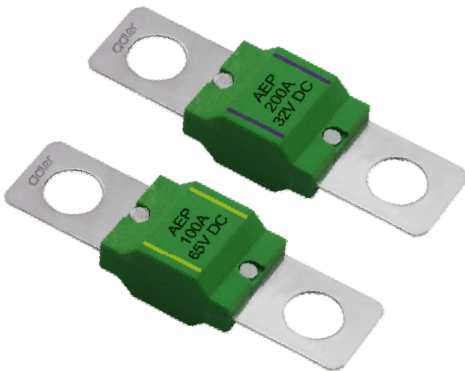


AEP EV Fuse



DESCRIPTION

Adler AEP series EV fuses are specially engineered and tested to provide best-in-class protection performance in protecting high power battery charging and managing systems of Electrical Vehicles and Hybrid Electrical Vehicles, up to 65 VDC / 32 VDC In ratings from 20A to 200A.

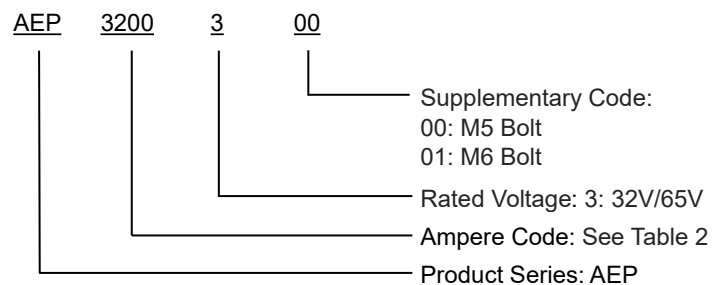
AGENCY INFORMATION

- Ref. to ISO 8820-5 ; UL 248
- Approval: TÜV & UL
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

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/M6: 4.5±1N·m
- Recommended fuse holder: BHR030-15-M5

PART NUMBERING SYSTEM



DIMENSIONS (mm)

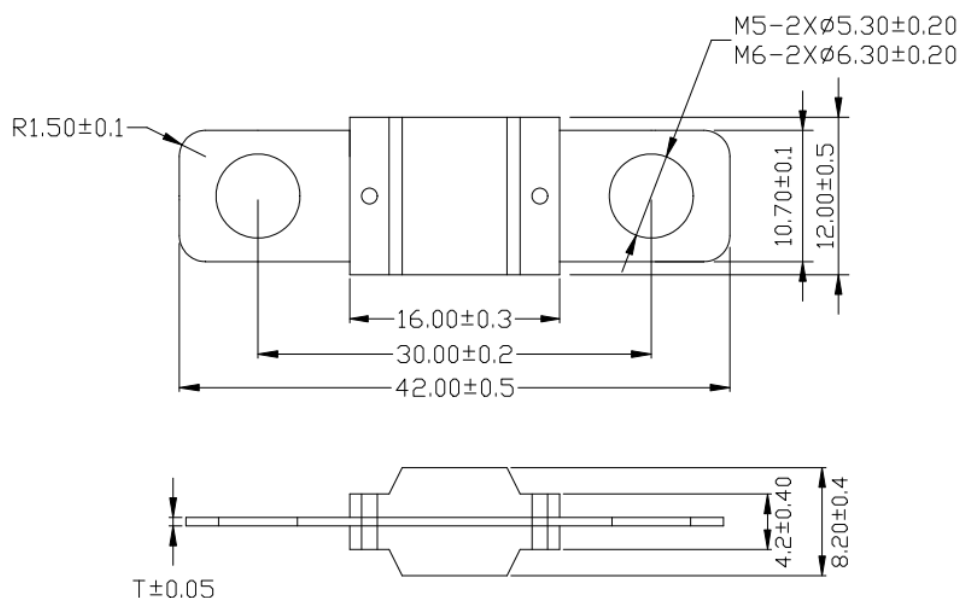


Table1
Packing information

Fuse Size	Box specifications (mm)	Packing quantity / per container	Weight / PCS (g)	Mounting Method	Mounting requirement
AEPxxxx300	410×215×160	864pcs	2.2±3%	BHR030-15-M5	4.5±1
AEPxxxx301	410×215×160	864pcs	2.2±3%	BHR030-15-M5	4.5±1

