

AEL High Speed Fuse



FEATURES:

- 80 Vdc EV high speed fuse
- Rated Current: 30-800 A
- Rated Breaking Capacity: 3 kA at 80 Vdc
- Bolt Size: M10
- Torque: M10:19 N·m
- Recommended fuse holder:
 - BHR061-25-M10 (with cover): 30-200A
 - BHR061-25-M10-S (no cover): 30-800A

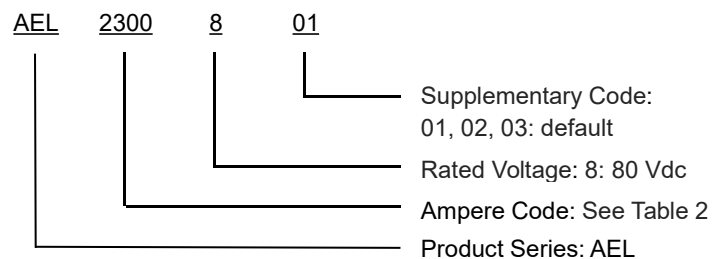
DESCRIPTION

Adler AEL 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 80 Vdc In ratings from 30A to 800A.

APPROVALS INFORMATION:

- Ref. to: UL 248/ DIN 43560/ IEC60269-4
- Approvals: UL (File: E485737) and TÜV (50546731)
- Manufactured under IATF 16949 quality system
- RoHS and REACH Compliant

PART NUMBERING SYSTEM



DIMENSIONS (mm)

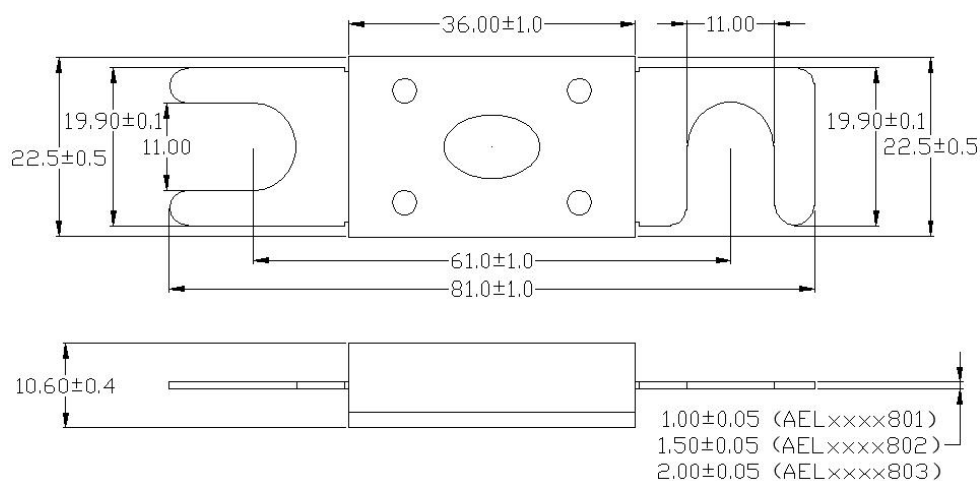


Table1
Packing information

Fuse Size	Box specifications (mm)	Packing quantity / per container	Weight / PCS (g)	Mounting Method	Mounting requirement
AELxxxx801	410×215×160	360pcs	28.5±3%	BHR061-25-M10	19±1
AELxxxx802	410×215×160	360pcs	29.3±3%	BHR061-25-M10	19±1
AELxxxx803	410×215×160	360pcs	30.4±3%	BHR061-25-M10	19±1

