

Blade Fuses



MAXI Blade Fuses

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.

Specifications

Voltage Rating: 58 VDC
 Interrupting Ratings: 1000A @ 58 VDC
 *Component Level Temperature Range: -40°C to +125°C
 **System Level Temperature Range: -40°C to +105°C
105°C is a typical system level temperature requirement.

Terminals: Ag plated zinc alloy
 Housing Material: PA66
 Complies with: SAE J 1888, SAE 2576
 ISO 8820-3:2002(E)



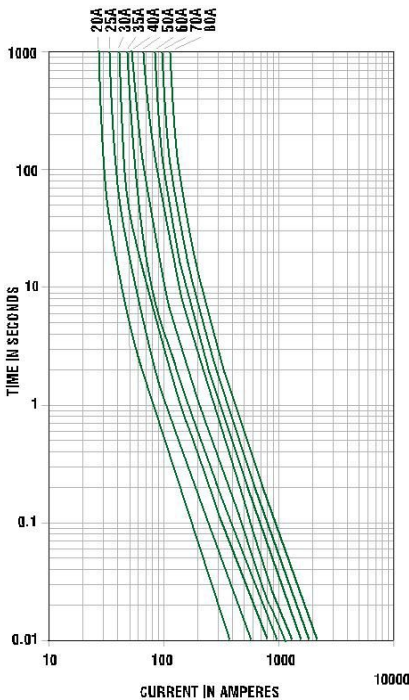
Ordering Information

Part Number	Package Size
0999xxx.ZXN	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

Time-Current Characteristic Curves

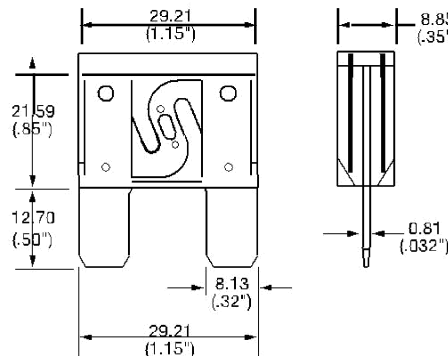


Ratings

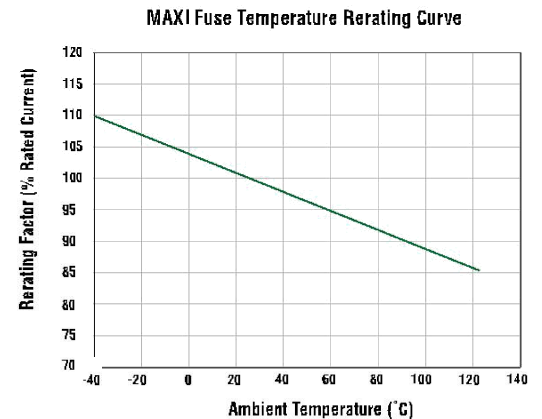
Part Number	Current Rating (A)	Housing Material Color	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	I ² t (A ² s)
0999020_	20	Yellow	76	3.10	1100
0999025_	25	Grey	75	2.39	2087
0999030_	30	Dark Green	77	1.95	4070
0999035_	35	Brown	75	1.71	6032
0999040_	40	Orange	75	1.42	8450
0999050_	50	Red	73	1.10	11300
0999060_	60	Blue	77	0.89	15300
0999070_	70	Brown	61	0.64	21200
0999080_	80	Light Yellow	62	0.54	43600

Dimensions

Dimensions in mm



Temperature Rerating Curve



***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 rerating.
****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.