

AE6-V EV Fuse

RoHS


DESCRIPTION

Adler AE6-V 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 1000 Vdc in ratings from 10 - 60A the AE6-V series was specially built from the ground up to meet the stringent requirements and standards of the electric vehicle industry.

FEATURES

- 1000 Vdc automotive fuse
- Rated Current: 10-60 A
- Max. BC: 50 kA@1000 Vdc
- Min. BC: 2In@1000 Vdc
- Time Constant: 2 ± 0.5 ms
- Size: 22x65 mm

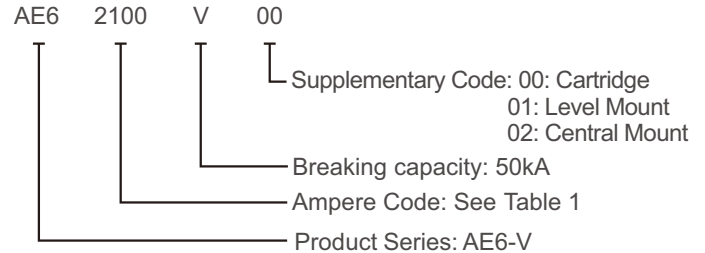
AGENCY INFORMATION

- Designed to UL248-20, ISO 8820-8
- 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

PART NUMBER SYSTEM



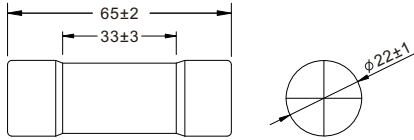
ELECTRICAL SPECIFICATIONS

Part Number			Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	I ² t (A ² s)		Dissipation (W)	
Cartridge	Level Mount	Central Mount					Pre-Arcing	Total	0.7 In	1 In
AE62100V00	AE62100V01	AE62100V02	10A	2100	1000 Vdc	50kA@1000 Vdc	280	750	1.5	3.5
AE62120V00	AE62120V01	AE62120V02	12A	2120			430	870	1.6	3.6
AE62150V00	AE62150V01	AE62150V02	15A	2150			560	1080	1.7	3.7
AE62200V00	AE62200V01	AE62200V02	20A	2200			990	2270	2	4.3
AE62250V00	AE62250V01	AE62250V02	25A	2250			1250	3160	2.1	4.5
AE62300V00	AE62300V01	AE62300V02	30A	2300			1710	4450	2.4	5.3
AE62350V00	AE62350V01	AE62350V02	35A	2350			3210	8360	2.6	5.9
AE62400V00	AE62400V01	AE62400V02	40A	2400			5360	12.2K	2.1	6.5
AE62450V00	AE62450V01	AE62450V02	45A	2450			7650	14.1K	2.6	8.3
AE62500V00	AE62500V01	AE62500V02	50A	2500			9530	16.5K	2.7	8.5
AE62600V00	AE62600V01	AE62600V02	60A	2600			13.0K	20.8K	2	9

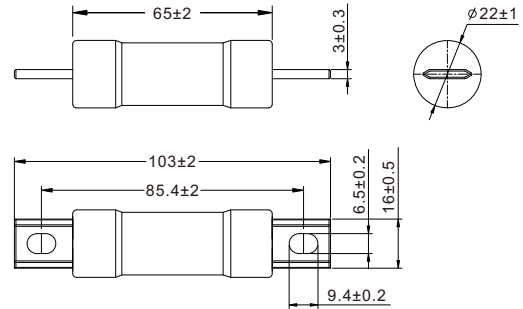
Table1 Note: (1) Temperature rise: <50 K.

DIMENSIONS (mm):

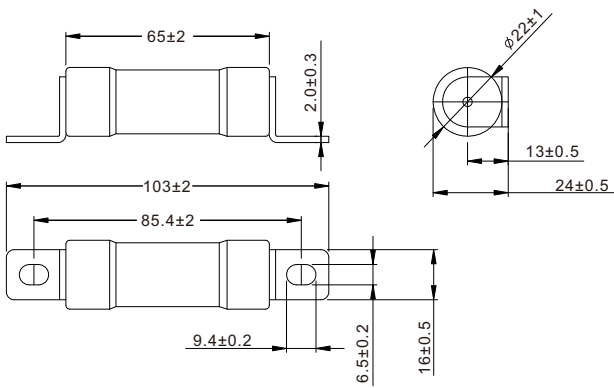
AE6xxxxV00



AE6xxxxV02



AE6xxxxV01



TIME VS CURRENT CHARACTERISTIC

Rated Current	110 %	135 %	150 %	200 %	300 %	500 %
10-60 A	>4 h	<1 h	10-1000 s	0.5-100 s	0.1-15 s	0.05-1 s

TIME CURRENT CURVE

