

1000Vdc Square Body Fuse

HMSB10 Series

Fast Acting Fuse



Features

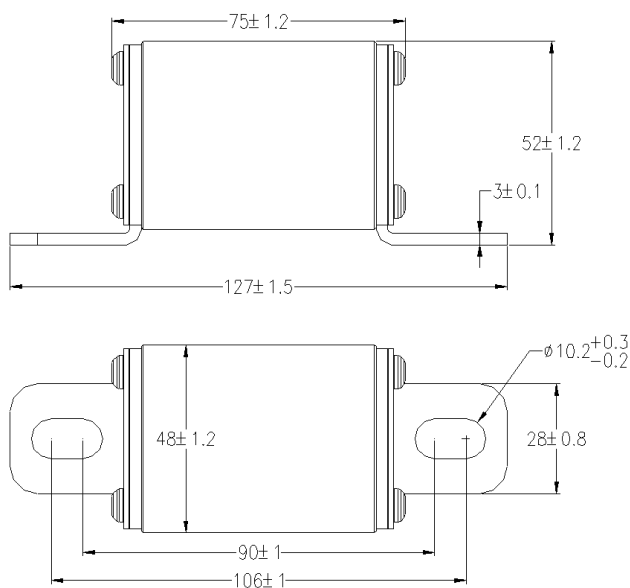
- Fast Acting fuse for EV/HEV/ESS
- 1000Vdc ideal for EV or HEV application
- Excellent DC performance
- Design to UL248-1 & UL248-20
- Comply RoHS directive

Specifications

Part Number	Rated Current (A)	Rated Voltage (Vdc)	Breaking Capacity (A)	I^2t (A ² s)		Power Loss At 0.5In (W)
				Pre-arc	Total @1000Vdc	
HMSB10-350A-TA	350	1000	50000	46900	201500	12.3
HMSB10-400A-TA	400	1000	50000	56800	245000	13.5

Temperature Rise: <50K with 50% of rated current.

Dimension (mm)



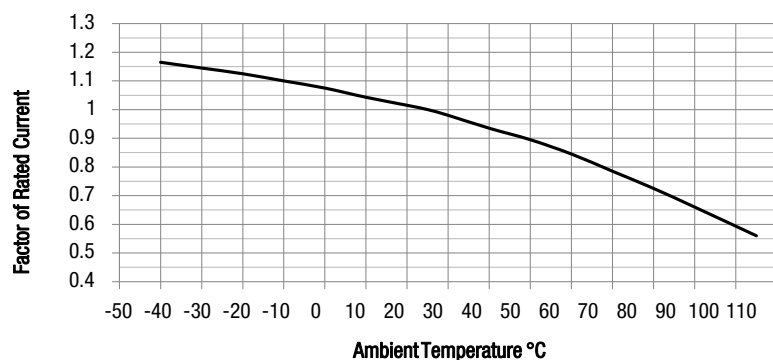
Note: 20 ± 1 Nm (M10)

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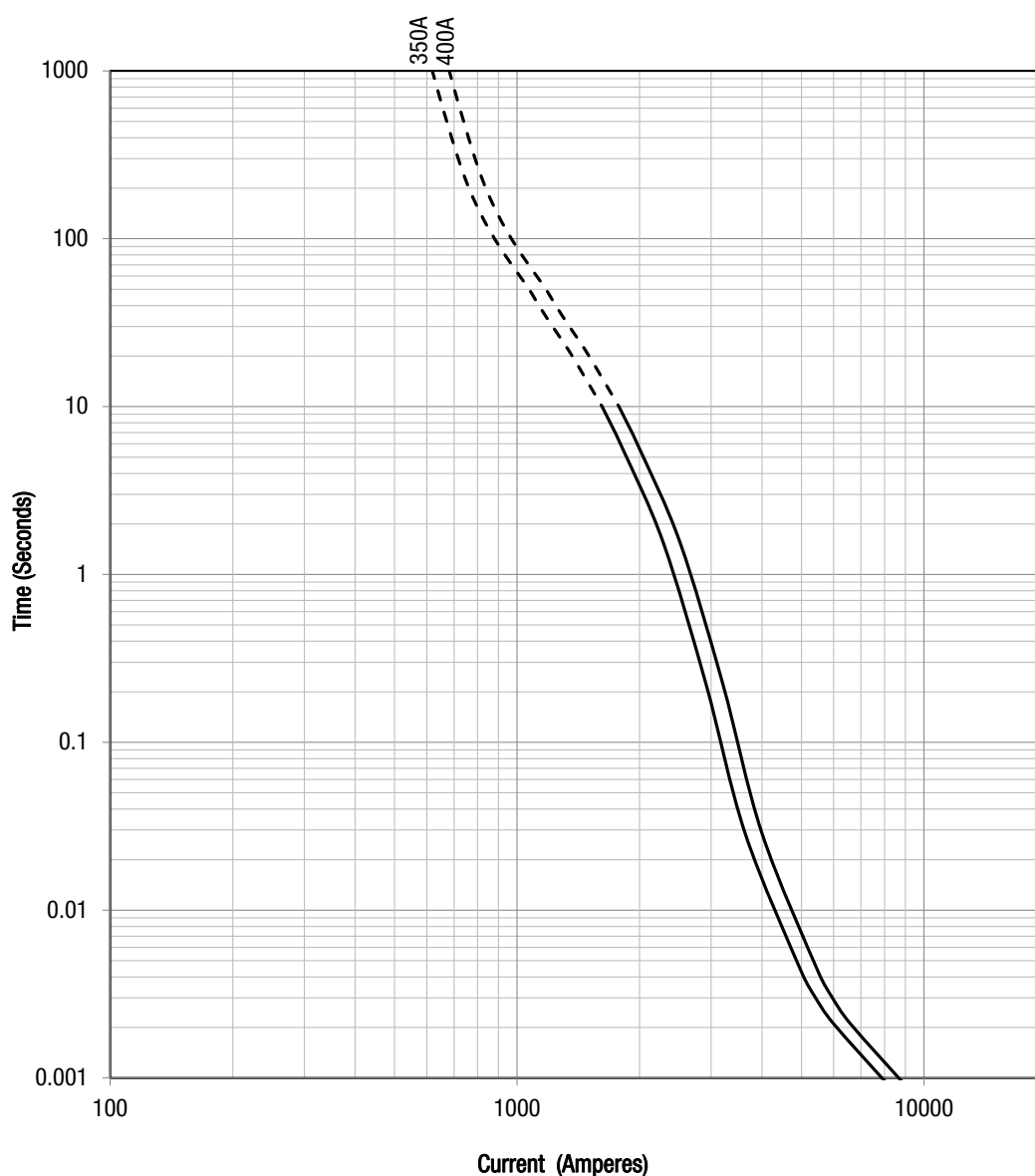
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Temperature Re-Rating Curve



Operating Temperature: -40°C to +100°C, with proper rerating factor applied.

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