

# MAXI+ blade fuses

Rated 32V



## Description

The MAXI+® Fuse is new standard for vehicle circuit protection. Its miniature design meets the need for more circuits to be protected while utilizing less space, and its ability to cope with high temperatures in adverse environments makes the MAXI+® Fuse of recommended choice for protection.

## 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 8820-10:2020
- High-contrast amperage stamp on the top of the housing aids identification.
- Simple to install and remove
- Silver plating allows up to 150 °C at the terminal interface

## Agency Approvals

Agency	Agency File Number	Current Ratings (A)
	E71611-20221130-0899	60 A

## Applications

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

See Disclaimer Notice

## Additional Information



Resources

## 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 zinc alloy *
<b>Housing Material:</b>	PA66 (UL 94 Flammability rating of V-2)
<b>Typical Weight per Fuse:</b>	2 g
<b>Comply With:</b>	ISO 8820-10:2020

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

## Ordering Information

Part Number	Current Rating (A)	Package Size
0899xxx.Z	20-60	1000

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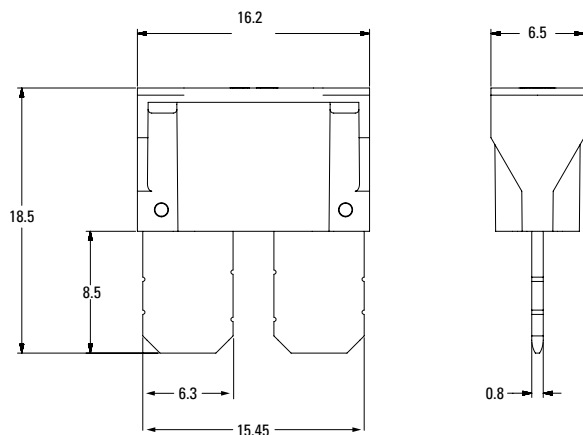
### Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	$I^2t$ (A <sup>2</sup> s)
0899020.Z	20	Yellow	1.5	80	3.0	1 300
0899025.Z	25	White	2.5	77	2.3	2 200
0899030.Z	30	Light Green	2.5	60	1.7	3 900
0899035.Z	35	Dark Green	4	58	1.2	4 900
0899040.Z	40	Orange	4	55	1.0	9 400
0899050.Z	50	Red	6	50	0.7	16 500
0899060.Z	60	Blue	6	62	0.5	17 500

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

### Dimensions

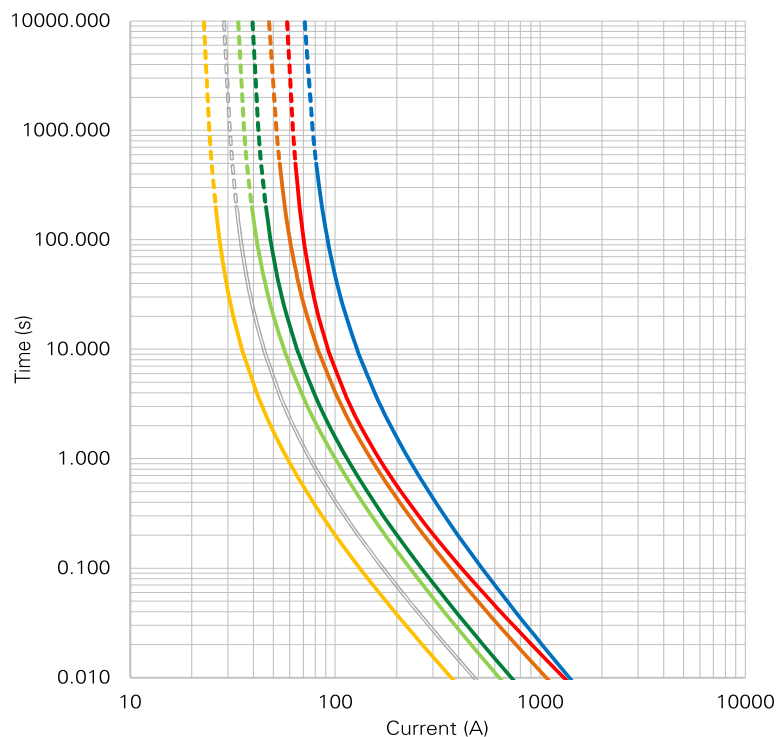
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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### Time-Current Characteristic



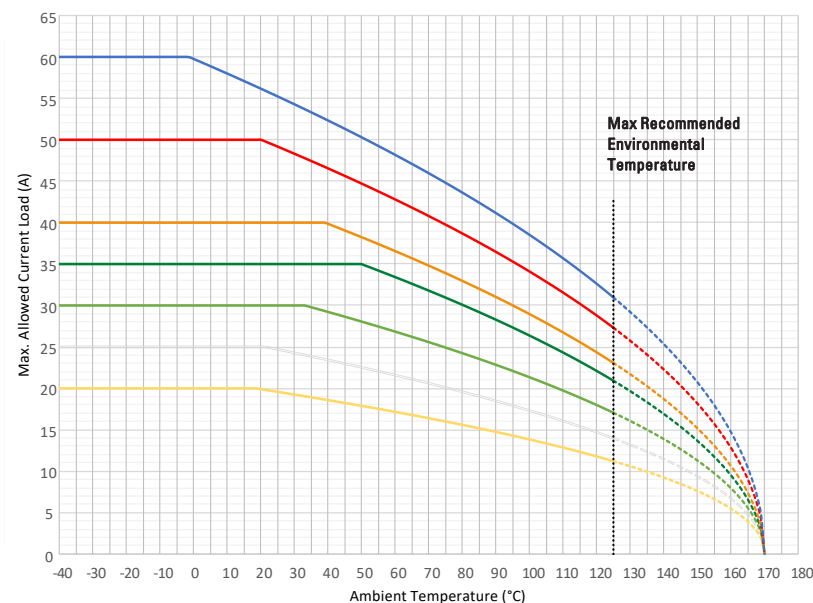
% of Rating	Opening Time	
	Min.	Max. (s)
100	360 000 / -	
135	60 / 900	
160	10 / 100	
200	2 / 50	
350	0.2 / 7	
600	0.04 / 1	

— 20 A  
 — 25 A  
 — 30 A  
 — 35 A  
 — 40 A  
 — 50 A  
 — 60 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 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
20 A	20	20	20	17	15	13	11
25 A	25	25	25	21	19	16	14
30 A	30	30	30	26	24	20	17
35 A	35	35	35	33	29	24	21
40 A	40	40	40	36	32	27	23
50 A	50	50	50	42	38	32	27
60 A	60	60	56	47	42	36	31

— 20 A  
 — 25 A  
 — 30 A  
 — 35 A  
 — 40 A  
 — 50 A  
 — 60 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.

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