

MAXI Blade Fuses Rated 58V

The MAXI® style fuse for use in 42V Systems. Same Time-Current characteristic as the 32V MAXI fuse using “Diffusion Pill Technology” to provide predictable time delay characteristics and low heat dissipation. Fits into standard MAXI® fuse sockets. Has a rejection feature to prevent fuses with lower voltage rating from being wrongfully inserted into the circuit. Current rating 20A - 80A @58 VDC max.



MAXI Blade Fuses

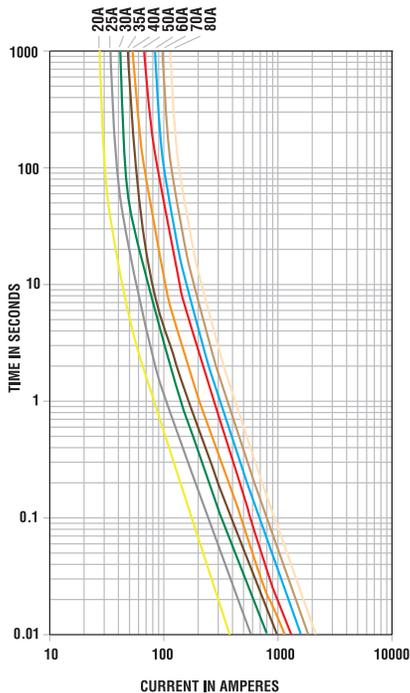
Specifications

Voltage Rating:	58 VDC
Interrupting Rating:	1000A @ 58 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:	5.7±5% gr
Complies with:	SAE J 1888, SAE 2576 ISO 8820-3:2002(E)



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

Time-Current Characteristic Curves



Ordering Information

Part Number	Rating	Package Size
0999xxx.ZXN	20 - 80	1200

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360,000 / ∞
135	60 / 1,800
200	2 / 60
350	0.2 / 7
600	0.04 / 1

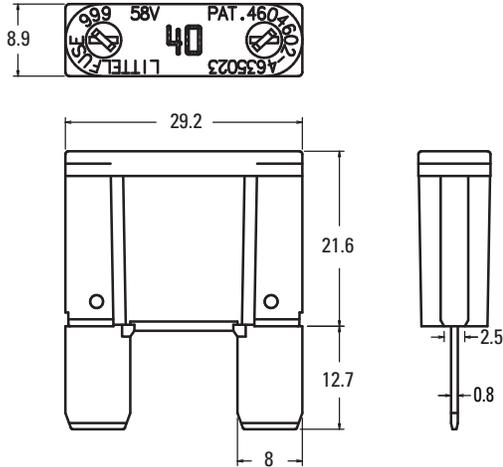
Ratings

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)
0999020_	20	Yellow	4	76	3.10	1,100
0999025_	25	Grey	4	75	2.39	2,100
0999030_	30	Green	4	77	1.95	4,070
0999035_	35	Brown	4	75	1.71	6,00
0999040_	40	Orange	4	75	1.42	8,500
0999050_	50	Red	6	73	1.10	11,300
0999060_	60	Blue	6	77	0.89	15,300
0999070_	70	Tan	10	61	0.64	21,200
0999080_	80	Light Orange	10	62	0.54	43,600

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Dimensions

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

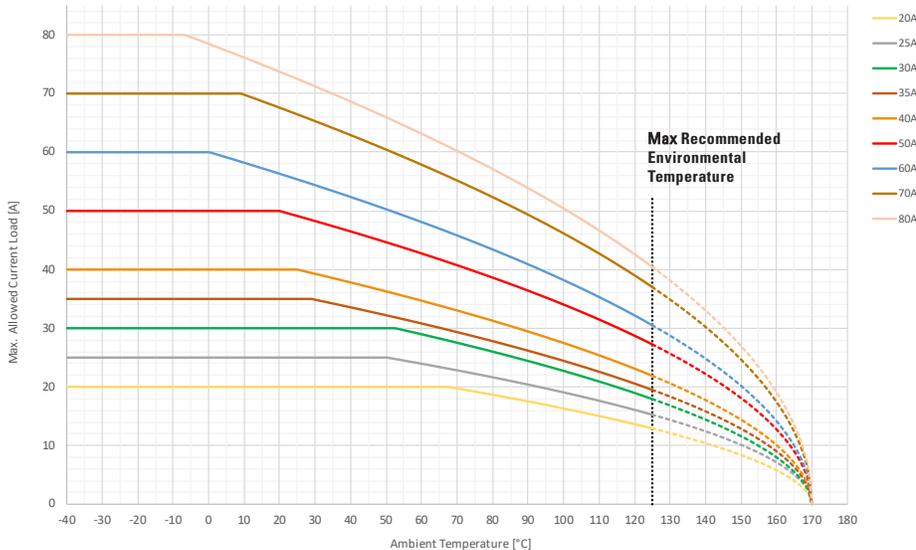


Temperature Table

	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	20	18	15	13
25A	25	25	25	23	21	18	15
30A	30	30	30	28	25	21	18
35A	35	35	35	30	27	23	19
40A	40	40	40	34	30	25	22
50A	50	50	50	42	38	31	27
60A	60	60	56	47	42	35	31
70A	70	70	68	57	51	43	37
80A	80	78	74	62	56	47	40

Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%
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.

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