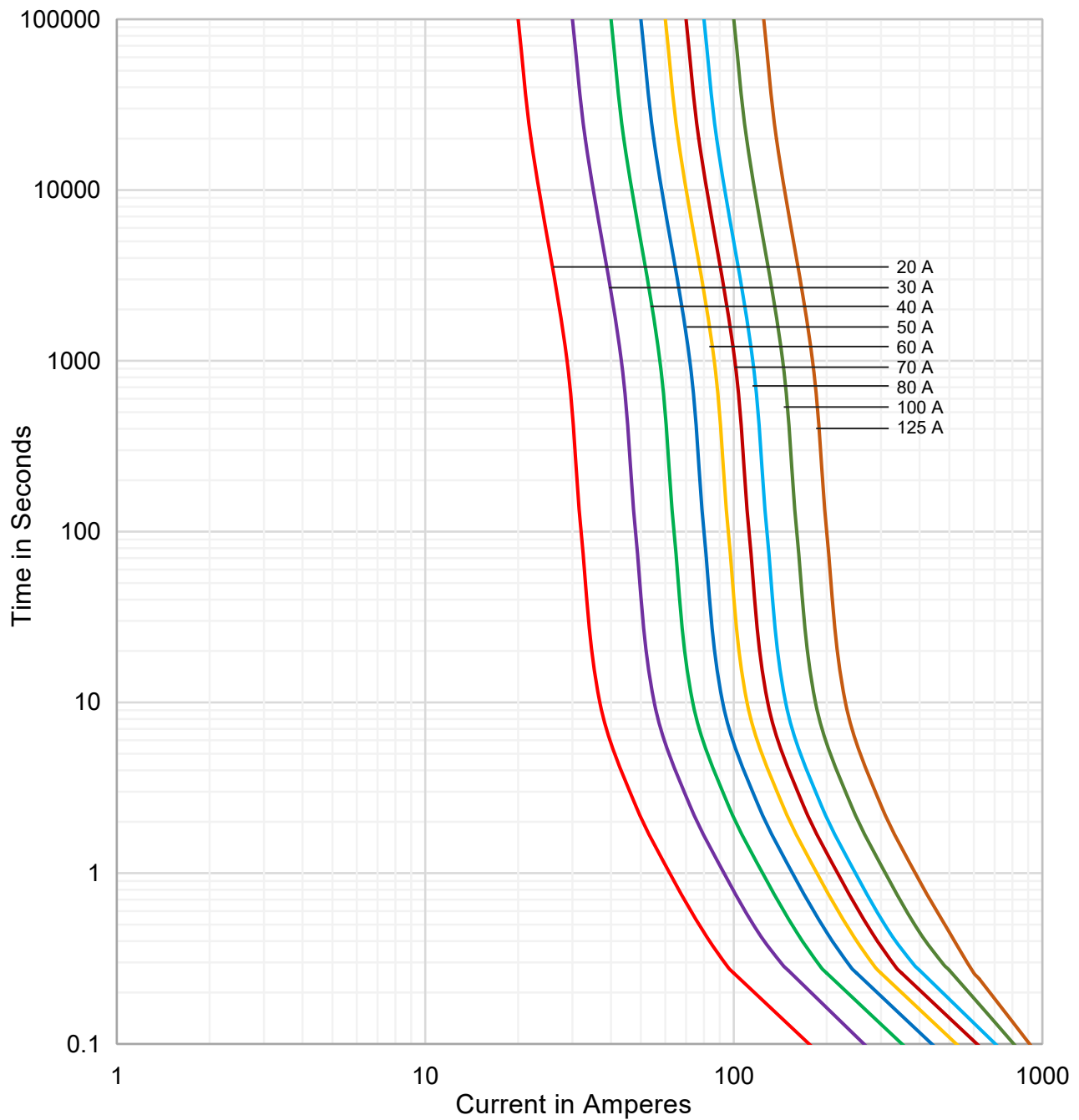
Table2
ELECTRICAL SPECIFICATIONS

Part Number		Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Material Thickness "T" (mm)	Certifications	
M5 Bolt	M6 Bolt						TÜV	UL
AEP2200300	AEP2200301	20 A	2200	65 VDC /32 VDC	1.0 kA@65 VDC / 1.5 kA@32 VDC	0.2	•	•
AEP2300300	AEP2300301	30 A	2300			0.3	•	•
AEP2400300	AEP2400301	40 A	2400			0.3	•	•
AEP2500300	AEP2500301	50 A	2500			0.3	•	•
AEP2600300	AEP2600301	60 A	2600			0.4	•	•
AEP2700300	AEP2700301	70 A	2700			0.4	•	•
AEP2800300	AEP2800301	80 A	2800			0.5	•	•
AEP3100300	AEP3100301	100 A	3100			0.5	•	•
AEP3125300	AEP3125301	125 A	3125			0.5	•	•
AEP3150300	AEP3150301	150 A	3150	32 VDC	1.5 kA@32 VDC	0.6	•	•
-	AEP3175301	175 A	3175			0.6	•	•
-	AEP3200301	200 A	3200			0.6	•	•

