

MINI® Blade Fuses Rated 32V

The MINI® Fuse is the 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 MINI® Fuse of recommended choice for protection.

Specification

Interrupting Rating:

MINI
(Silver Plated)

MINI Sn
(Tin Plated)

Voltage Rating:

1000A @ 32 VDC
32 VDC

1000A @ 32 VDC
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

105°C and 85°C are typical system level temperature requirements.

Terminals:

Ag plated zinc alloy

Sn plated zinc alloy

Housing Material:

PA66

PA66

Complies with:

SAE J2077, ISO 8820-3,
UL 248 Special Purpose Fuses

SAE J2077, ISO 8820-3
not UL recognized



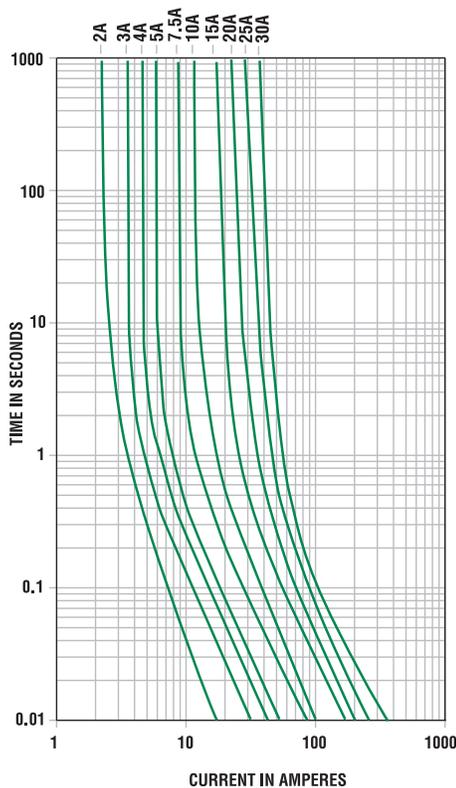
Ordering Information

Part Number	Package Size
0297xxx.WXNV	3000
0297xxx.U	500
0297xxx.H	100
0297xxx.L	50
MINI® Sn Fuse	
0297xxx.WXT	3000

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360,000 s / -
135	0.75 s / 600 s
200	0.15 s / 5 s
350	0.080 s / 0.500 s
600	0.030 s / 0.100 s

Time-Current Characteristic Curves



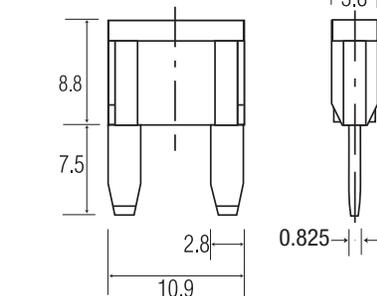
Component Level Temperature** = the maximum ambient temperature that a single fuse will survive. This does not factor-in the heat from a populated fuse box, but does include the heat from the current load with the proper rerating. *System Level Temperature** represents the ambient temperature of the 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.

Ratings

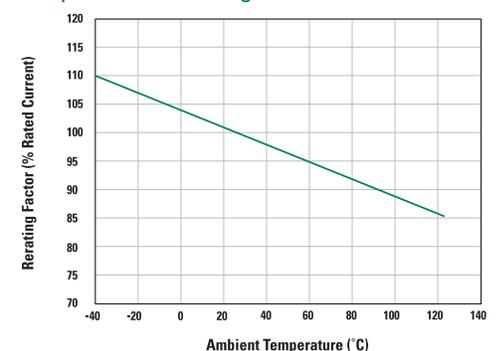
Part Number	Current Rating (A)	Housing Material Color	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	I ² t (A ² s)
0297002_	2	Grey	171	55.60	2.8
0297003_	3	Purple	153	33.75	9.4
0297004_	4	Pink	121	23.48	17
0297005_	5	Orange	129	17.75	25
029707.5_	7.5	Brown	135	10.85	68
0297010_	10	Red	108	7.42	93
0297015_	15	Blue	98	4.58	270
0297020_	20	Yellow	96	3.21	380
0297025_	25	Light Orange	86	2.36	625
0297030_	30	Green	87	1.85	1130

Dimensions

Dimensions in mm



Temperature Rerating Curve



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