

# MIDI ISO

Rated 70 V-SF36

RoHS



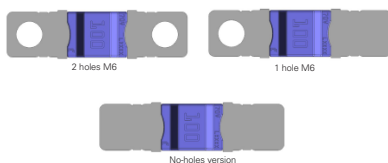
## Specifications

<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 alloy
<b>Housing Material:</b>	PPA-GF33 (UL 94 Flammability rating of HB)
<b>Typical Weight per Fuse:</b>	3.2 g
<b>Mounting Torque M6</b>	9 Nm ± 1 Nm
<b>Comply With:</b>	ISO 20934 – Type SF36

## Description

MIDI 70V ISO is the new Littelfuse bolt-down series designed to fulfill the ISO standard 20934, which makes this compact fuse the perfect solution for high current circuit protection in both 48 V systems.

Covering the complete ISO fuse ratings from 30 A to 200 A, MIDI 70V ISO is available in different versions to satisfy every kind of mounting necessities (one-hole M6, two-holes M6 and no-hole version).



## Features & Benefits

- High-contrast ampere rating stamp on housing aids identification
- Suitable for 48V networks
- Available with two, one, or no mounting holes
- High 1-time mounting torque

## Applications

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












## Ordering Information

Part Number	Current Rating (A)	Package Size	Bolt Size	Bolt Hole Qty
4998xxx.MXISO-2M6	30 - 200	700	M6	2
4998xxx.MXISO-1M6	30 - 200	700	M6	1
4998xxx.MXISO-NH	30 - 200	700	-	0

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### Ratings

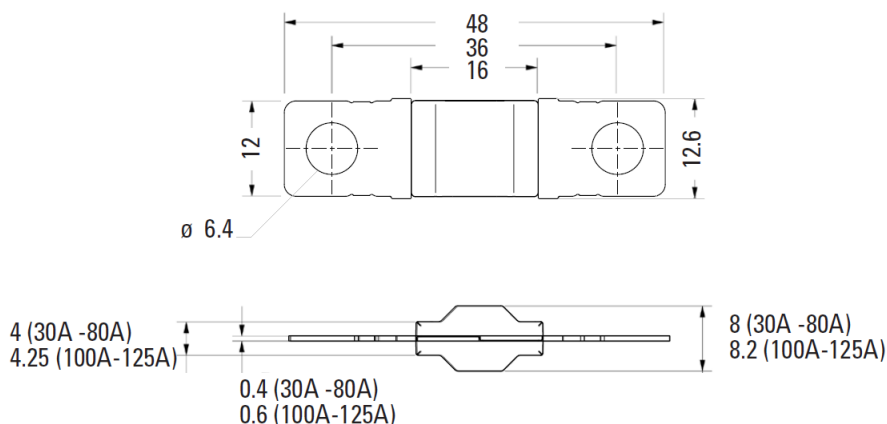
Part Number	Current Rating (A)	Color Code	Test Cable Size (mm <sup>2</sup> )	max. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
4998030.MXISO*	30		2.5	120	2.15	5500
4998040.MXISO*	40		4	120	1.54	8500
4998050.MXISO*	50		6	120	1.08	6500
4998060.MXISO*	60		6	110	0.89	14 500
4998070.MXISO*	70		10	110	0.76	25 000
4998080.MXISO*	80		10	110	0.61	22 500
4998100.MXISO*	100		10	100	0.46	52 000
4998125.MXISO*	125		16	100	0.38	78 000
4998150.MXISO*	150		25	100	0.32	114 000
4998175.MXISO*	175		25	100	0.24	207 000
4998200.MXISO*	200		35	100	0.22	207 000

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

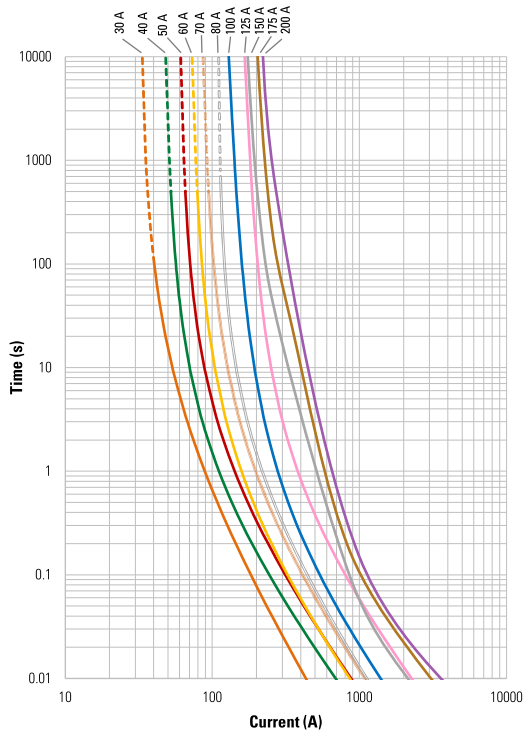
Dimensions in mm for reference only.  
See outline drawing for dimensions and tolerances



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### Time-Current Characteristic Curves



Representative Time-Current characteristic curves.

### Time-Current Characteristics

Current (%)	Opening Time (s)
	Min. / Max.
	<b>30 A - 200 A</b>
100	360,000 / ∞
135	300 / 3,600
150	90 / 500
200	1 / 50
300	0.3 / 4
500	0.1 / 1
600	0.07 / 0.7

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.