MAXI Blade Fuses - Aftermarket

Rated 32V

Specifications

Voltage Rating:	32 V dc
Interrupting Rating:	1000 A @ 32 V dc
Recommended Environmental Temperature:	–40 °C to +125 °C
Terminals Material:	Silver-plated zinc alloy and Tin-plated zinc alloy*
Housing Material:	PA66 (UL 94 Flammability rating of V-2)
Net Weight Per Fuse:	5.7g ± 5%
Comply With:	SAE J 1888, SAE 2576, and ISO 8820-3:2002(E)

*Tin-plating's temperature limit is ≈130 °C, Silver- plating allows up to 150 °C at the interface.

Applications

- 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
- Checkpoints on top make it possible to measure resistance without removing the fuse

Description

The MAXI™ Slo-Blo® fuses employ diffusion pill technology. This allows the blade fuses to provide predictable time-delay performance and low heat dissipation.

Features & Benefits

- Cars
- Trucks
- SUVs
- Off-road Vehicles
- Buses
- Watercraft as approved by Littelfuse®

Ordering Information

COLOR CODE	CURRENT RATING (A)	BOXED		CARDED	
		MATERIAL #	CATALOG #	MATERIAL #	CATALOG #
Yellow	20A	0MAX020.X	MAX20	0MAX020.XP	MAX20BP
Green	30A	0MAX030.X	MAX30	0MAX030.XP	MAX30BP
Orange	40A	0MAX040.X	MAX40	0MAX040.XP	MAX40BP
Red	50A	0MAX050.X	MAX50	0MAX050.XP	MAX50BP
Blue	60A	0MAX060.X	MAX60	0MAX060.XP	MAX60BP
Tan	70A	0MAX070.X	MAX70	---	---
Clear	80A	0MAX080.X	MAX80	0MAX080.XP	MAX80BP
Purple	100A	---	---	---	---

Please refer to the Littelfuse Aftermarket catalog for packaging information.

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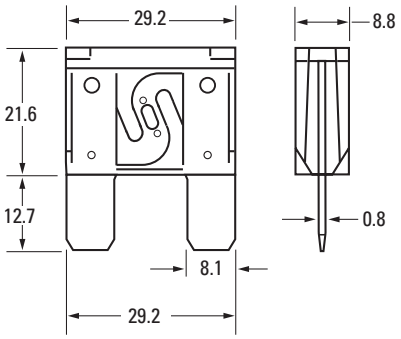
Ratings

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)
0MAX020._	20		4	76	3.10	1,100
0MAX030._	30		4	77	1.95	4,100
0MAX040._	40		4	75	1.42	8,500
0MAX050._	50		6	73	1.10	11,300
0MAX060._	60		6	77	0.89	15,300
0MAX070._	70		10	61	0.64	21,200
0MAX080._	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 the arcing occurs.

Dimensions

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



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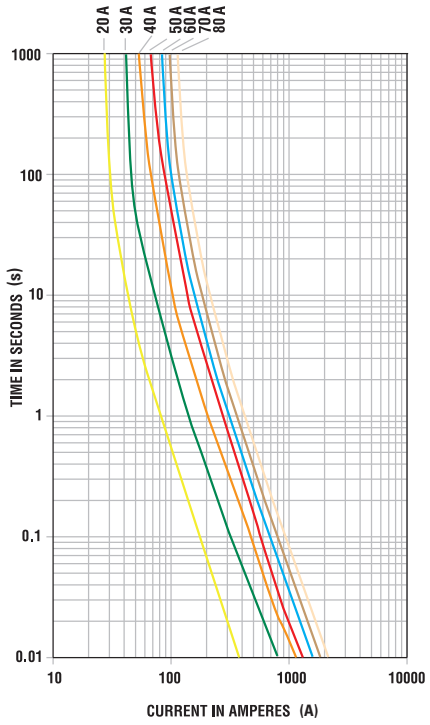
Time-Current Characteristic Curves

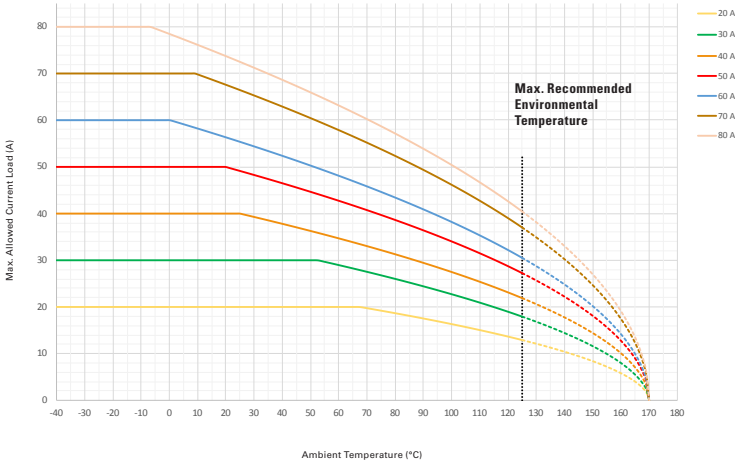


Time-Current Characteristics

% of Rating	Opening Time Min. / Max. (s)
100	360,000 / ∞
135	60 / 1,800
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
30 A	30	30	30	28	25	21	18
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