Table2
ELECTRICAL SPECIFICATIONS

Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Certifications	
					cURus	TUV
AEL2300801	30 A	2300	80 Vdc	3 kA@80 Vdc	●	●
AEL2400801	40 A	2400			●	●
AEL2500801	50 A	2500			●	●
AEL2600801	60 A	2600			●	●
AEL2700801	70 A	2700			●	●
AEL2800801	80 A	2800			●	●
AEL3100801	100 A	3100			●	●
AEL3125801	125 A	3125			●	●
AEL3130801	130 A	3130			●	●
AEL3150801	150 A	3150			●	●
AEL3175801	175 A	3175			●	●
AEL3200801	200 A	3200			●	●
AEL3225801	225 A	3225			●	●
AEL3250801	250 A	3250			●	●
AEL3275801	275 A	3275			●	●
AEL3300801	300 A	3300			●	●
AEL3325801	325 A	3325			●	●
AEL3350802	350 A	3350	80 Vdc	3 kA@80 Vdc	●	●
AEL3400802	400 A	3400			●	●
AEL3450802	450 A	3450			●	●
AEL3500802	500 A	3500			●	●
AEL3550802	550 A	3550			●	●
AEL3600802	600 A	3600			●	●
AEL3675803	675 A	3675	80 Vdc	3 kA@80 Vdc	●	●
AEL3700803	700 A	3700			●	●
AEL3750803	750 A	3750			●	○
AEL3800803	800 A	3800			●	○

Table3
TIME VS CURRENT CHARACTERISTIC

Rated Current	100 %	150 %	160 %	220 %	250 %	400 %
30-200 A	-	>1 h	--	<60 s	0.8-10s	0.25-2 s
225-800 A	>1 h	-	>60 s	<60 s	<10 s	0.25-2 s

OPERATING CONDITIONS

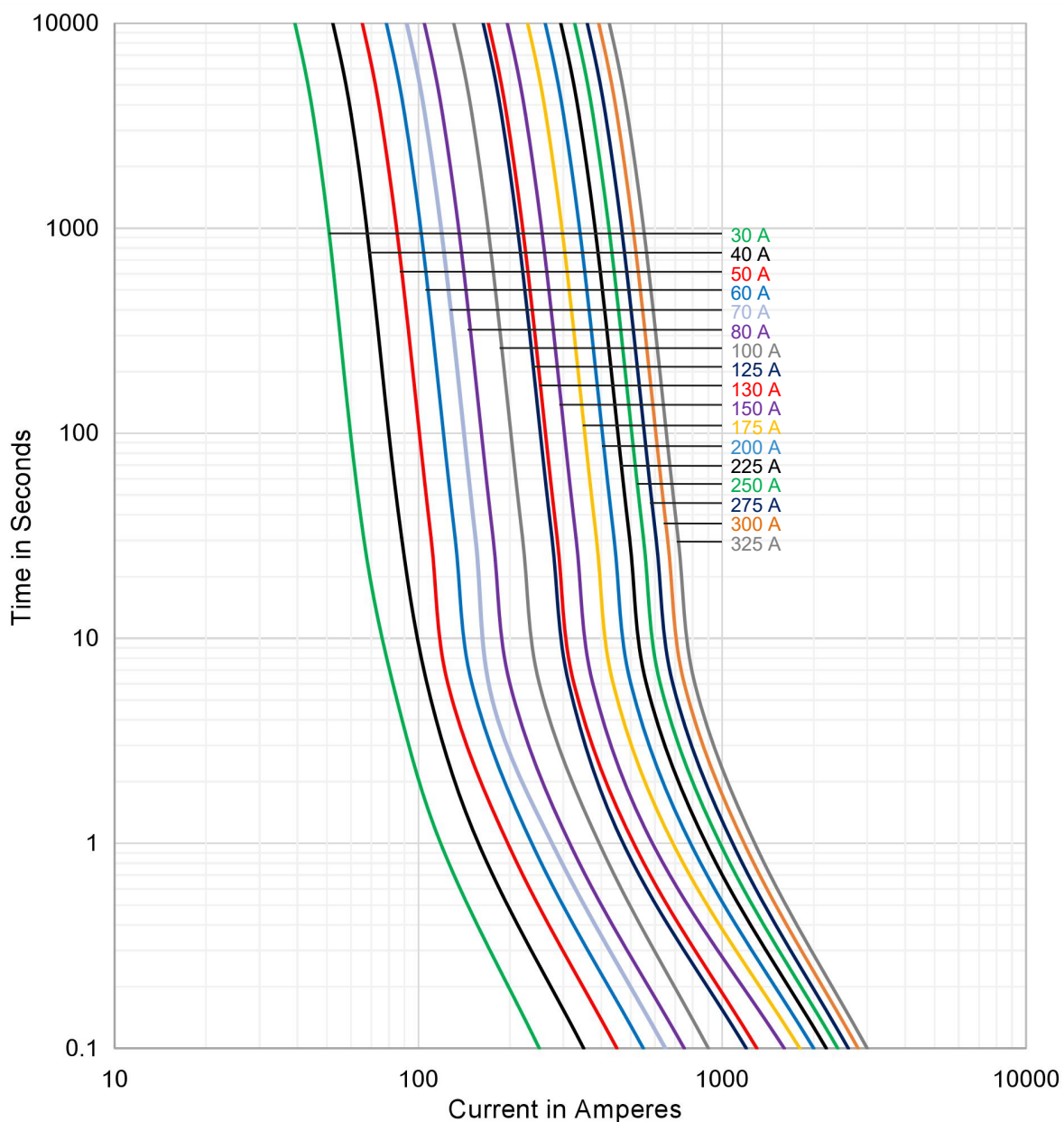
Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- 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.

