





MAXI Sn Fuse (tin plated)

Time-Current Characteristic Curves



MAXI Blade Fuses Rated 32V

The MAXI® fuse uses "Diffusion Pill Technology" to provide predictable time delay characteristics and low heat dissipation.

Spec	fications

Voltage Rating: Interrupting Rating: *Recommended Environmental Temperature: Terminals Material: Housing Material:

Net Weight Per Fuse: Complies with:

MAXI (Silver Plated)

32 VDC 1000A @ 32 VDC -40°C to +125°C Silver plated zinc alloy PA66 (U.L. 94 Flammability rating – V2) 5.7±5% gr SAE J 1888, SAE 2576, ISO 8820-3:2002(E)

MAXI Sn

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(Tin Plated) 32 VDC 1000A @ 32 VDC -40°C to +125°C Tin plated zinc alloy PA66 (U.L. 94 Flammability rating – V2) 5.7±5% gr SAE J 1888, SAE 2576, ISO 8820-3:2002(E)

*Tin plating's temperature limit is \approx 130°C, Silver plating allows up to 150°C at the interface.



Ordering Information

Opening Time Package Part Number % of Rating Rating Min / Max (s) Size 0299xxx.ZXNV 20 - 80 1200 100 360,000 /∞ 0299xxx.L 20 - 80 135 60 / 1,800 50 0299xxx.TXN 20 - 80 10 200 2 / 60 350 0.2 / 7 **MAXI Sn Fuse** 0299xxx.ZXT 20 - 80 1200 600 0.04 / 1

Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (m Ω)	Typ. I²t (A²s)
0299020	20		4	76	3.10	1,100
0299025	25		4	75	2.39	2,100
0299030	30		4	77	1.95	4,100
0299035	35		4	75	1.71	6,000
0299040	40		4	75	1.42	8,500
0299050	50		6	73	1.10	11,300
0299060	60		6	77	0.89	15,300
0299070	70		10	61	0.64	21,200
0299080	80		10	62	0.54	43,600

The typical I²t 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	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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