

MAXI Blade Fuses Rated 32V

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

Specification

	MAXI (Silver Plated)	MAXI Sn (Tin Plated)
Voltage Rating:	32 VDC/32 VDC	
Interrupting Ratings:	1000A @ 32 VDC	1000A @ 32 VDC
*Component Level Temperature Range:	-40°C to +125°C	-40°C to +105°C
**System Level Temperature Range:	-40°C to +105°C	-40°C to +85°C
	<i>105°C and 85°C are typical system level temperature requirements.</i>	
Terminals:	Ag plated zinc alloy	Sn plated zinc alloy
Housing Material:	PA66 PA66	
Complies with:	SAE J 1888, SAE 2576, ISO 8820-3:2002(E)	SAE J 1888, SAE 2576, ISO 8820-3:2002(E)



Ordering Information

Part Number	Package Size
0299xxx.ZXNV	1200
0299xxx.L	50
0299xxx.TXN	10
MAXI Sn Fuse	
0299xxx.ZXT	1200

Time-Current Characteristics

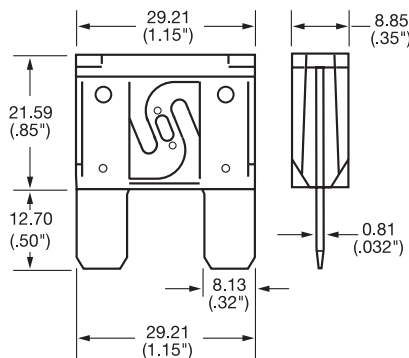
% of Rating	Opening Time Min / Max (s)
100	360,000 s / –
135	60 s / 1,800 s
200	2 s / 60 s
350	0.20 s / 7 s
600	0.040 s / 1 s

Ratings

Part Number	Current Rating (A)	Housing Material Color	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	I ² t (A ² s)
0299020_	20	Yellow	76	3.10	1100
0299025_	25	Grey	75	2.39	2087
0299030_	30	Green	77	1.95	4070
0299035_	35	Brown	75	1.71	6032
0299040_	40	Orange	75	1.42	8450
0299050_	50	Red	73	1.10	11300
0299060_	60	Blue	77	0.89	15300
0299070_	70	Tan	61	0.64	21200
0299080_	80	Light Orange	62	0.54	43600

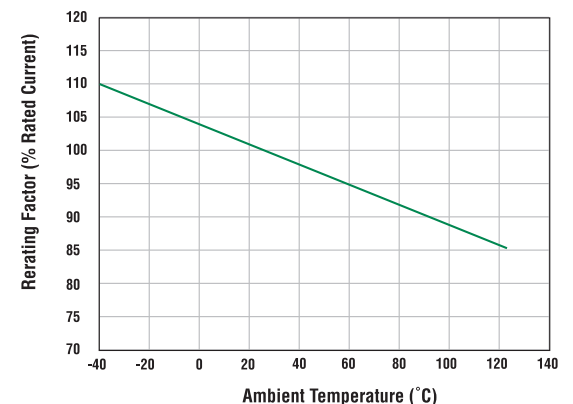
Dimensions

Dimensions in mm



Temperature Derating Curve

MAXI Fuse Temperature Derating Curve

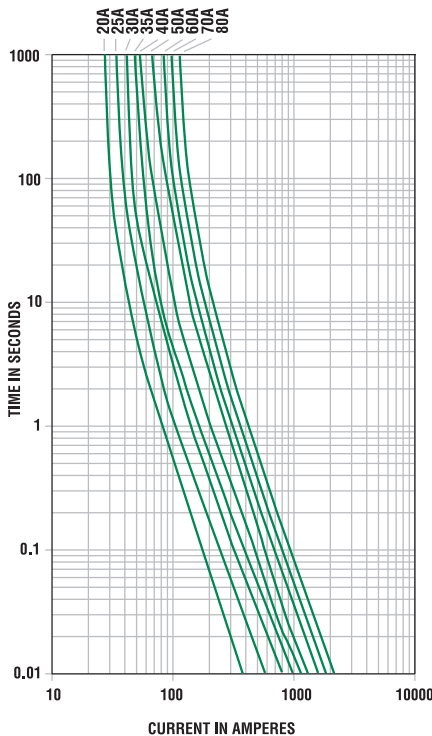


MAXI Blade Fuses



MAXI Sn Fuse (tin plated)

Time-Current Characteristic Curves



*Component Level Temperature = the maximum ambient temperature that a single fuse will survive. This does not factor in the heat from a populated fuse box, but does include the heat from the current load with the proper derating. **System Level Temperature represents the ambient temperature of the fuse box at a location within the vehicle. The temperature within a populated fuse box (in a given location) will be higher. The limiting factor is the plating. Sn-plating's temperature limit is ~130°C, and Ag-plating allows up to 150°C at the terminal interface.

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