

500Vdc Square Body Fuse H5SA Series



Description

- DC fuse for EV/HEV/ESS;
- Stud-mount, optional for other installation;
- 500Vdc ideal for EV or HEV application ;
- Excellent DC performance ;
- Design to EV fuse standard UL248-20 ;
- Reliability performance design refer to ISO8820-8&GB/T31465.6;
- Comply RoHS directive.

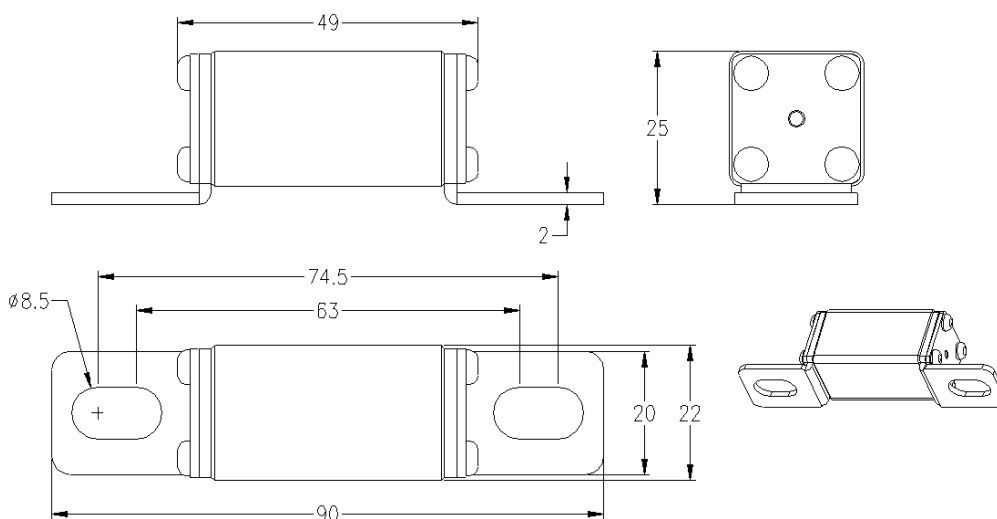


Specifications

Part Number	Rated Current (A)	Rated Voltage (Vdc)	Breaking Capacity (A)	I^2t (A ² S)		Power Loss At 1.0In (W)
				Pre-arc	Total @500Vdc	
H5SA-100A-TA	100	500	50000	1770	7020	14.9
H5SA-125A-TA	125	500	50000	2850	11500	19.3
H5SA-150A-TA	150	500	50000	4150	15770	23.1
H5SA-175A-TA	175	500	50000	5970	22850	27.5
H5SA-200A-TA	200	500	50000	9350	36500	30.8
H5SA-250A-TA	250	500	50000	16600	67800	35.2

Operating ambient temperature range: -40°C to +125°C

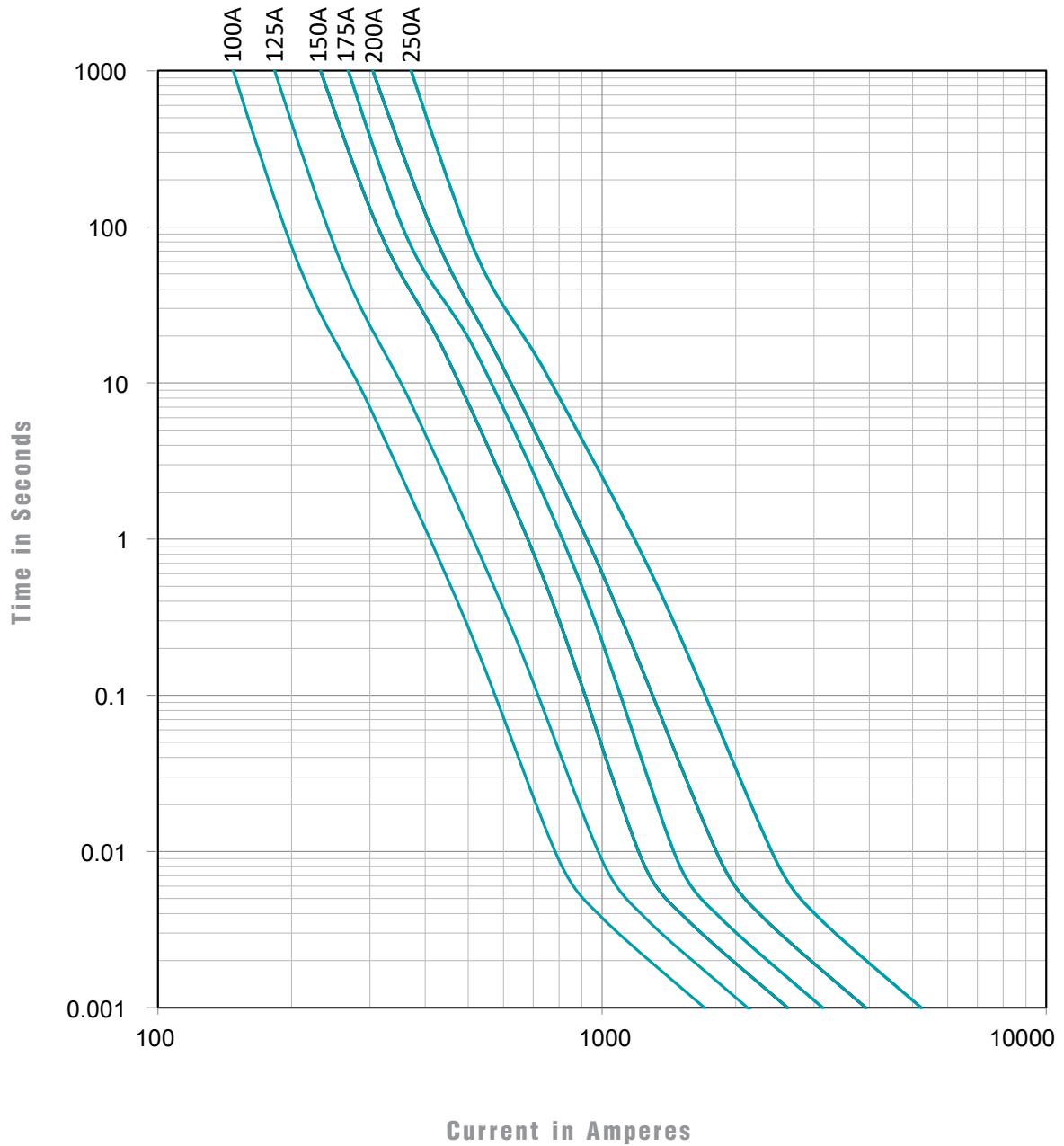
Dimension (mm)



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

500Vdc Square Body Fuse H5SA Series

Time-Current Curve



500Vdc Square Body Fuse H5SA Series

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 2 000 m above sea level;
- The air is clean and its relative humidity does not exceed 50% at the maximum 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 UL248-20 Section 8.6.2.3 Vibration Test C requirement, can be use on Electrical Vehicle application.

Temperature Rerating Curve

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

