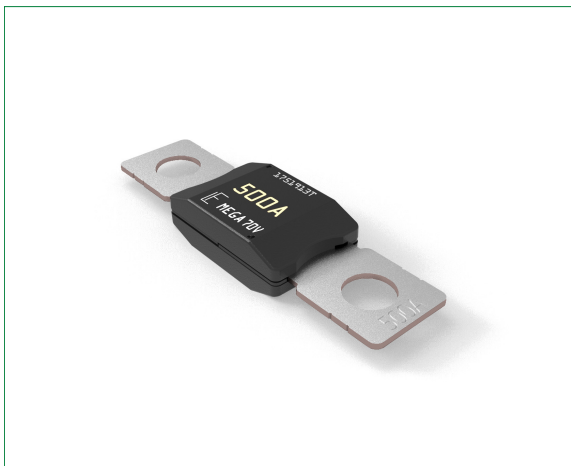


# MEGA ISO

## Bolt-down Fuse Rated 70V

RoHS



### Specifications

<b>Voltage Rating:</b>	70 VDC
<b>Interrupting Rating:</b>	2500A @ 70 VDC
<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>Complies with:</b>	ISO 20934 - Type SF51

### 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.

### Applications

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

### Features & Benefits

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

### Ordering Information

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

# MEGA ISO

## Bolt-down Fuse 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

Note 1: Short Circuit Protector only

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

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.

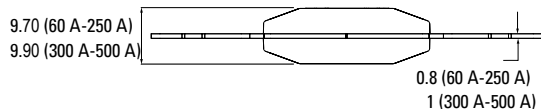
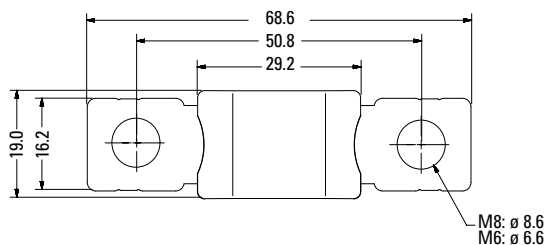
Product in development - Final values for voltage drop, resistance, melting I<sup>2</sup>t and T/C curves will be generated from PV tests data. Please contact Littelfuse® for more details regarding availability timing.

### Dimensions

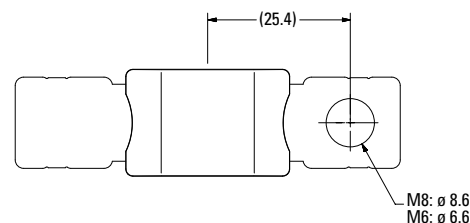
Dimensions in mm for reference only.

See outline drawing for dimensions and tolerances.

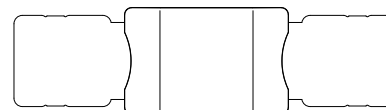
#### 2 Holes M6/M8 versions



#### 1 Hole M6/M8 versions



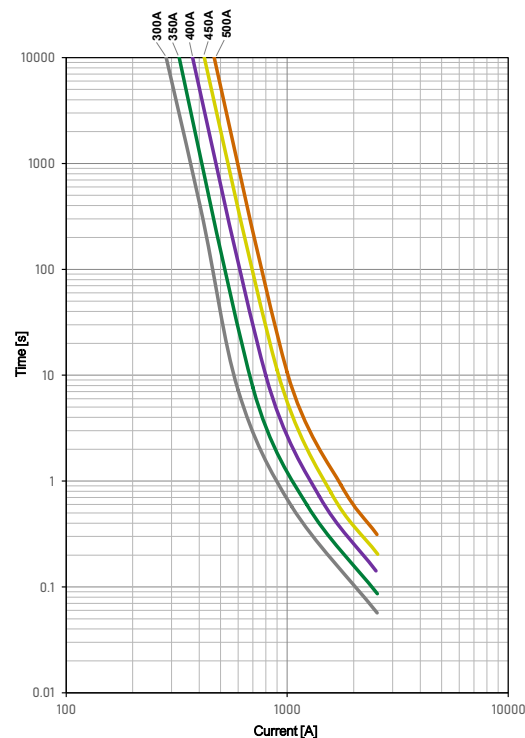
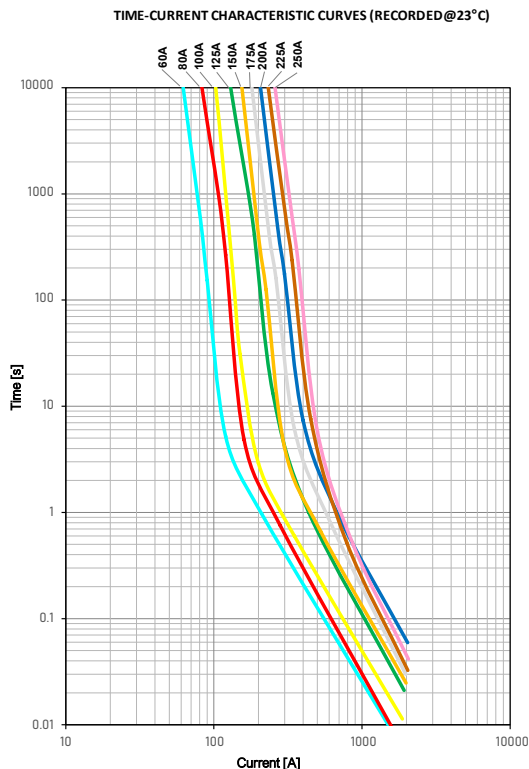
#### No-Hole version



