MAXI Blade Fuses

Rated 58V

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:	5.7 g ± 5 %
Comply With:	SAE J 1888, SAE 2576, and ISO 8820-3:2002(E)

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

Description

MAXI® 58 V Slo-Blo® fuses can protect circuits in automotive electrical systems up to 42 V. The blade fuses employ diffusion pill technology to provide predictable time-delay performance and low heat dissipation.

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 indentification
- Designed to prevent replacement with MAXI® 32V fuse
- 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
0999xxx.ZXN	20–80	1200

Revised: 10/26/2022

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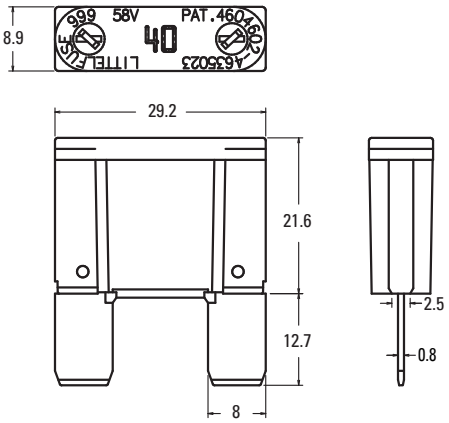
Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm^2)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I^2t (A^2s)
0999020._	20		4	76	3.10	1 100
0999025._	25		4	75	2.39	2 100
0999030._	30		4	77	1.95	4 100
0999035._	35		4	75	1.71	6 000
0999040._	40		4	75	1.42	8 500
0999050._	50		6	73	1.10	11 300
0999060._	60		6	77	0.89	15 300
0999070._	70		10	61	0.64	21 200
0999080._	80		10	62	0.54	43 600

The typical I^2t 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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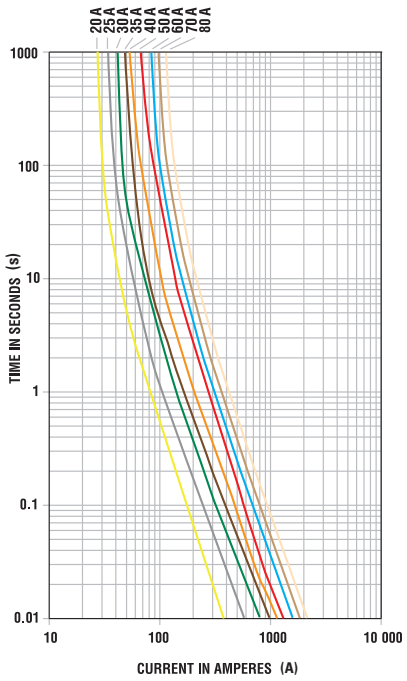
Time-Current Characteristic Curves

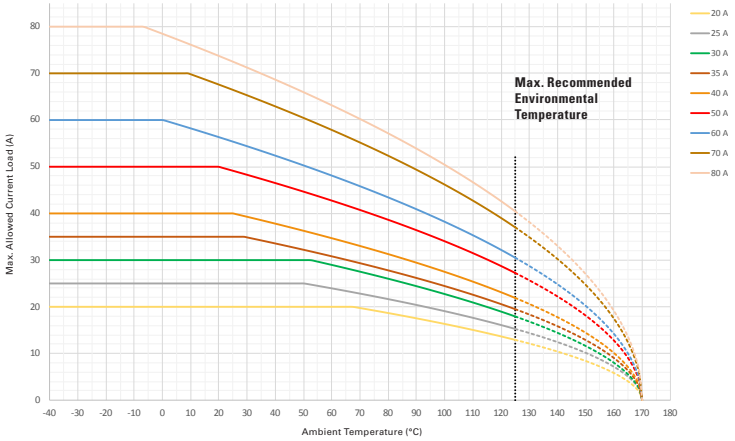


Time-Current Characteristics

% of Rating	Opening Time Min. / Max. (s)
100	360 000 / ∞
135	60 / 1800
200	2 / 60
350	0.2 / 7
600	0.04 / 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.



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

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
20 A	20	20	20	20	18	15	13
25 A	25	25	25	23	21	18	15
30 A	30	30	30	28	25	21	18
35 A	35	35	35	30	27	23	19
40 A	40	40	40	34	30	25	22
50 A	50	50	50	42	38	31	27
60 A	60	60	56	47	42	35	31
70 A	70	70	68	57	51	43	37
80 A	80	78	74	62	56	47	40

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