MAXI Blade fuses

Rated 32V













Agency Approvals

Agency	Agency File Number	Current Ratings (A)		
27 .	UL-US-L71611-2104-11106991-2	20-80		
(1)	UL-CA-2331871-0	20-80		

Additional Information



Resources

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

- Color coding shows the amperage rating for each fuse
- See-through housing makes it easy to check whether a fuse has blown
- Checkpoints on top make it possible to measure resistance without removing the fuse
- Simple to install and remove

- Comply with ISO 8820-3:2002
- High-contrast amperage stamp on the top of the housing aids identification.
- Silver plating allows up to 150 °C at the terminal interface

Applications

- Cars / SUVs
- Trucks
- Offroad vehicles

See Disclaimer Notice

- Buses
- Watercraft as approved by Littelfuse®

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 / Tin-plated zinc alloy *
Housing Material:	PA66 (UL 94 Flammability rating of V-2)
Typical Weight per Fuse:	5.7 g
Comply With:	ISO 8820-3:2002, SAE J 1888, SAE 2576

^{*}Note: Silver plating allows up to 150 °C at the terminal interface.

Ordering Information

Part Number	Terminal Plating	Current Rating (A)	Package Size	
0299xxx.ZXNV	Ag	20–80	1200	
0299xxx.L	Ag	20–80	50	
0299xxx.TXN	Ag	20–80	10	
0299xxx.ZXT	Sn	20–80	1200	



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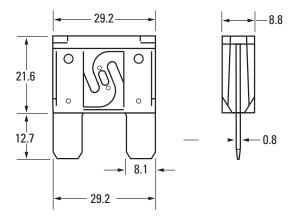
Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I²t (A²s)
0299020	20		4	76	3.1	1100
0299025	25		4	75	2.4	2100
0299030	30		4	77	1.9	4100
0299035	35		4	75	1.7	6000
0299040	40		4	75	1.4	8500
0299050	50		6	73	1.1	11 300
0299060	60		6	77	0.9	15 300
0299070	70		10	61	0.6	21 200
0299080	80		10	62	0.5	43 600

 $\textbf{Note:} \ \text{The typical } 1^2 \text{t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.}$

Dimensions

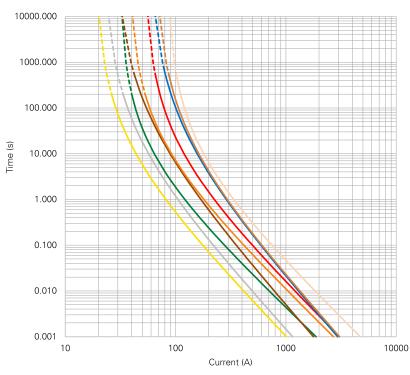
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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Time-Current Characteristic



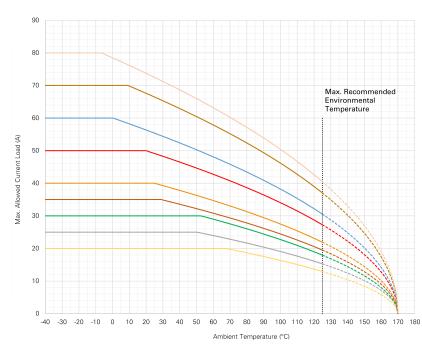
% of Rating	Opening Time Min. / Max. (s)
100	360 000 /-
135	60 / 1800
200	2 / 50
350	0.2 / 7
600	0.04 / 1

20 A — 50 A — 25 A — 60 A — 30 A — 70 A — 35 A — 80 A — 40 A

Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc..). Please contact Littelfuse® for more information.

Typical Derating Curves

Temperature security margin is 20%. Please contact Littelfuse® for Details Regarding Rerating Test Set Up



	Max. allowed current load (A) at ambient temperature based on 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
20 A	— 50 — 60						

Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc..). Please contact Littelfuse® for more information.

70 A

30 A

35 A 40 A

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