Blade Fuses

MAXI+ Blade Fuses

MAXI+® Blade Fuses Rated 32V

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.

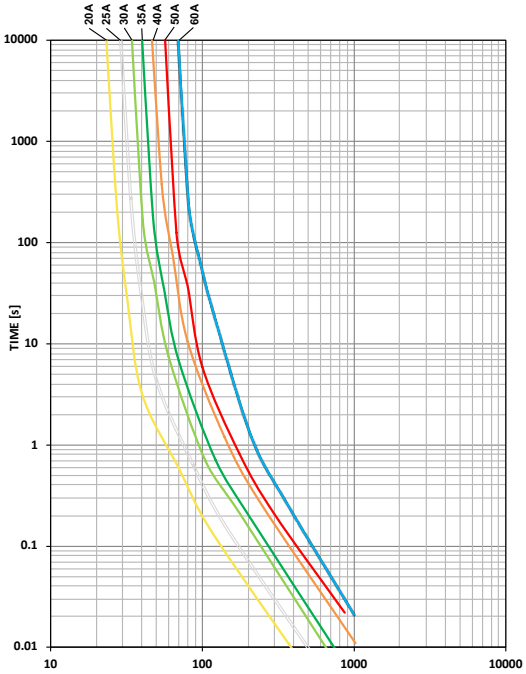
Specification

Voltage Rating:	32 VDC
Interrupting Rating:	1000A @ 32 VDC
*Recommended Environmental Temperature:	-40˚C to +125˚C
Terminals Material:	Silver plated zinc alloy
Housing Material:	PA66 (U.L. 94 Flammability rating – V2)
Net Weight Per Fuse:	2±10% gr
Refers to:	ISO 8820-10:2020

RoHS

*Silver plating allows up to 150˚C at the terminal interface.

Time-Current Characteristic Curves



Ordering Information

Part Number	Rating	Package Size
0899xxx.Z	20-60	1000

Time-Current Characteristics

% 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

Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I²t (A²s)
0899020.Z	20		1.5	80	3.0	1,300
0899025.Z	25		2.5	77	2.3	2,200
0899030.Z	30		2.5	60	1.7	3,900
0899035.Z	35		4	58	1.2	4,900
0899040.Z	40		4	55	1.0	9,400
0899050.Z	50		6	50	0.7	16,500
0899060.Z	60		6	62	0.5	17,500

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

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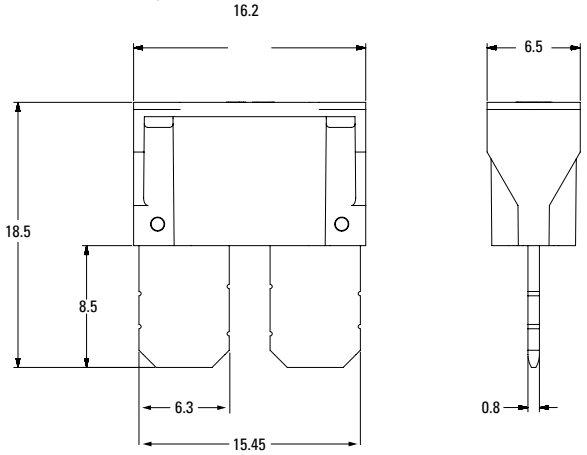
Dimensions

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

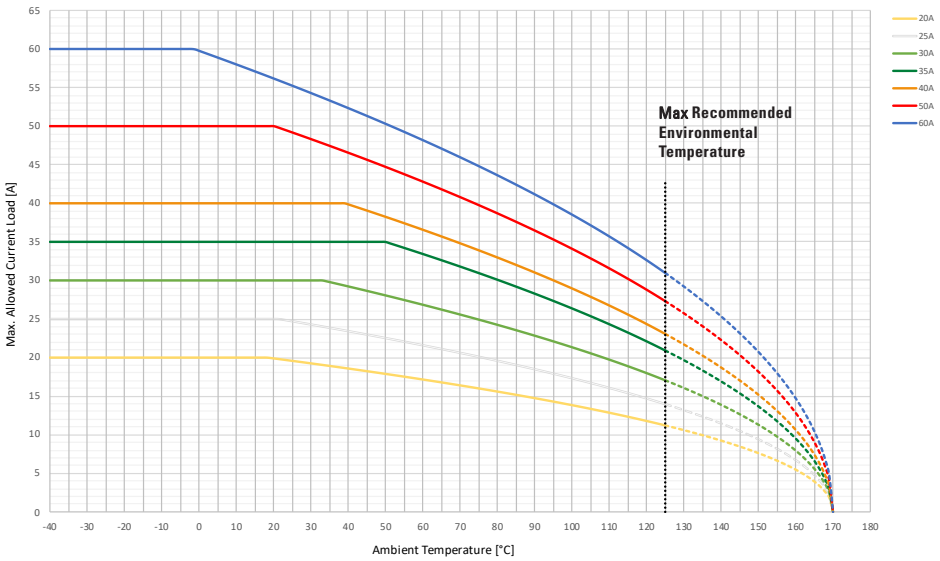


Temperature Table

	max. allowed current load [A] at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
20A	20	20	20	17	15	13	11
25A	25	25	25	21	19	16	14
30A	30	30	30	26	24	20	17
35A	35	35	35	33	29	24	21
40A	40	40	40	36	32	27	23
50A	50	50	50	42	38	32	27
60A	60	60	56	47	42	36	31

Typical Derating Of Fuse Melting Element

Temperature Security Margin is 20%
Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-10:2020
Please contact Littelfuse® for details regarding Derating Test Set Up.



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