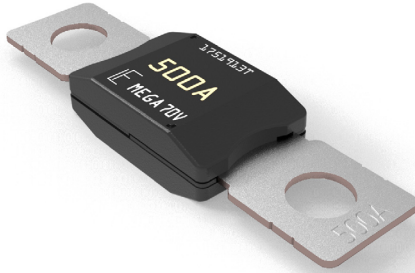


# MEGA ISO Series

## Bolt-down Fuses – Rated 70V

RoHS



### 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
- Comply with ISO 20934 - Type SF51
- Available with one, two or no mounting holes
- High current protection

### Applications

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

### Additional Information



Resources



Samples

[See Disclaimer Notice](#)

### Specifications















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

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

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## Bolt-down Fuses – Rated 70V

### Ratings

Part Number	Current Rating (A)	Color Code	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> 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 <sup>1</sup>		50	47 <sup>2</sup>	0.15	340 000
0998350._	350 <sup>1</sup>		50	51 <sup>2</sup>	0.14	500 000
0998400._	400 <sup>1</sup>		70	50 <sup>2</sup>	0.12	880 000
0998450._	450 <sup>1</sup>		70	53 <sup>2</sup>	0.10	1 200 000
0998500._	500 <sup>1</sup>		70	56 <sup>2</sup>	0.09	1 800 000

**1:** Short Circuit Protector only

**2:** Measured at 75% I<sub>r</sub>

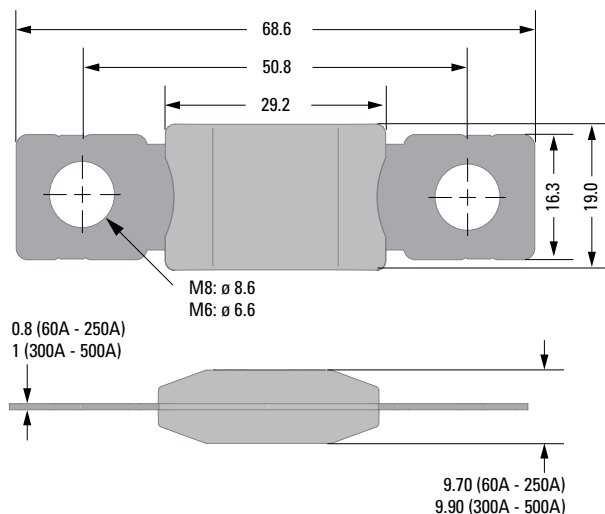
**Note:** The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

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

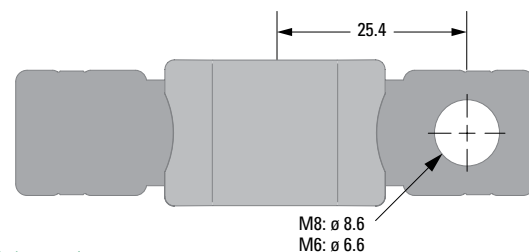
### Dimensions

Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.

