Electric Vehicle Power Fuses

Fast Acting Fuse

H10SA Series

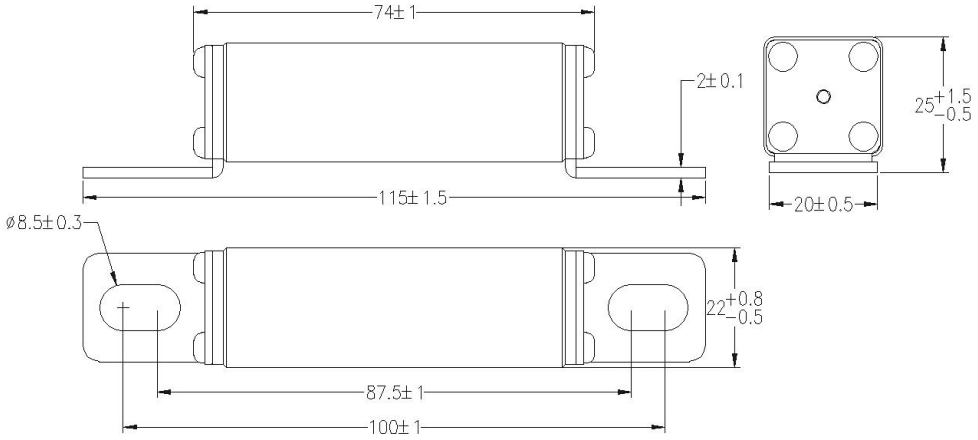
Features

- Fast Acting fuse for DC Application
- 1000Vdc ideal for EV or HEV application
- Stud-mount, optional for other installation
- Reliability performance design refer to ISO8820-8&GB/T31465.6
- Excellent DC performance
- Design to EV fuse standard UL248-20
- Comply RoHS directive

Specifications

Part Number	Rated Current (A)	Rated Voltage (Vdc)	Breaking Capacity (A)	I^2t (A^2S) Pre-arc	I^2t (A^2S) Total @1000Vdc	Power Loss (W)
H10SA-63A-TA	63	1000	50000	930	4650	13.9
H10SA-80A-TA	80	1000	50000	1580	8100	15.8
H10SA-100A-TA	100	1000	50000	2545	12500	20.8
H10SA-125A-TA	125	1000	50000	4520	22000	25.5
H10SA-150A-TA	150	1000	50000	6320	34500	31.5
H10SA-160A-TA	160	1000	50000	7330	39800	34.5
H10SA-175A-TA	175	1000	50000	10550	55900	34.6

Dimension (mm)



Note: Recommend tightening torque is 12+/-1.0Nm (M8)

