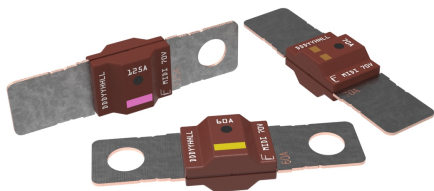


MIDI HIGH PERFORMANCE

Rated 70 V-SF36

RoHS



Specifications

Voltage Rating:	70 V DC
Interrupting Rating:	2500 A @ 70 V DC
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Tin-plated copper alloy
Housing Material:	PA66-GF25 FR (UL 94 Flammability rating of V-0)
Open State Resistance (OSR):	> 1 Mohm (after fuse opening)
Mounting Torque M6	9 Nm ± 1 Nm
Refers to:	ISO 20934 – Type SF36 Fuse ratings 150 A, 175 A and 200 A deviate from ISO standard (current cycles and current steps not applicable).
Comply With:	Standard UL 248-1 as a Special Purpose Fuse in UL File E71611 and Directive 2011/65/EU.

Description

MIDI® High Performance 70V automotive fuses protect circuits that receive large inrushes of current, such as those for fans, heaters, batteries, and starters. Silicon inserts ensure these fuses offer more than 1 Mohm of resistance in their open state. Like all bolt-down MIDI fuses, these employ diffusion pill technology to offer predictable time-delayed performance.

Features & Benefits

- High-contrast color coding on housing aids identification
- Available with two, one, or no mounting holes
- High tightening torque resistance
- Recognized as UL 248-1 Special Purpose Fuses (File E71611) and Directive 2011/65/EU

Applications

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












Ordering Information

Part Number	Current Rating (A)	Package Size	Bolt Size	Bolt Hole Qty
4998xxx.M-M6	30 - 200	500	M6	2
4998xxx.M-1M6	30 - 200	500	M6	1
4998xxx.M-NH	30 - 200	500	-	0

MIDI HIGH PERFORMANCE

Rated 70 V-SF36

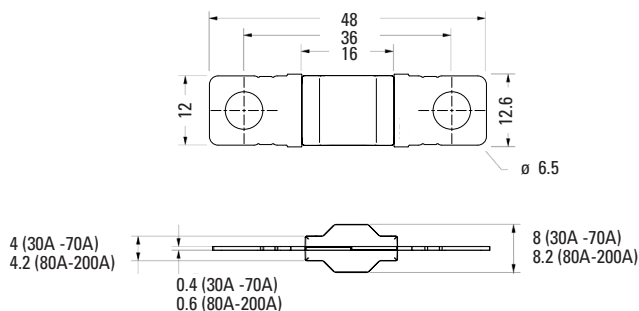
Ratings

Part Number	Current Rating (A)	Color Coding	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
4998030.M_	30		2.5	100	2.20	3200
4998040.M_	40		4	94	1.56	4700
4998050.M_	50		6	86	1.16	7500
4998060.M_	60		6	81	0.94	6800
4998070.M_	70		10	76	0.74	10 900
4998080.M_	80		10	64	0.57	10 500
4998100.M_	100		10	68	0.44	18 300
4998125.M_	125		16	66	0.35	51 300
4998150.M_	150		25	72	0.29	45 100
4998175.M_	175		25	70	0.24	88 000
4998200.M_	200		35	67	0.20	111 700

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

Dimensions

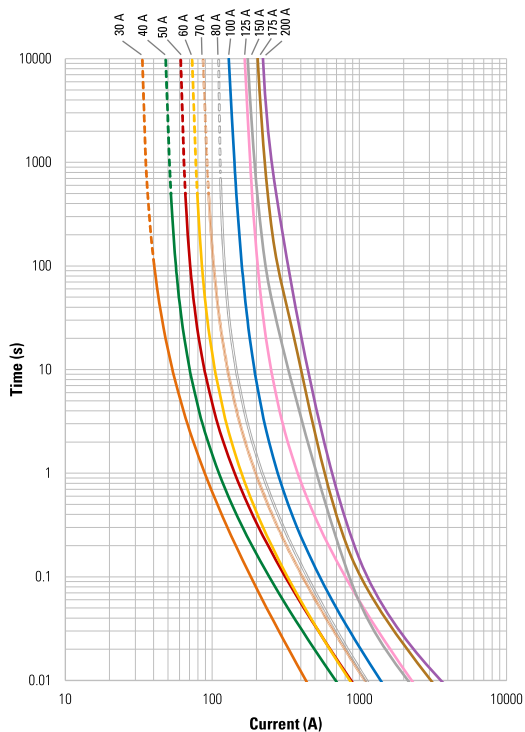
Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances



MIDI HIGH PERFORMANCE

Rated 70 V-SF36

Time-Current Characteristic Curves



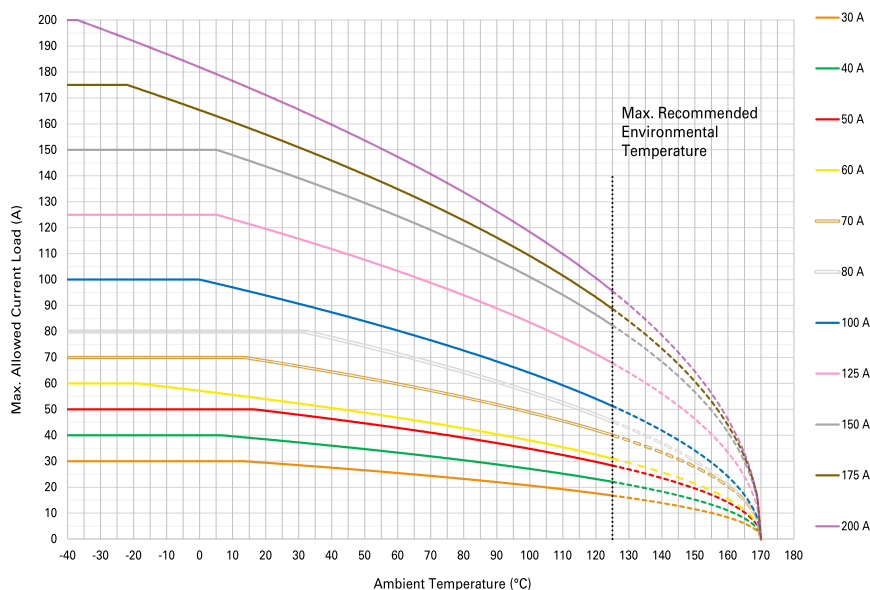
Time-Current Characteristics

Current (%)	Opening Time (s)	
	Min. / Max.	
	30 A - 200 A	
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	

Fuse ratings 150 A, 175 A and 200 A deviate from ISO standard (current cycles and current steps not applicable).

Typical Derating of Fuse Melting Element

Temperature security margin is 20 %.
Please contact Littelfuse for details regarding derating test setup.



Temperature Table

	Max. allowed current load (A) at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
30 A	30	30	29	25	23	19	17
40 A	40	40	38	33	30	25	22
50 A	50	50	49	42	38	32	28
60 A	57	57	54	46	42	35	31
70 A	70	70	69	59	53	46	40
80 A	80	80	80	70	63	52	45
100 A	100	100	94	78	71	59	51
125 A	125	125	120	101	91	78	68
150 A	150	150	144	122	110	94	82
175 A	175	165	156	132	119	101	89
200 A	200	182	171	144	130	110	96

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