5 RD	A.314
2460790000	ZQV 4N/5 RD	B.91
2460800000	ZQV 4N/4 RD	A.62
2460800000	ZQV 4N/4 RD	A.314
2460800000	ZQV 4N/4 RD	B.91
2460810000	ZQV 4N/3 RD	A.62
2460810000	ZQV 4N/3 RD	A.314
2460810000	ZQV 4N/3 RD	B.91
2462540000	WQV 70N-35	A.320
2466530000	AFS 2.5 CF 2C BK	A.34
2466600000	AFS 2.5 CF 2C 24V BK	A.34
2466610000	AFS 2.5 CF 2C 12V BK	A.34
2469360000	WSI 25 10X85 1.5KV	A.271
2469370000	A2T 1.5	A.14
2469390000	A2T 1.5 FT-PE	A.15

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2469400000	A2T 1.5 VL	A.14
2469410000	A2T 1.5 PE	A.29
2469420000	AEP 2T 1.5	A.14
2469420000	AEP 2T 1.5	A.15
2469420000	AEP 2T 1.5	A.29
2469420000	AEP 2T 1.5	A.46
2469420000	AEP 2T 1.5	A.47

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2471430000	A2T 1.5 BL	A.14
2471450000	A2T 1.5 VL BL	A.14
2471470000	AEP 2T 1.5 BL	A.14
2471470000	AEP 2T 1.5 BL	A.15
2471470000	AEP 2T 1.5 BL	A.46
2471470000	AEP 2T 1.5 BL	A.47

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2482160000	APGTB 1.5 FT 2C/1	A.44
2482170000	APGTB 1.5 FT 2C/1 BL	A.44
2482180000	APGTB 1.5 FT 3C/1	A.45
2482190000	APGTB 1.5 FT 3C/1 BL	A.45
2482200000	APGTB 1.5 FT 4C/2	A.45
2482210000	APGTB 1.5 FT 4C/2 BL	A.45