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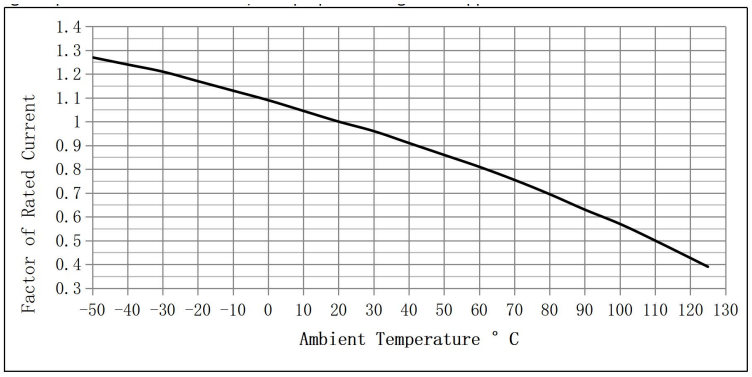
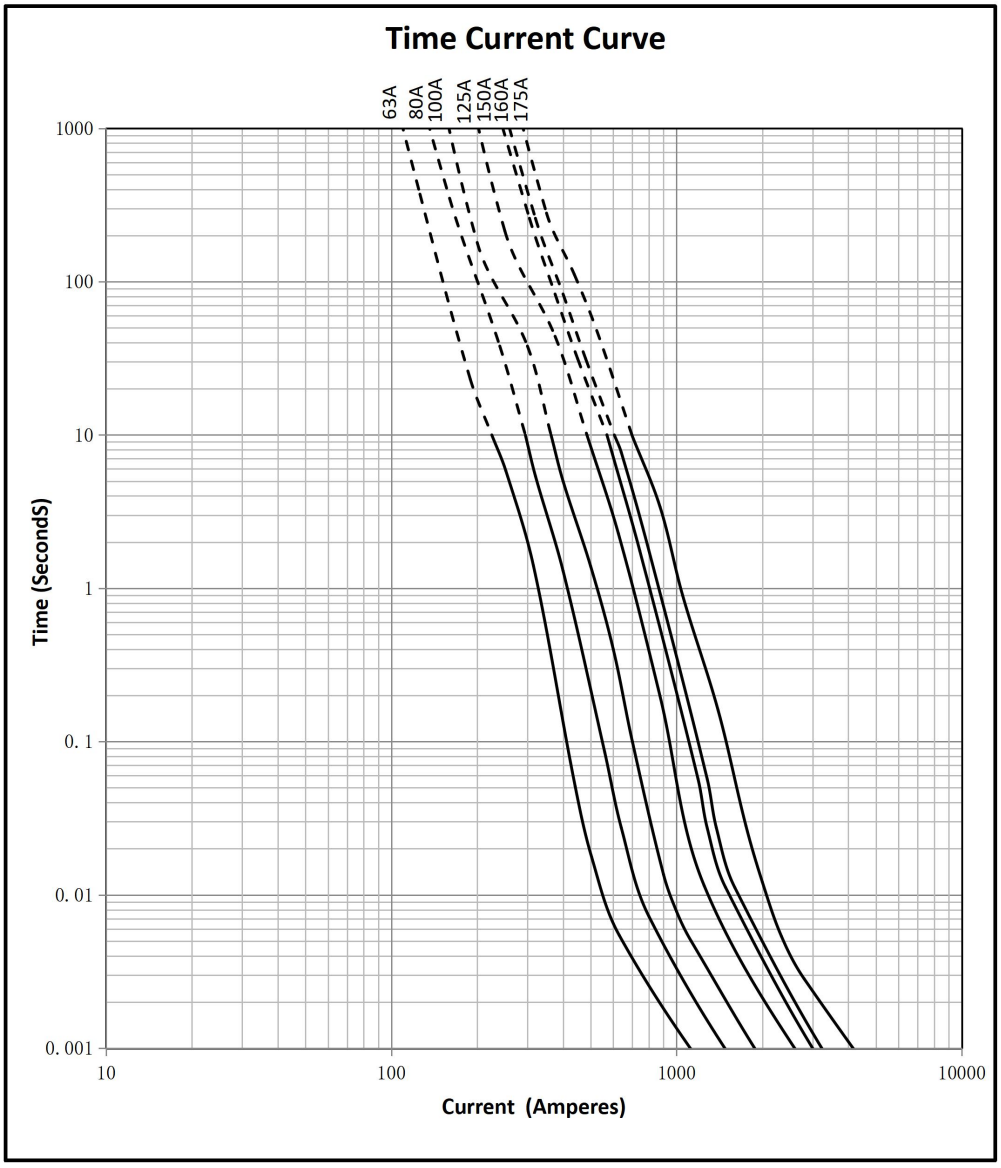
Temperature Re-Rating Curve



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

Time-Current Curve



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℃ to 40℃;
The altitude of the site of installation of the fuses does not exceed 2 000 m above sea level;
The air is clean and its relative humidity does not exceed 50 % at the maximum temperature of 40℃;
Higher relative humidities are permitted at lower temperatures, e.g. 90 % at 20℃;
Under these conditions, moderate condensation may occasionally occur due to variation in temperature.
For operation condition other than above, please contact manufacturer.

Vibration

Meet UL248-20 Section 8.6.2.3 Vibration Test C requirement, can be use on Electrical Vehicle application.