# MEGA ISO

## Bolt-down Fuse Rated 70V

### 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<sup>2</sup>t and T/C curves will be generated from PV tests data. Please contact Littelfuse® for more details regarding availability timing.

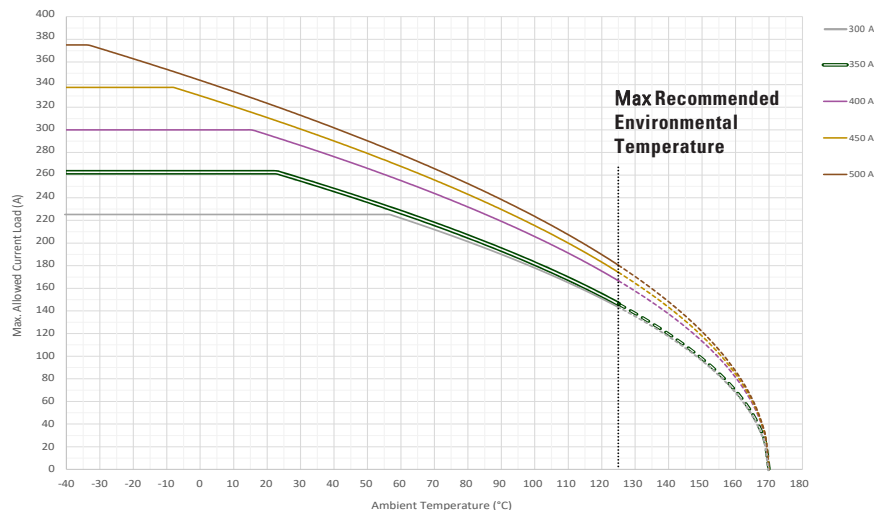
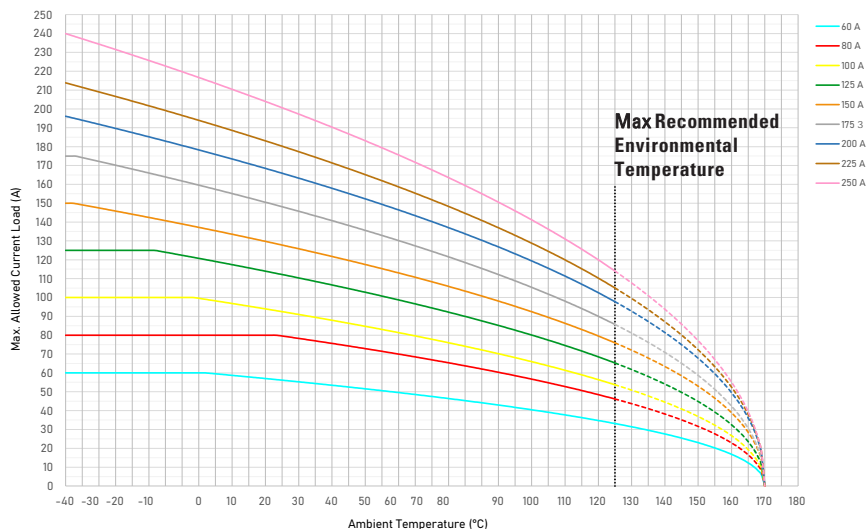
# MEGA ISO

## Bolt-down Fuse Rated 70V

### 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.

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

### Temperature Table

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