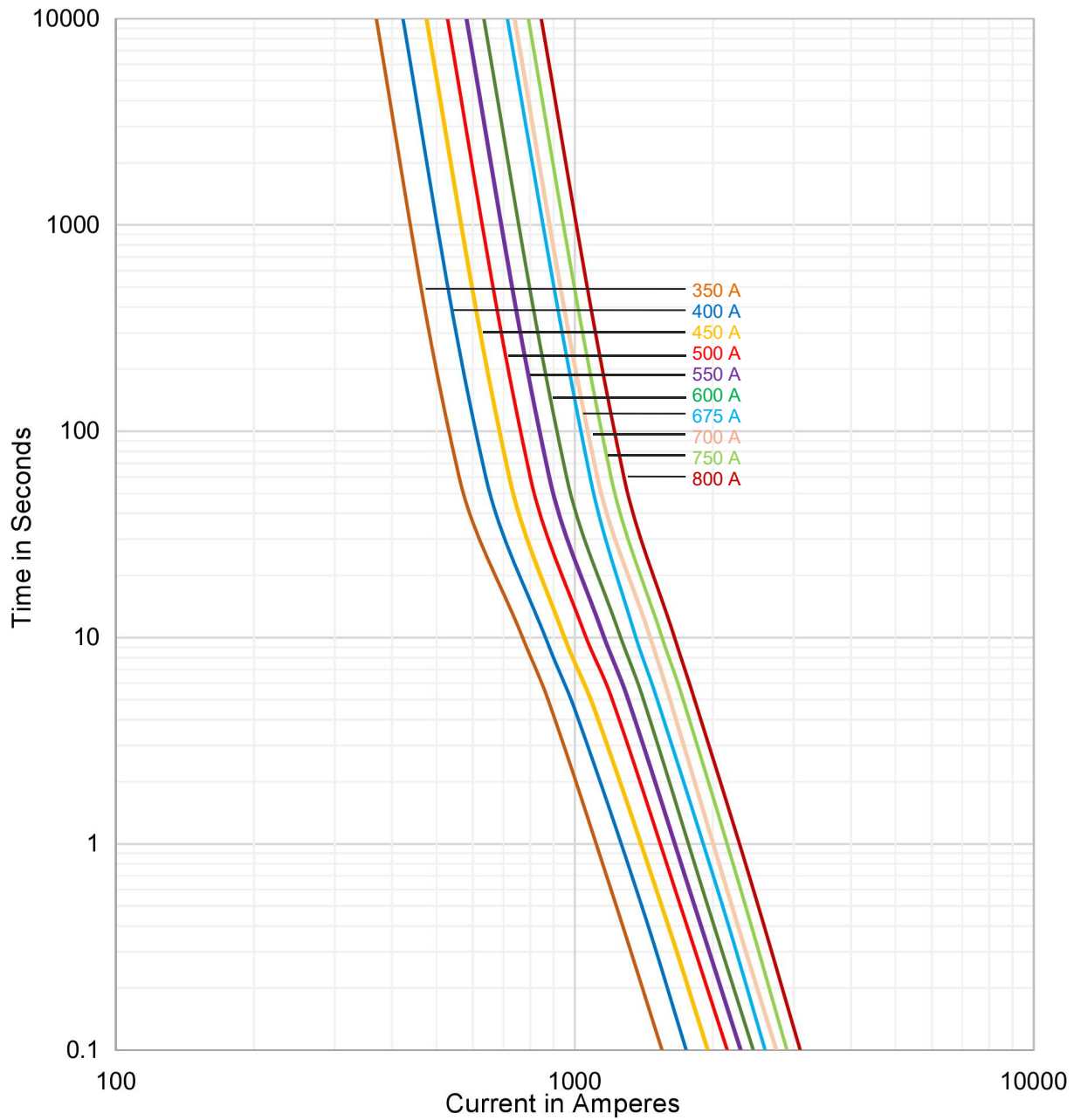
STORAGE

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

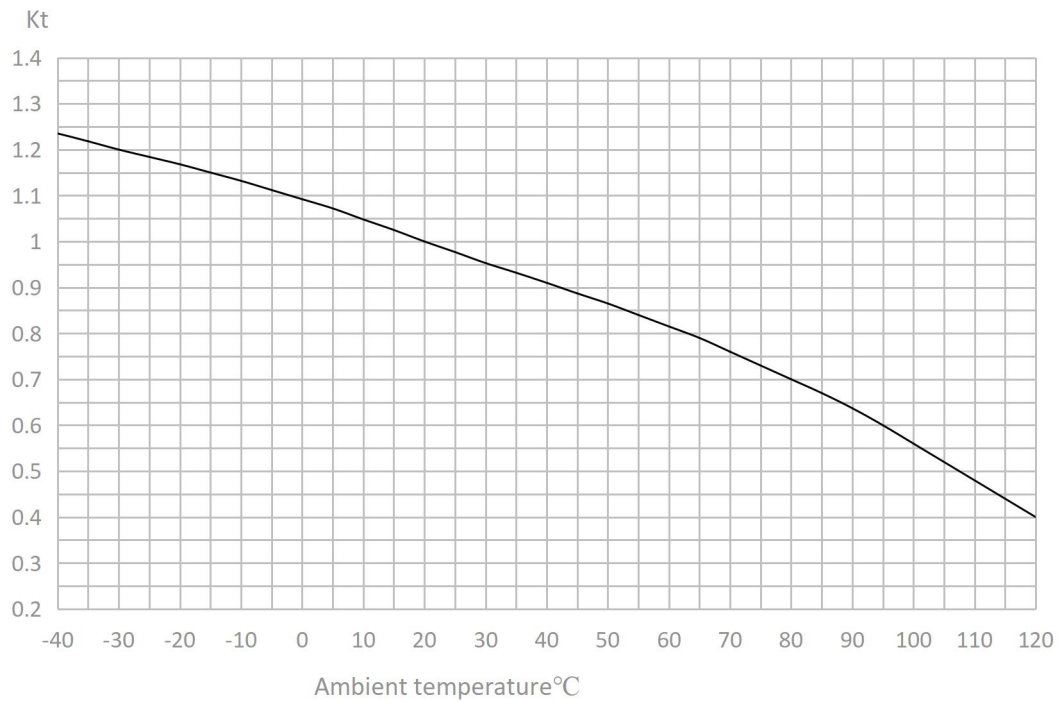
TIME CURRENT CURVE: 30-325 A



TIME CURRENT CURVE: 350-800 A



Temperature derating curve



WEB RESOURCES

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