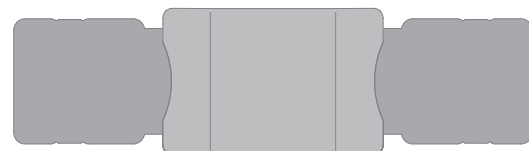
#### 2 Holes M6/M8 versions



#### 1 Hole M6/M8 versions



#### No-Hole version

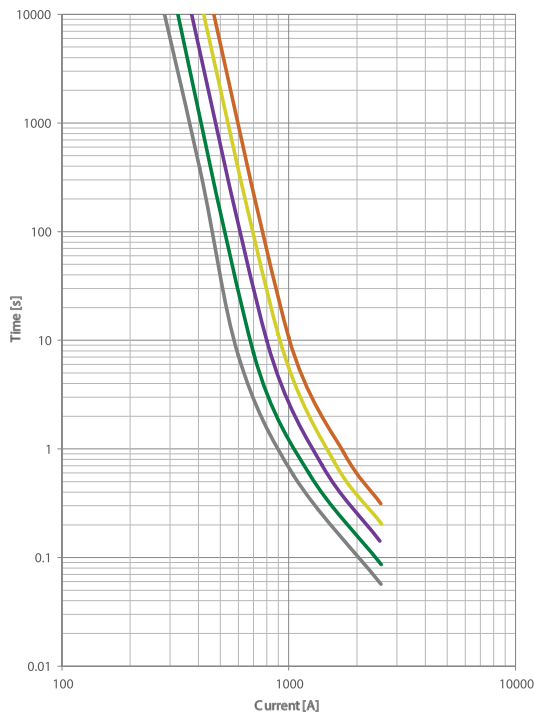
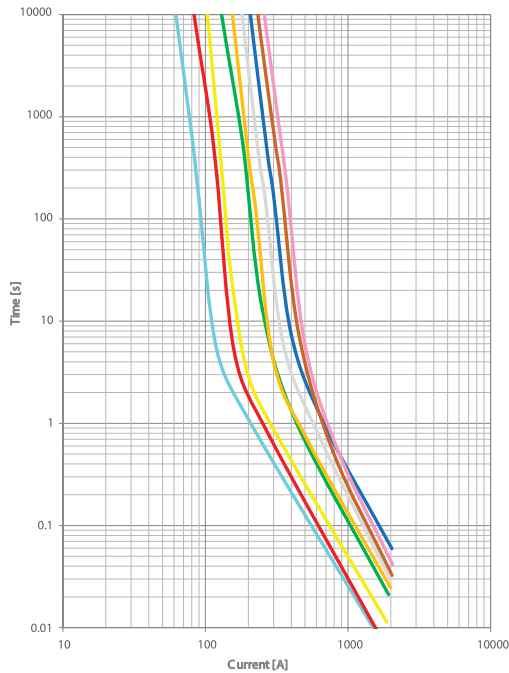


# MEGA ISO Series

## Bolt-down Fuses – Rated 70V

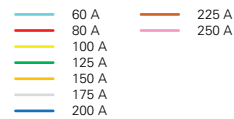
### Time-Current Characteristic

TIME-CURRENT CHARACTERISTIC CURVES (RECORDED @ 23°C)



#### 60 - 250 A

% of Rating	Opening Time Min. / Max. (s)
75	-
100	14 400 / -
135	120 / 1800
150	20 / 450
200	1 / 15
350	0.3 / 5
600	0.1 / 1



**Note:** 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.

#### 300 - 500 A

% of Rating	Opening Time Min. / Max. (s)
75	14 400 / -
100	-
135	-
150	-
200	1 / 15
350	0.5 / 5
600	-



**Note:** Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

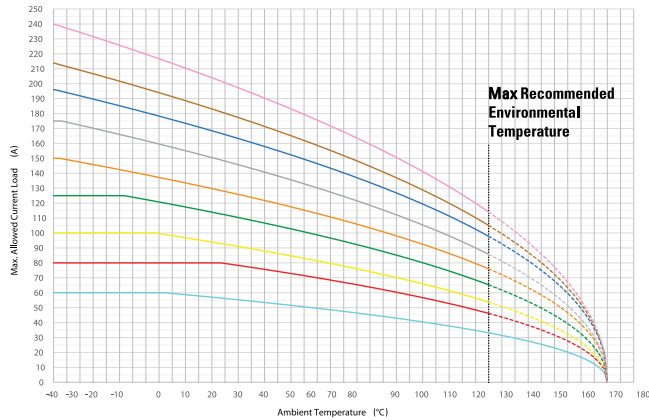
# MEGA ISO Series

## Bolt-down Fuses – Rated 70V

### Typical Derating Curves

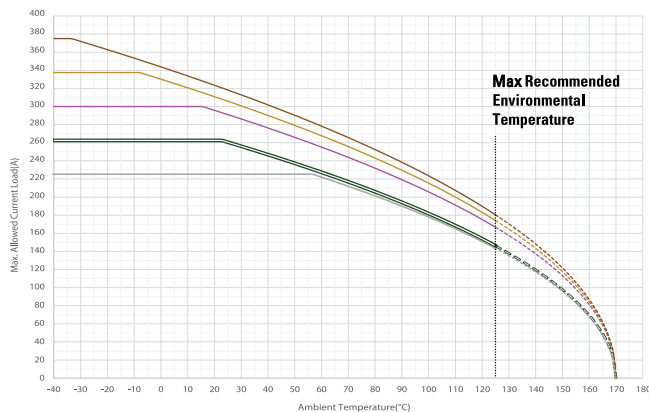
Temperature security margin is 20%.

Please contact Littelfuse® for Details Regarding Derating Test Set Up.



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

60 A  
 80 A  
 100 A  
 125 A  
 150 A  
 175 A  
 200 A  
 225 A  
 250 A



300 A  
 350 A  
 400 A  
 450 A  
 500 A

**Note 1:** Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

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

**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>