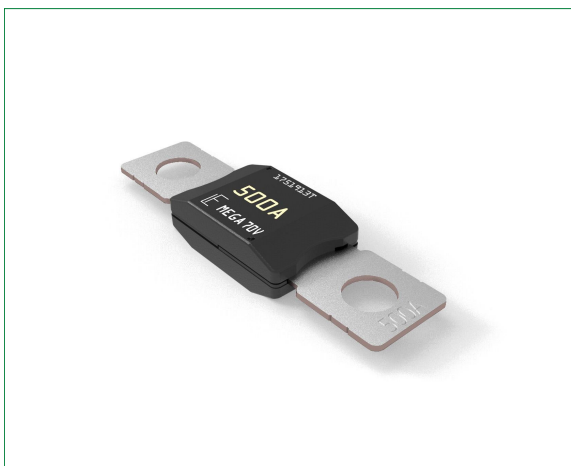


MEGA ISO

Bolt-down Fuse Rated 70V



Description

The MEGA® 70V ISO Fuse is designed for high current circuit protection up to 500A with “Diffusion Pill Technology.” The MEGA 70V features 200kOhm Open State Resistance after fuse opening to guarantee safe interruption at any voltage up to 70V. The MEGA® 70V Fuse is ideal for battery and alternator protection application and other heavy gauge cables requiring ultra-high current protection.

Features & Benefits

- Color-coded ampere labels aid identification
- Available with one, two or no mounting holes
- High current protection

Applications

- Cars / SUVs
- Trucks
- Offroad vehicles
- Buses
- Watercraft as approved by Littelfuse®

See Disclaimer Notice

Specifications

Voltage Rating:	70 VDC
Interrupting Rating:	2500A @ 70 VDC
Recommended Environmental Temperature:	-40°C to +125°C
Terminals Material:	Tin plated Copper
Housing Material:	PPA Glass Fiber Reinforced
Open State Resistance:	200 kOhm (minimum - after fuse opening)
Typical weight per fuse:	10.2 g
Mounting Torque M6:	9 Nm +/- 1Nm
Mounting Torque M8:	20 Nm +/- 1Nm
Complies with:	ISO 20934 - Type SF51

Product in development - Final values for voltage drop, resistance, melting I_t and T/C curves will be generated from PV tests data. Please contact Littelfuse® for more details regarding availability timing.

Ordering Information

Part Number	Rating	Package Size	Housing Color	Bolt Size	Bolt Hole Qty
0998xxx.UXISO-2M8	60 - 500	500	Black	M8	2
0998xxx.UXISO-1M8	60 - 500	500	Black	M8	1
0998xxx.UXISO-2M6	60 - 500	500	Black	M6	2
0998xxx.UXISO-1M6	60 - 500	500	Black	M6	1
0998xxx.UXISO-NH	60 - 500	500	Black	N/A	0

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Ratings

Part Number	Current Rating (A)	Color Code	Test Cable size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
0998060._	60		6	89	0.95	Coming soon
0998080._	80		10	77	0.66	Coming soon
0998100._	100		10	86	0.55	Coming soon
0998125._	125		16	79	0.41	Coming soon
0998150._	150		25	91	0.34	Coming soon
0998175._	175		25	77	0.28	Coming soon
0998200._	200		35	93	0.26	Coming soon
0998225._	225		35	84	0.21	Coming soon
0998250._	250		50	86	0.19	Coming soon
0998300._	300 ¹		50	47 ²	0.15	340 000
0998350._	350 ¹		50	51 ²	0.14	500 000
0998400._	400 ¹		70	50 ²	0.12	880 000
0998450._	450 ¹		70	53 ²	0.10	1 200 000
0998500._	500 ¹		70	56 ²	0.09	1 800 000

Note 1: Short Circuit Protector only

Note 2: Measured at 75% I_r

The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

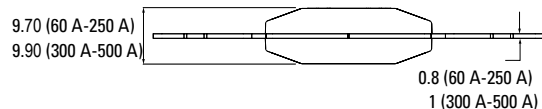
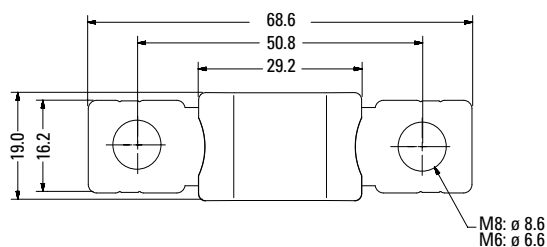
Product in development - Final values for voltage drop, resistance, melting I²t and T/C curves will be generated from PV tests data. Please contact Littelfuse® for more details regarding availability timing.

