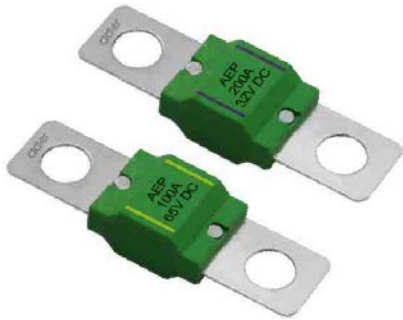


AEP EV Fuse



DESCRIPTION

Adler AEP series EV fuses are specially engineered and tested to provide best-in-class auxiliary protection and high-performance protection in managing systems of Electrical and Hybrid Electrical Vehicles with up to 32 / 65 Vdc in ratings from 20 – 200 A. The AEP was specially built from the ground up to meet the stringent requirements and standards of the electric vehicle industry.

FEATURES

- 65 Vdc / 32 Vdc automotive fuse
- Rated Current: 20-200 A
- Operating Temperature: -40 to 125 degrees C
- Breaking Capacity: 1.0 kA at 65 Vdc (20-125A)
1.5 kA at 32 Vdc (20-200A)
- Installation Method: M5/M6 bolt installation
- Torque: M5:2.5±0.5N·m ; M6: 2.5±0.5N·m
- Recommended fuse holder: BHR030-15-M5

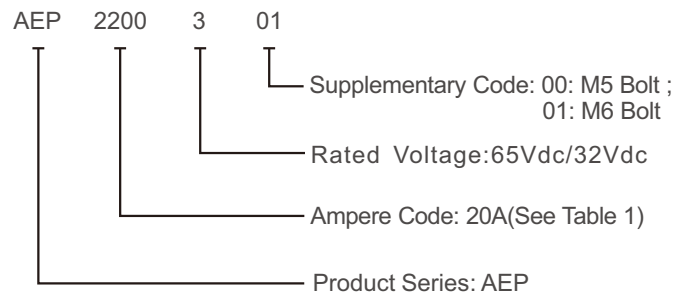
AGENCY INFORMATION

- Designed to ISO 8820-5; UL 248
- TUV certified (20 A ~ 200 A), UL certified
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

- Battery pack protection
- Traction inverter protection
- Energy storage
- Power conversion
- High voltage power distribution
- Battery disconnect unit
- Primary Fuse
- Charging Fuse
- Auxiliary Fuses

PART NUMBER SYSTEM

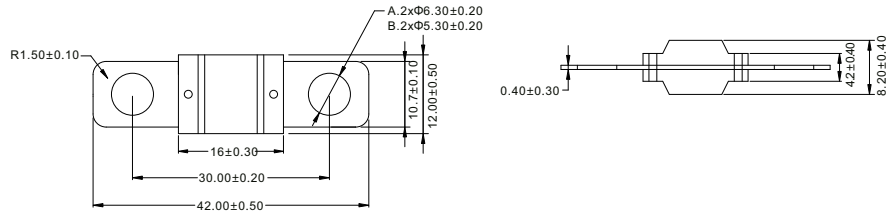


ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Breaking Capacity	Certifications		
					TÜV	UL	
AEP2200300	AEP2200301	20 A	2200	32/65 Vdc	1 kA@65 Vdc 1.5 kA@32 Vdc	•	•
AEP2300300	AEP2300301	30 A	2300			•	•
AEP2400300	AEP2400301	40 A	2400			•	•
AEP2500300	AEP2500301	50 A	2500			•	•
AEP2600300	AEP2600301	60 A	2600			•	•
AEP2700300	AEP2700301	70 A	2700			•	•
AEP2800300	AEP2800301	80 A	2800			•	•
AEP3100300	AEP3100301	100 A	3100			•	•
AEP3125300	AEP3125301	125 A	3125	32 Vdc	1.5 kA@32 Vdc	•	•
-	AEP3150301	150 A	3150			•	•
-	AEP3175301	175 A	3175			•	•
-	AEP3200301	200 A	3200			•	•

Table1 Note: 1.●=Certification obtained. UL File number:E585737
2.Temperature rise: <50 K.

DIMENSIONS (mm)



TIME VS CURRENT CHARACTERISTIC

Rated Current	75 %	100 %	110 %	150 %	200 %	300 %	350 %	500 %	600 %
20-125 A	-	> 100 h	> 4 h	90-3600 s	3-100 s	0.3-3 s	-	0.1-1 s	-
150 A-200 A	> 100 h	-	-	-	1-15 s	-	0.3-5 s	-	0.1-1 s

TIME CURRENT CURVE

TIME CURRENT CURVE

