



**THE DATASHEET OF**  
**0299040.L**



# MAXI Series

## 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.

### 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
- 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
- Simple to install and remove

### Applications

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

### Agency Approvals

Agency	Agency File Number	Current Rating (A)
	UL-US-L71611-2104-11106991-2	20 - 80
	UL-CA-2331871-0	20 - 80

[See Disclaimer Notice](#)

### Specifications

<b>Voltage Rating:</b>	32 V DC
<b>Interrupting Rating:</b>	1000 A @ 32 V DC
<b>Recommended Environmental Temperature:</b>	-40 °C to +125 °C
<b>Terminals Material:</b>	Silver-plated or Tin-plated zinc alloy *
<b>Housing Material:</b>	PA66 (UL 94 Flammability rating of V-2)
<b>Typical Weight per Fuse:</b>	5.7 g
<b>Comply With:</b>	ISO 8820-3:2002, SAE J 1888, SAE 2576

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

### Additional Information



Resources



Samples

### Ordering Information

Part Number	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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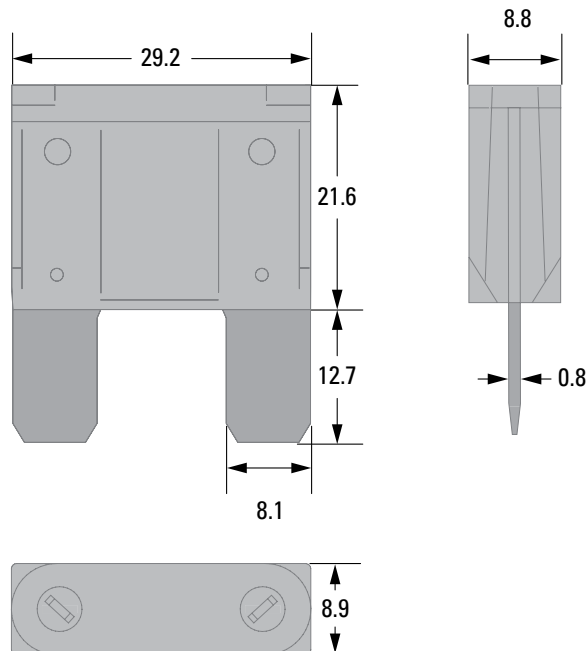
### Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
0299020_	20	Yellow	4	76	3.1	1100
0299025_	25	Grey	4	75	2.4	2100
0299030_	30	Green	4	77	1.9	4100
0299035_	35	Brown	4	75	1.7	6000
0299040_	40	Orange	4	75	1.4	8500
0299050_	50	Red	6	73	1.1	11 300
0299060_	60	Blue	6	77	0.9	15 300
0299070_	70	Tan	10	61	0.6	21 200
0299080_	80	Light Orange	10	62	0.5	43 600

**Note:** The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

### Dimensions

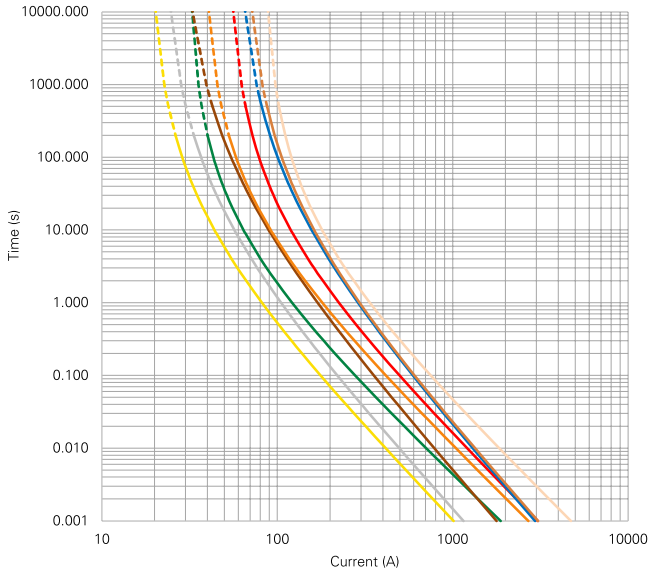
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



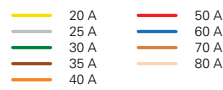
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### Time-Current Characteristic



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

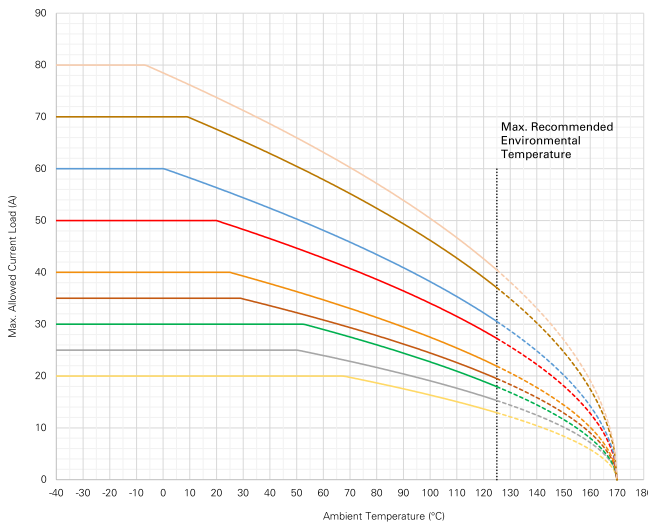


**Note:** Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

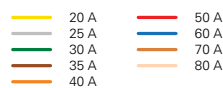
### Typical Derating Curves

Temperature security margin is 20%.

Please contact Littelfuse® for Details Regarding Derating 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
<b>20 A</b>	20	20	20	20	18	15	13
<b>25 A</b>	25	25	25	23	21	18	15
<b>30 A</b>	30	30	30	28	25	21	18
<b>35 A</b>	35	35	35	30	27	23	19
<b>40 A</b>	40	40	40	34	30	25	22
<b>50 A</b>	50	50	50	42	38	31	27
<b>60 A</b>	60	60	56	47	42	35	31
<b>70 A</b>	70	70	68	57	51	43	37
<b>80 A</b>	80	78	74	62	56	47	40



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