Dimensions

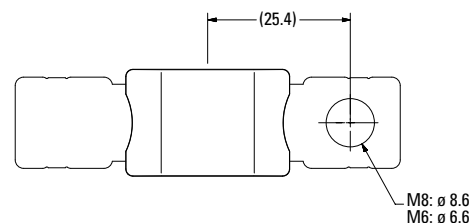
Dimensions in mm for reference only.

See outline drawing for dimensions and tolerances.

2 Holes M6/M8 versions



1 Hole M6/M8 versions



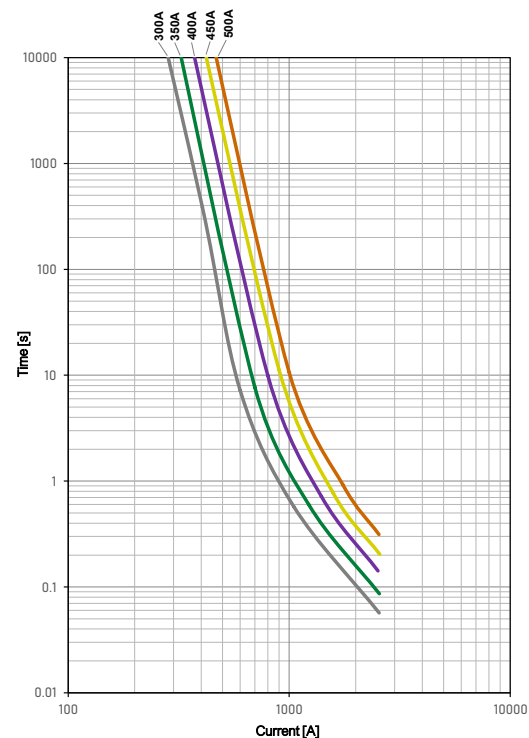
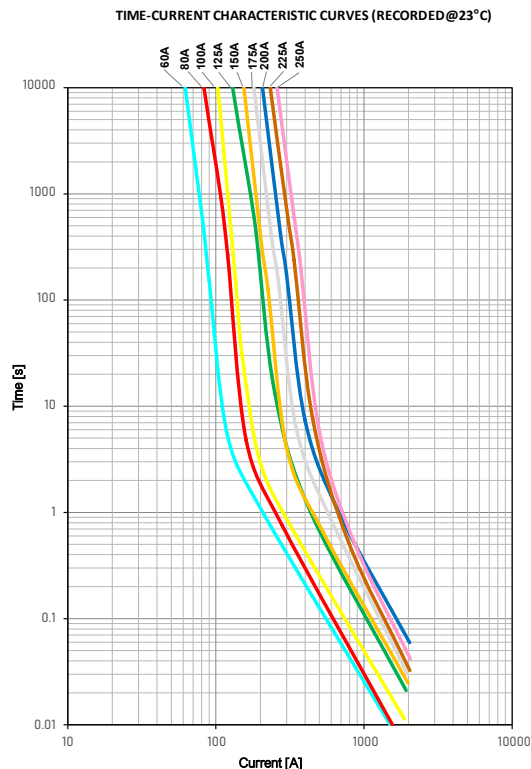
No-Hole version



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Time-Current Characteristic Curves



Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)	
	60 A - 250 A	300 A - 500 A
75	-	14,400 / ∞
100	14,400 / ∞	-
135	120 / 1800	-
150	20 / 450	-
200	1 / 15	1 / 15
350	0.3 / 5	0.5 / 5
600	0.1 / 1	-

Product in development - Final values for voltage drop, resistance, melting I^2t and T/C curves will be generated from PV tests data. Please contact Littelfuse® for more details regarding availability timing.