2482220000	APGTB 1.5 PE 2C/1	A.44
2482230000	APGTB 1.5 PE 3C/1	A.45
2482240000	APGTB 1.5 PE 4C/2	A.46
2482250000	APG 1.5 L	A.44
2482250000	APG 1.5 L	A.45
2482250000	APG 1.5 L	A.46
2482250000	APG 1.5 L	A.47
2482250000	APG 1.5 L	A.54
2482260000	APG 1.5 L BL	A.54
2482270000	APG 1.5 L GN	A.54
2482280000	APG 1.5 MI	A.44
2482280000	APG 1.5 MI	A.45
2482280000	APG 1.5 MI	A.46
2482280000	APG 1.5 MI	A.47
2482280000	APG 1.5 MI	A.54
2482290000	APG 1.5 MI BL	A.54
2482300000	APG 1.5 MI GN	A.54
2482310000	APG 1.5 R	A.44
2482310000	APG 1.5 R	A.45
2482310000	APG 1.5 R	A.46
2482310000	APG 1.5 R	A.47
2482310000	APG 1.5 R	A.54
2482320000	APG 1.5 R BL	A.54
2482330000	APG 1.5 R GN	A.54
2482340000	APG 1.5/1	A.44
2482340000	APG 1.5/1	A.45
2482340000	APG 1.5/1	A.46
2482340000	APG 1.5/1	A.47
2482340000	APG 1.5/1	A.52
2482350000	APG 1.5/2	A.52
2482360000	APG 1.5/3	A.52
2482370000	APG 1.5/4	A.52
2482380000	APG 1.5/5	A.52
2482390000	APG 1.5/6	A.52
2482400000	APG 1.5/7	A.52
2482410000	APG 1.5/8	A.52
2482420000	APG 1.5/9	A.52
2482430000	APG 1.5/10	A.44
2482430000	APG 1.5/10	A.45
2482430000	APG 1.5/10	A.46
2482430000	APG 1.5/10	A.47
2482430000	APG 1.5/10	A.52
2482440000	APG 1.5/5-3BG-BL-GN	A.52
2482450000	APG 1.5/4-3BG-GN	A.52