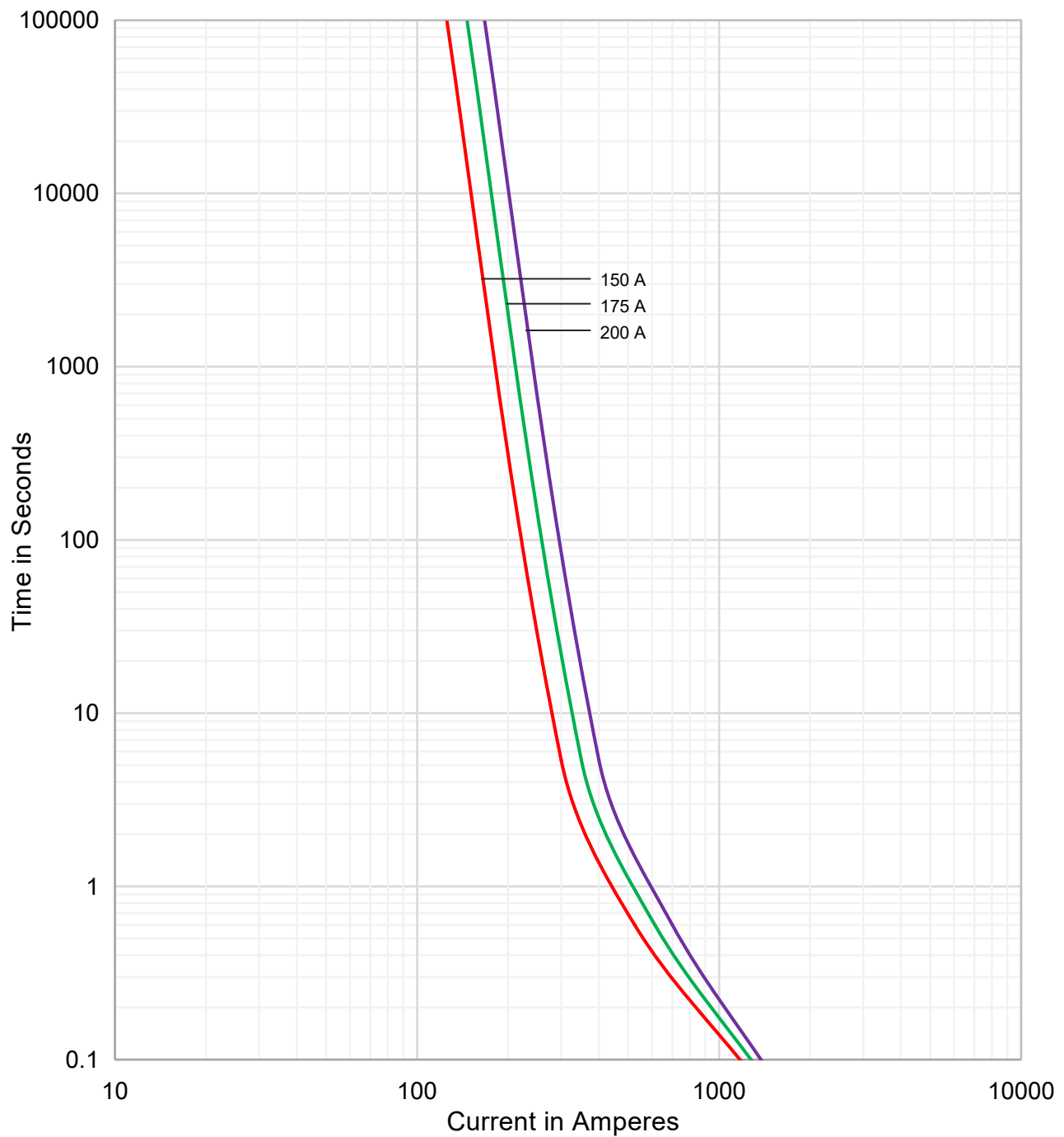
Table3
TIME VS CURRENT CHARACTERISTIC

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	--
150-200 A	>100 h	--	--	--	1-15 s	--	0.3-5 s	--	0.1-1 s

TIME CURRENT CURVE: 20-125A



TIME CURRENT CURVE: 150-200A



OPERATING CONDITIONS

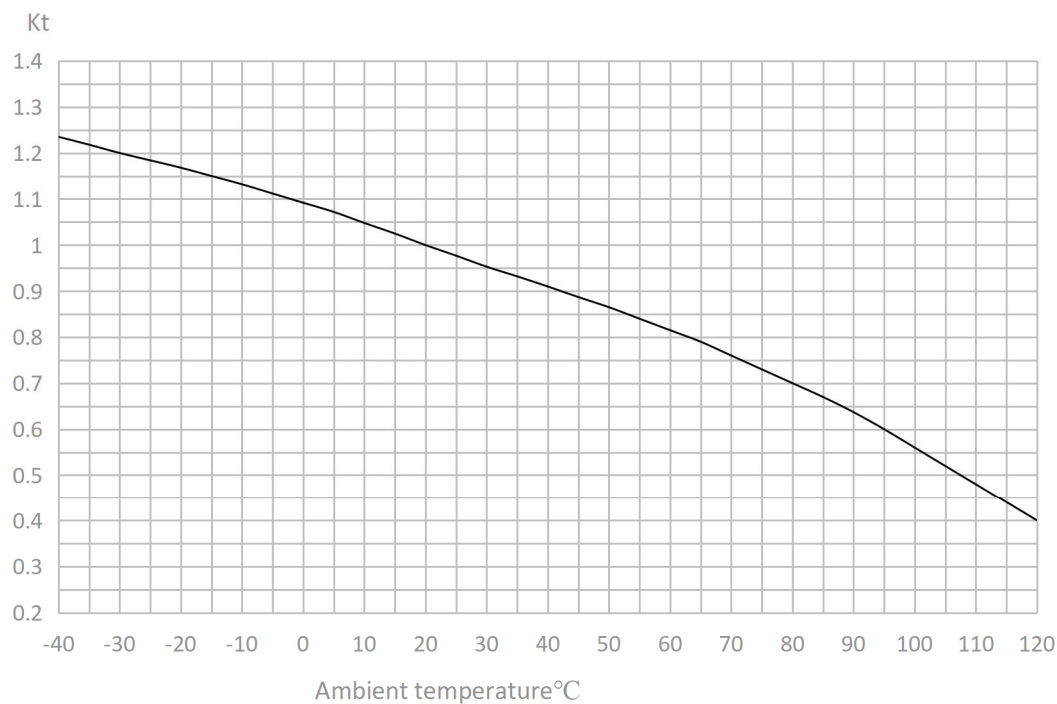
Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature: -5°C - 40°C , permissible operating temperature: -40°C - 120°C .
- The altitude of the normal site of installation of the fuses does not exceed 2000m and permissible altitude site of installation does not exceed 5000m.
- The air is clean and its relative humidity does not exceed 50 % at the maximum temperature of 40°C .
- Higher relative humidity is permitted at lower temperatures, e.g., 90 % at 20°C .
- Pollution grade III.
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature.
- For operating conditions other than above, please contact manufacturer.

STORAGE

During transportation and storage, avoid water seepage and mechanical damage.

TEMPERATURE DERATING CURVE



WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice.