

Electric vehicle power fuses

500VDC, 200A ~ 400A

Description

- DC fuse for EV/HEV
- Stud-mount, optional for other installation
- 500Vdc ideal for EV or HEV application
- Excellent DC performance
- Design refer to JASO D622:2006

Electrical Characteristics		
% of Ampere Rating (A)	Operating Times (s)	
	Min	Max
100%	14400	-
200%	1	300
300%	0.2	30
500%	0.1	10

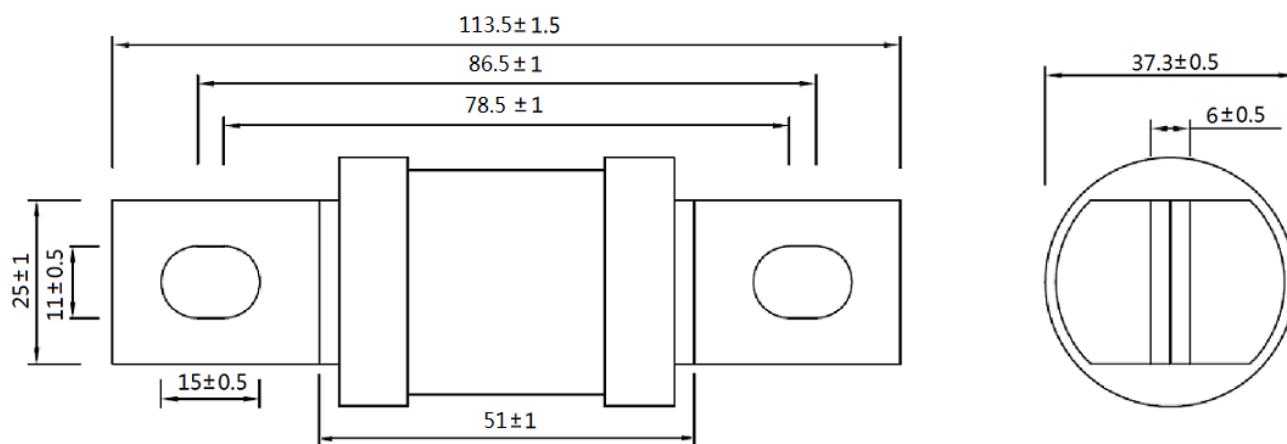
Specifications

Type/	Ordering P/N	Rated Current (A)	Rated Voltage (VDC)	Breaking Capacity (A)	1.0In Power loss (W)
/Single	ST3850-200-CT	200	500	20000	<36
	ST3850-250-CT	250			<41
	ST3850-300-CT	300			<45
	ST3850-350-CT	350			<50
	ST3850-400-CT	400			<53

*Temperature Rise : <45K with 50% of rated current;

Dimension (mm)

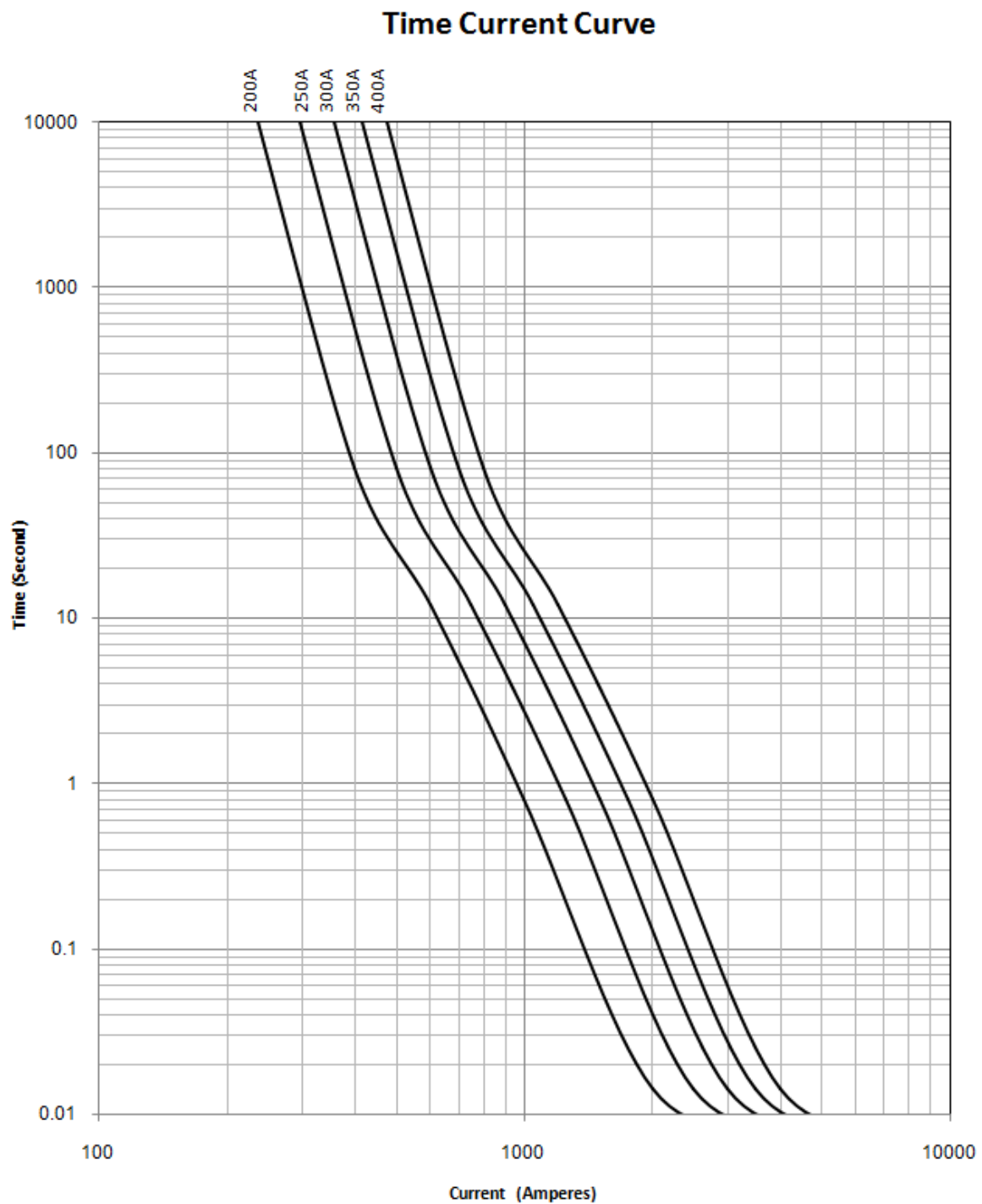
Type:/Single



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Time-Current Curve



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Transportation and Storage

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

Conditions for operation in service

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

- Normal temperature: -5°C to 40°C;
- The altitude of the site of installation of the fuses does not exceed 2000m above sea level;
- The air is clean and its relative humidity does not exceed 50% at the max. temperature of 40°C;
- Higher relative humidities are permitted at lower temperatures, e.g. 90 % at 20°C;
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature.

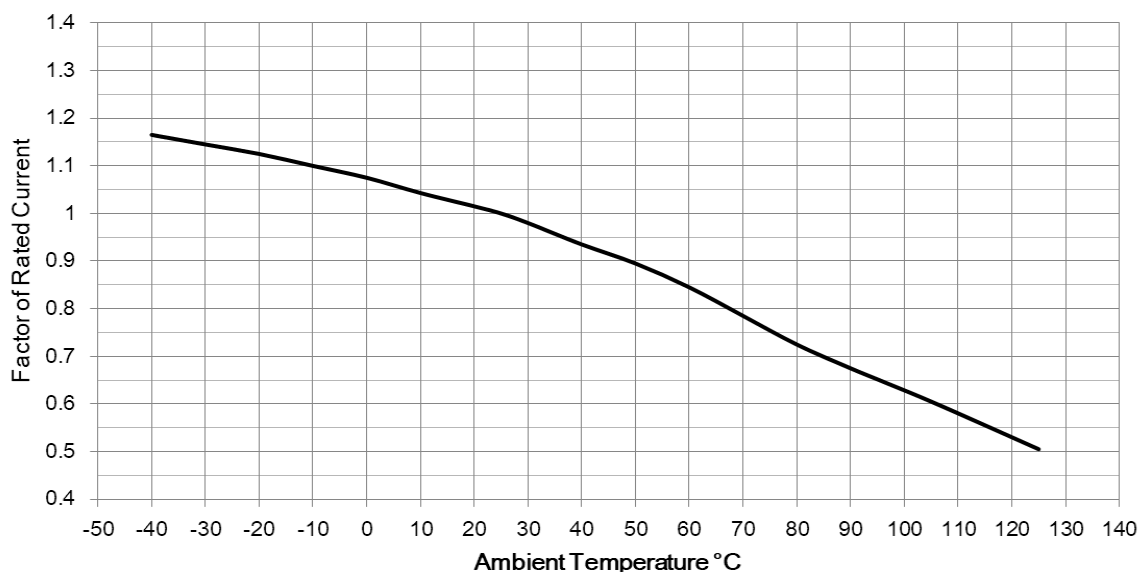
For operation condition other than above, please contact manufacturer.

Vibration

Meet JASO D622:2006 Section 6.3.3 Vibration durability test requirement, can be use on Electrical Vehicle application

Temperature Re-Rating Curve

Operating Temperature: -40°C to +125°C, with proper rerating factor applied



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