

MAXI Blade Fuses

Rated 32V



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.

Specifications

Voltage Rating:	32 V dc
Interrupting Rating:	1000 A @ 32 V dc
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Silver- or tin-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)

*Tin-plating's temperature limit is =130 °C, Silver- plating allows up to 150 °C at the 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
- 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
0299xxx.ZXNV	20–80	1200
0299xxx.L	20–80	50
0299xxx.TXN	20–80	10
MAXI Sn Fuse		
0299xxx.ZXT	20–80	1200

MAXI Blade Fuses

Rated 32V

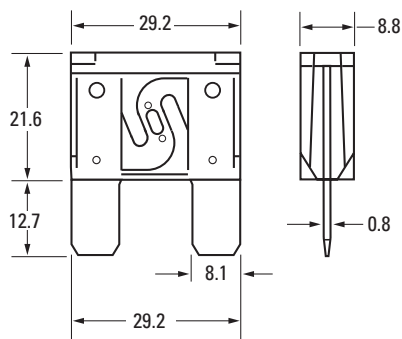
Ratings

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)
0299020._	20	Yellow	4	76	3.10	1 100
0299025._	25	Grey	4	75	2.39	2 100
0299030._	30	Green	4	77	1.95	4 100
0299035._	35	Brown	4	75	1.71	6 000
0299040._	40	Orange	4	75	1.42	8 500
0299050._	50	Red	6	73	1.10	11 300
0299060._	60	Blue	6	77	0.89	15 300
0299070._	70	Tan	10	61	0.64	21 200
0299080._	80	Light Orange	10	62	0.54	43 600

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

Dimensions

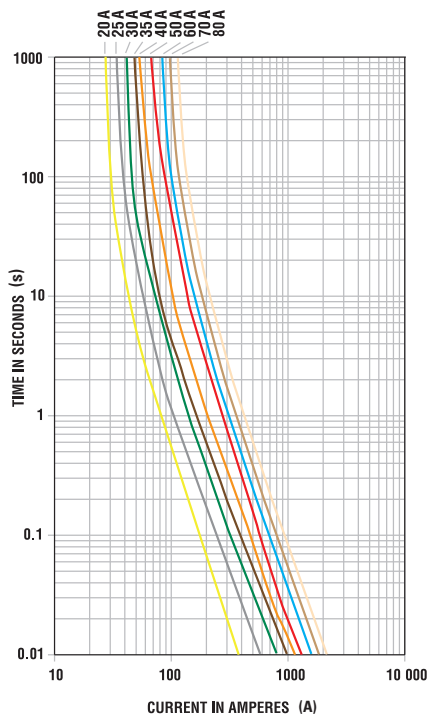
Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances.



MAXI Blade Fuses

Rated 32V

Time-Current Characteristic Curves

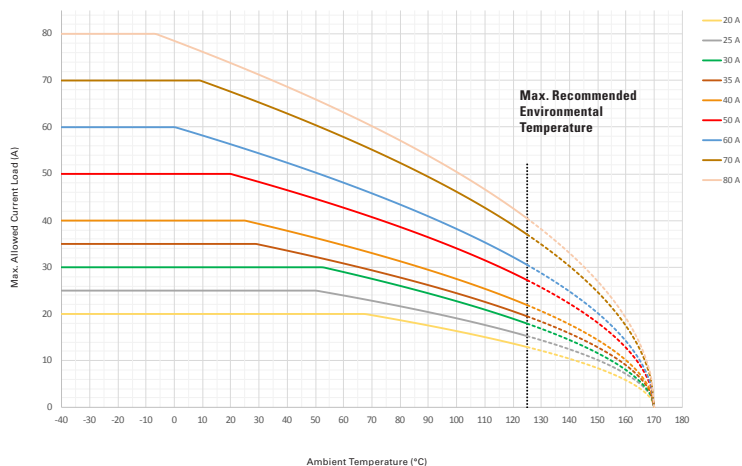


Time-Current Characteristics

% 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.



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

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