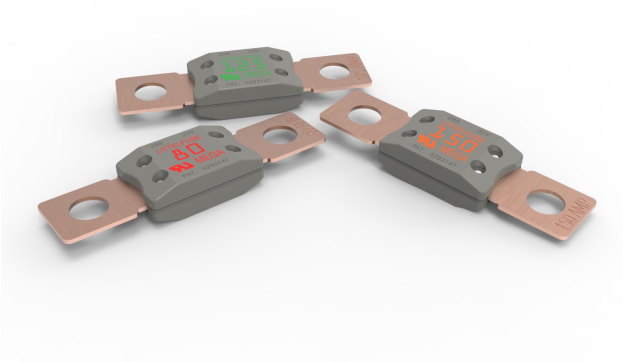
MEGA® UL Recognized

Rated 32V



Specifications

Voltage Rating:	32 VDC
Interrupting Rating:	2000A @ 32 VDC
Recommended Environmental Temperature:	-40˚C to +125˚C
Terminals Material:	Copper alloy
Housing Material:	PPA-GF30FR (U.L. 94 Flammability rating - V0)
Mounting Torque M8:	12-18 Nm
Complies with:	ISO 8820-5, UL 248 Special Purpose Fuses

Description

The MEGA® UL Recognized automotive fuses employ diffusion pill technology to provide predictable time-delayed circuit protection. The bolt-down automotive fuses are ideal for protecting batteries, alternators, and heavy gauge cables that experience large inrushes of current.

Features & Benefits

- UL recognized fuses
- High-contrast ampere rating stamp aids identification
- Reliable in ultra-high current applications

Applications

- Cars
- Trucks
- SUVs
- Offroad vehicles
- Buses
- Watercraft as approved by Littelfuse®

Ordering Information

Part Number	Rating	Package Size	Bolt Size
0298xxx.ZXEH-UL	80 - 175	500	M8

Revised: 11/30/2022

MEGA® Low Temperature

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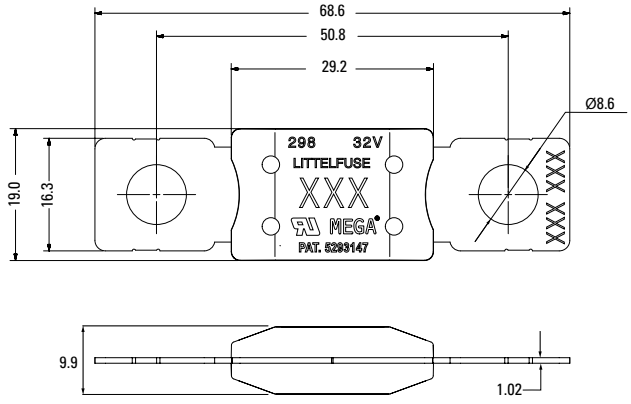
Ratings

Part Number	Current Rating (A)	Color Code	Test Cable Size (mm^2)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I^2t (A^2s)
0298080.ZXEH-UL	80		10	87	0.72	21 500
0298100.ZXEH-UL	100		16	87	0.56	31 100
0298125.ZXEH-UL	125		16	80	0.42	57 800
0298150.ZXEH-UL	150		25	92	0.35	100 000
0298175.ZXEH-UL	175		25	62	0.23	168 000

The typical I^2t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

Dimensions

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



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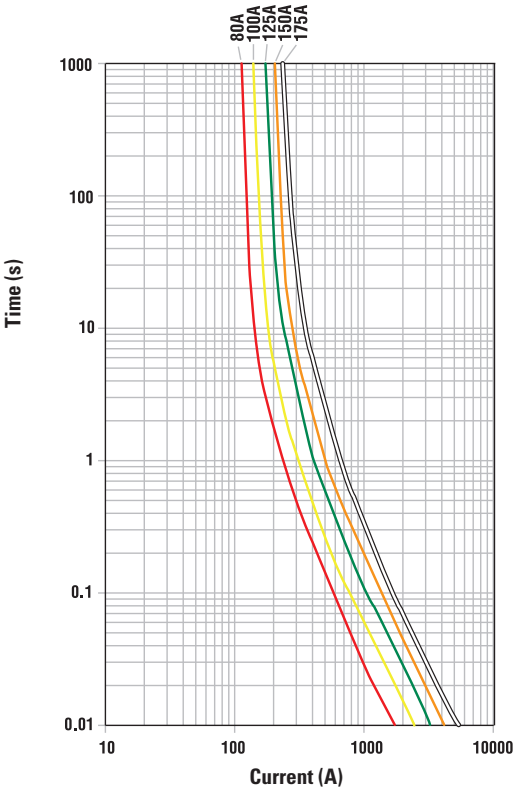
Time-Current Characteristic Curves

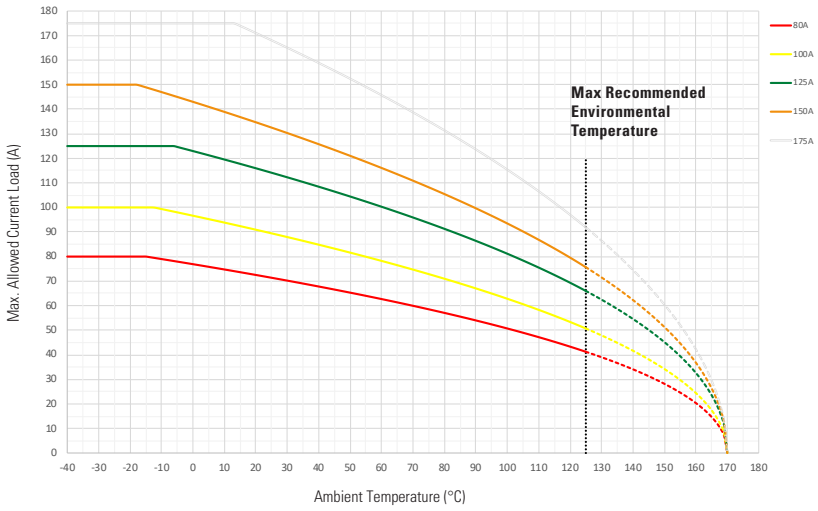


Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
	80 A - 175 A
75	– / –
100	14 400 / ∞
135	120 / 1 800
200	1 / 15
350	0.3 / 5
500	– / –
600	0.1 / 1

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.

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
80 A	80	77	73	61	56	47	41
100 A	100	97	91	76	69	58	51
125 A	125	123	116	98	89	76	66
150 A	150	143	135	114	103	87	76
175 A	175	175	171	142	128	107	92