2482460000	APG 1.5/3-BG-BL-GN	A.52
2482510000	AEP PGTB 1.5 4C/2	A.45
2482510000	AEP PGTB 1.5 4C/2	A.46
2482520000	AEP PGTB 1.5 4C/2 BL	A.45
2482530000	APGPC 1.5	A.52
2482530000	APGPC 1.5	A.55
2482720000	APGLE 1.5	A.52
2482720000	APGLE 1.5	A.55
2482730000	APGSR 1.5	A.52
2482730000	APGSR 1.5	A.55
2482740000	APGSR 1.5/4	A.52
2482740000	APGSR 1.5/4	A.55
2482750000	APGSR 1.5/8	A.52
2482750000	APGSR 1.5/8	A.55
2485840000	APGTB 1.5 2T 4C/2	A.46
2485850000	APGTB 1.5 2T 4C/2 BL	A.46
2485860000	APGTB 1.5 2T FT-PE 4C/2	A.47
2485870000	APGTB 1.5 2T PE 4C/2	A.47
2485920000	APGTB 1.5 2T VL 4C/2	A.47
2485930000	APGTB 1.5 2T VL 4C/2 BL	A.47
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7921590000	SIHA 3/G20/LD 60-150V	A.95
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7921600000	SIHA 3/G20/LD 140-250V	A.281
7921600000	SIHA 3/G20/LD 140-250V	A.282
7921600000	SIHA 3/G20/LD 140-250V	A.283
7921600000	SIHA 3/G20/LD 140-250V	A.288
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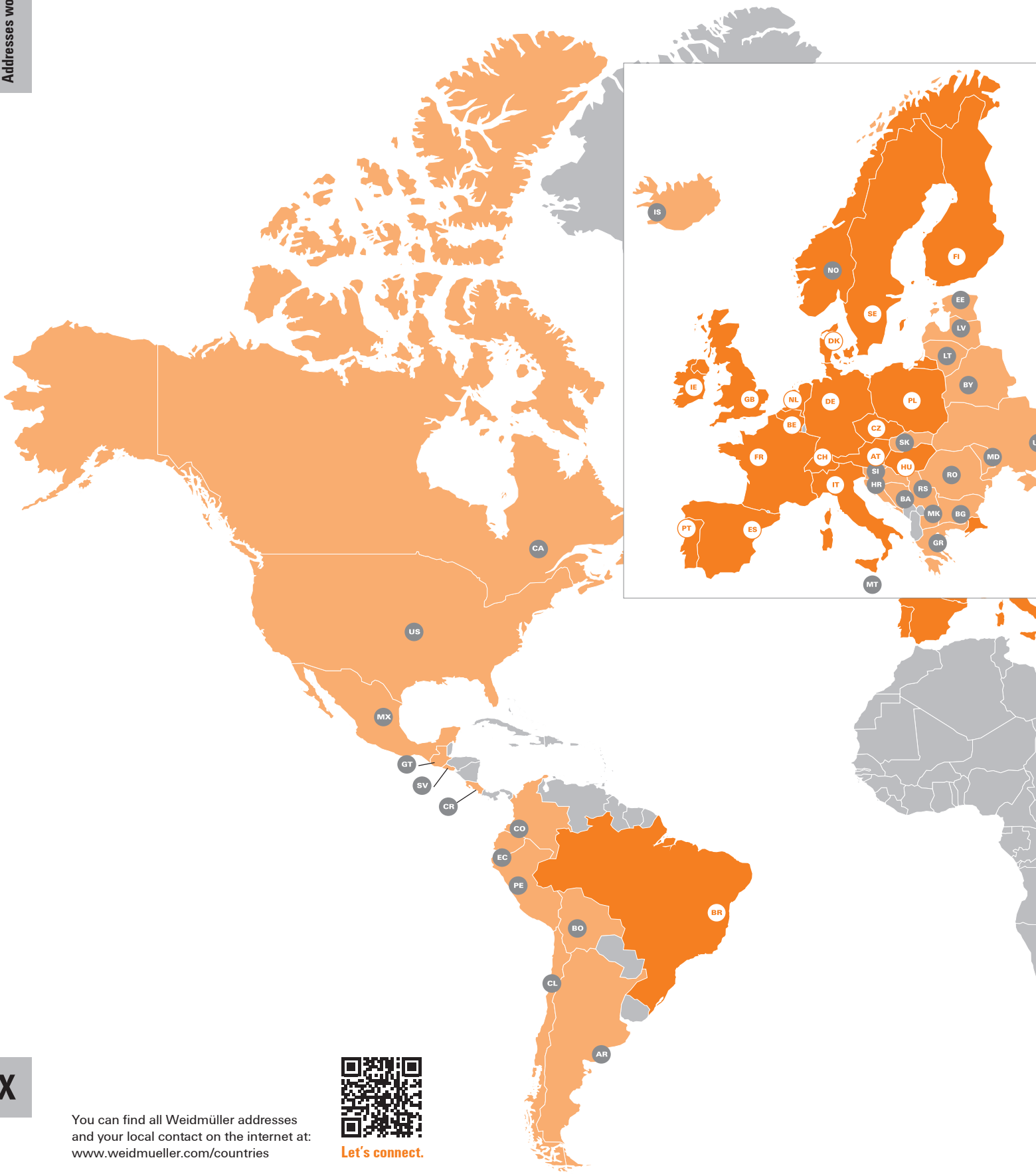

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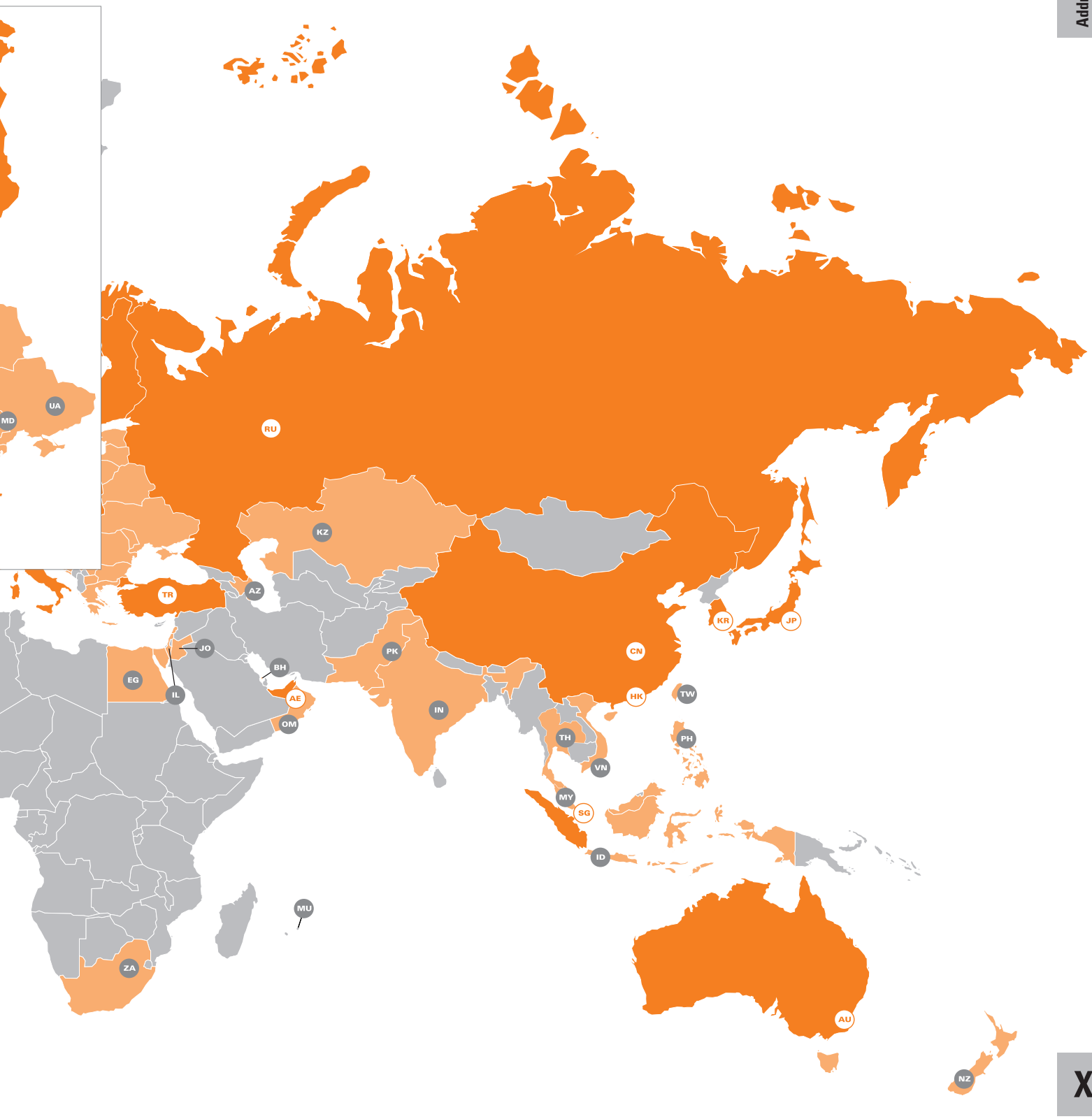
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