

**RoHS
Compliant**



Description

This 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 125V DC in ratings from 50A to 350A.

Features

- Reliable clearing of DC fault currents
- High cycling performance
- Low watt losses
- Ultra-compact size and power density
- High breaking capacity to 3kA
- Operation as low as 300% In overload protection
- QR code marks on each fuse for traceability

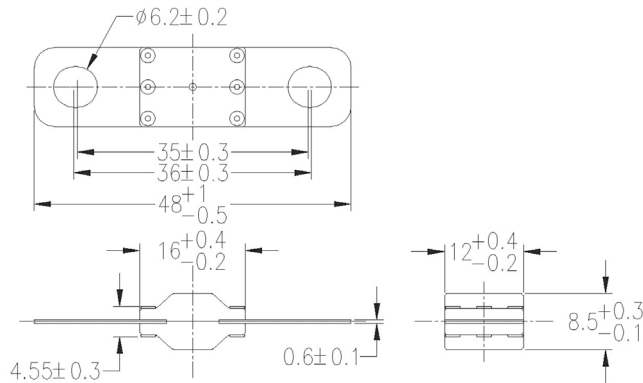
Electrical Specifications

Electrical Characteristics at 25°C							
Size (mm)	Part Number	Rated Current	Ampere Code	Rated Voltage	Breaking Capacity	Typical Cold Resistance (mΩ)	Typical Pre-arcing I2t (A2Sec)
16 × 12	MP015700	200A	3200	63V DC 100V DC 125V DC	3In~8kA@63V DC 3In~6kA@100V DC 3In~3kA@125V DC	0.24	38500
	MP015701	80A	2800			0.51	5400
	MP015702	100A	3100			0.43	9600
	MP015703	150A	3150			0.33	21800
	MP015704	250A	3250			0.19	60500
	MP015705	300A	3300			0.16	85000
	MP015706	350A	3350	0.13	92000		

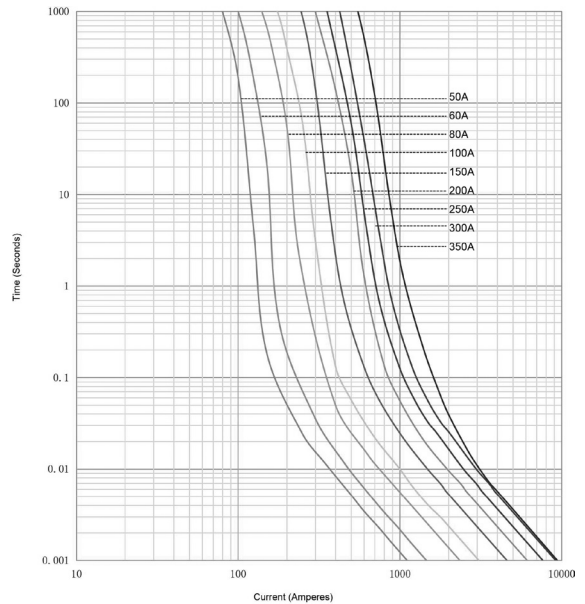
Table 2

1. **UL File: E485737
2. Typical Pre-arcing I2t are measured at 10In Current
3. Recommend tightening torque is M6 with 5-5.5N•m; M5 with 3.5-4N•m

Diagram

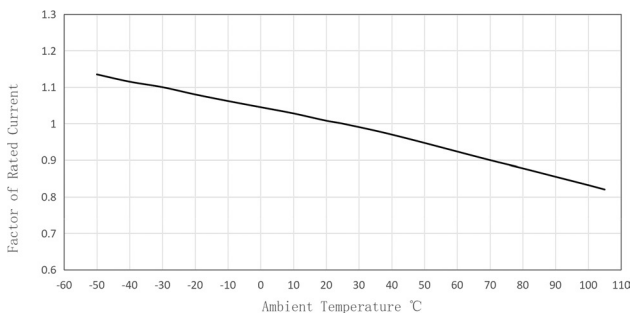


Time Current Curve



Temperature Derating Curve

Operation temperature: -40°C to 105°C with proper re-rating factor



Part Number Table

Description	Part Number
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 200A	MP015700
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 80A	MP015701
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 100A	MP015702
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 150A	MP015703
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 250A	MP015704
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 300A	MP015705
Automotive EV Fuse, M5 Bolt Mount, 125V DC, 350A	MP015706

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