

MINI® Blade Fuses

Rated 58V



Description

MINI® 58V blade fuses deliver space and weight savings while ensuring reliable circuit protection.

Specifications

Voltage Rating:	58 V dc
Interrupting Rating:	1000 A @ 58 V dc
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Silver-plated zinc alloy*
Housing Material:	PA66 (UL 94 Flammability rating of V-2)
Net Weight per Fuse:	0.57 g ± 5%
Comply With:	SAE J2077, SAE 2576, ISO 8820 and UL 248 Special Purpose Fuses

*Silver-plating allows up to 150 °C at the terminal interface.

Features & Benefits

- Color coding indicates ampere rating
- See-through housing makes it easier to see when fuse blows
- High-contrast ampere rating stamp on housing aids identification
- Same blade size and pitch as other MINI fuses
- Rejection feature makes it impossible to replace a blown MINI 58V fuse with one that has a lower voltage rating
- Checkpoints on top make it possible to measure resistance without removing the fuse

Applications

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

Ordering Information

Part Number	Current Rating (A)	Package Size
0997xxx.WXN	2-30	3000

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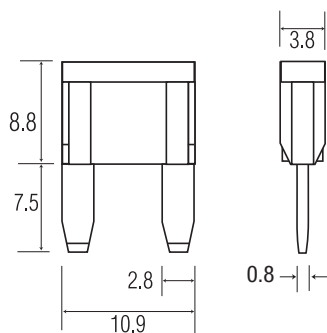
Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
0997002_	2		0.5	171	55.60	2.8
0997003_	3		0.5	153	33.75	9.4
0997004_	4		0.5	121	23.48	17
0997005_	5		0.5	129	17.75	25
099707.5_	7.5		0.75	135	10.85	68
0997010_	10		1	108	7.42	93
0997015_	15		1.5	98	4.58	270
0997020_	20		2.5	96	3.21	380
0997025_	25		2.5	86	2.36	625
0997030_	30		4	87	1.85	1100

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

Dimensions

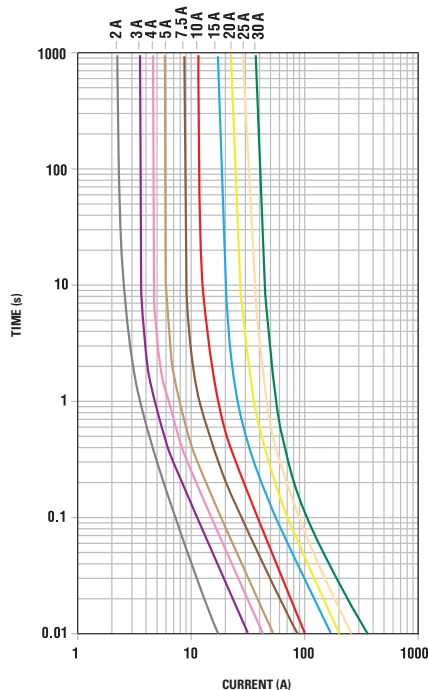
Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances.



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Time-Current Characteristic Curves



Time-Current Characteristics

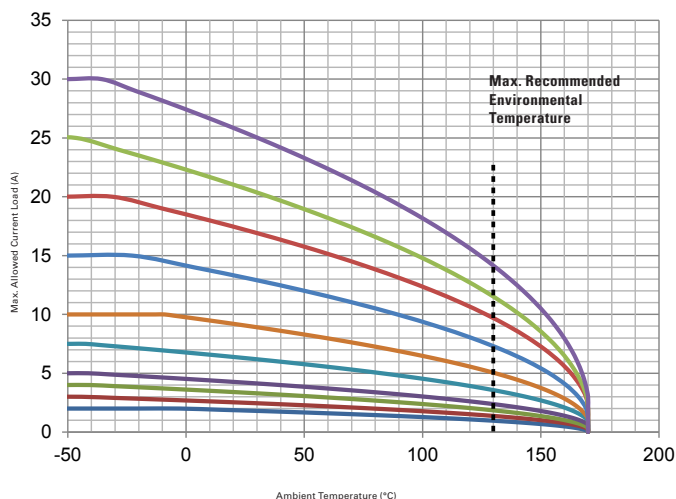
% of Rating	Opening Time Min. / Max. (s)
110	360 000 / ∞
135	0.75 / 600
200	0.15 / 5
350	0.08 / 0.5
600	0.03 / 0.1

Typical Derating of Fuse Melting Element

Temperature security margin is 20 %.

Wire cross-section and fixture test setup refer to ISO 8820-3.

Please contact Littelfuse for details regarding derating test setup.



Temperature Table

	Max. allowed current load (A) at ambient temperature (typical derating)							
	-40 °C	-20 °C	0 °C	20 °C	40 °C	60 °C	80 °C	100 °C
2 A	2.0	2.0	2.0	1.9	1.7	1.6	1.4	1.3
3 A	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.8
4 A	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.4
5 A	5.0	4.8	4.5	4.3	4.0	3.7	3.4	3.0
7.5 A	7.5	7.1	6.8	6.4	6.0	5.5	5.1	4.5
10 A	10	10	9.8	9.2	8.6	8.0	7.3	6.5
15 A	15	15	14	13	12	12	11	9.0
20 A	20	19	18	17	16	15	14	12
25 A	25	24	22	21	20	18	17	15
30 A	30	29	27	26	24	22	20	18

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