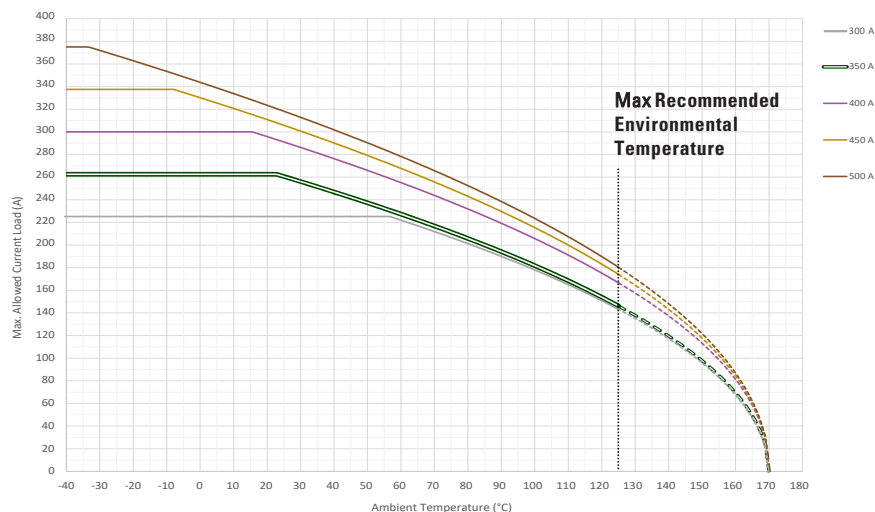
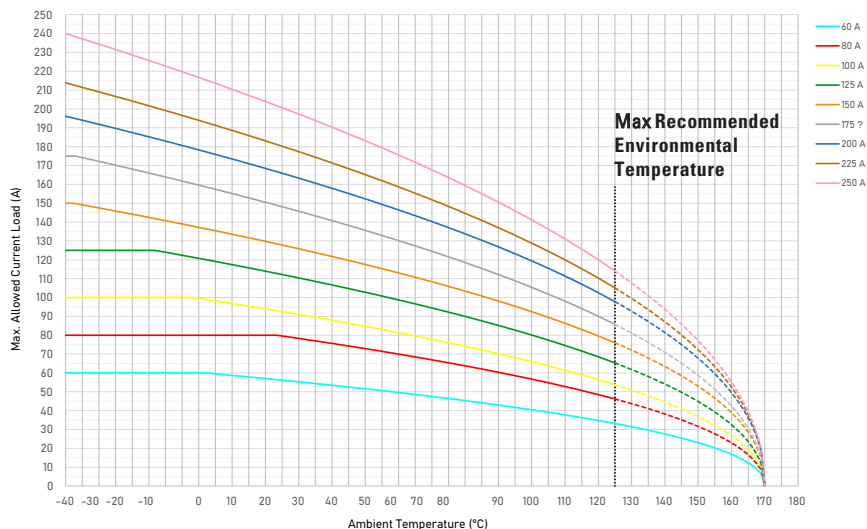
MEGA ISO

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Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%

Please Contact Littelfuse® For Details Regarding Derating Test Set Up



Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..). Please ask Littelfuse® for more information.

Temperature Table

	max. allowed current load (A) at ambient temperature						
	-40 °C	0 °C	20 °C	65 °C	85 °C	110 °C	125 °C
60 A	60	60	57	49	44	38	33
80 A	80	80	80	68	62	53	46
100 A	100	100	94	80	72	61	54
125 A	125	121	114	97	88	75	65
150 A	150	137	130	111	101	86	76
175 A	175	160	151	127	115	98	86
200 A	196	178	168	143	130	111	98
225 A	214	194	183	155	141	120	105
250 A	240	217	204	172	155	131	114
300 A	225	225	225	217	196	166	144
350 A	263	263	263	222	200	168	146
400 A	300	300	296	250	226	191	167
450 A	338	338	337	285	257	218	191
500 A	375	344	323	272	246	207	180

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at <https://www.littelfuse.com/legal/disclaimers/product-disclaimer.aspx>