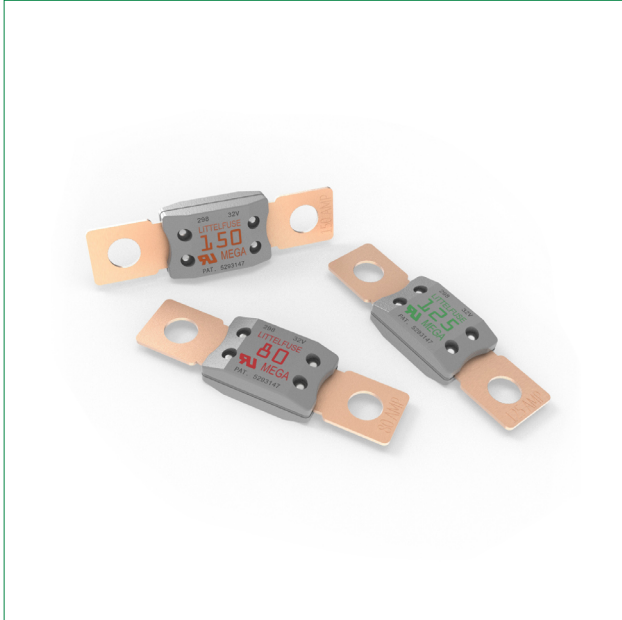


MEGA® UL Recognized Series

Bolt-down Fuses – Rated 32V



Description

UL Recognized MEGA® 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

- Available with ratings of 80 A to 175 A
- Operate at up to 125 °C
- Mounting of M8 of 12 ± 1 Nm (Max allowed 18 Nm)
- Certified lead-free and RoHS compliant
- Reliable in ultra-high-current applications
- Comply with ISO 8820-5
- High-contrast, color-coded ampere rating stamps on housings aid identification

Applications

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

Agency Approvals

Agency	Agency File Number	Current Rating (A)
	XX	XX

Additional Information



Resources



Samples

Specifications

Voltage Rating:	32 V DC
Interrupting Rating:	2000 A @ 32 V DC
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:	Mounting of M8 of 12 ± 1 Nm (Max allowed 18 Nm)
Comply With:	ISO 8820-5, UL 248 Special Purpose Fuses






Ordering Information

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

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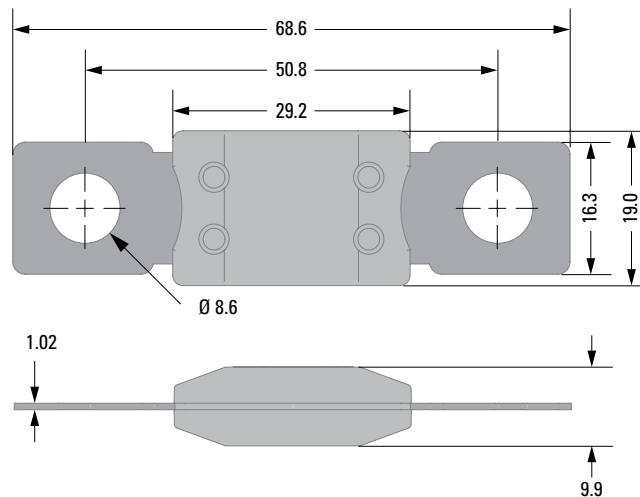
Ratings

Part Number	Current Rating (A)	Color Code	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
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

Note: The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

Dimensions

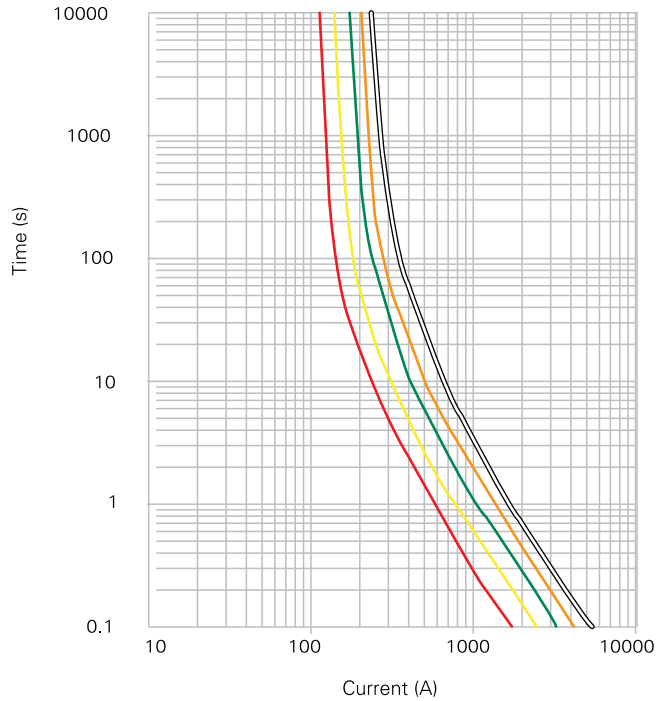
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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Time-Current Characteristic



% of Rating	Opening Time Min. / Max. (s)
75	- / -
100	14 400 / -
135	120 / 1800
200	1 / 15
350	0.3 / 5
500	- / -
600	0.1 / 1

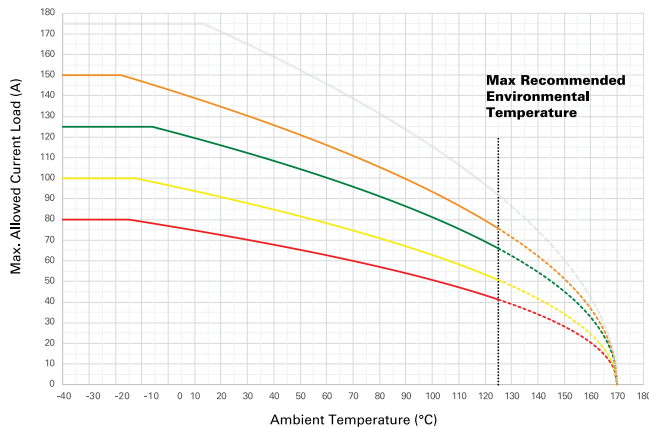
— 80 A
 — 100 A
 — 125 A
 — 150 A
 — 175 A

Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

Typical Derating Curves

Temperature security margin is 20%.

Please contact Littelfuse® for Details Regarding Derating Test Set Up.



	Max. allowed current load (A) at ambient temperature based on typical derating						
	-40 °C	0 °C	20 °C	65 °C	85 °C	110 °C	125 °C
80A	80	77	73	61	56	47	41
100A	100	97	91	76	69	58	51
125A	125	123	116	98	89	76	66
150A	150	143	135	114	103	87	76
175A	175	175	171	142	128	107	92

— 80 A
 — 100 A
 — 125 A
 — 150 A
 — 175 A

Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at <https://www.littelfuse.com/legal/disclaimers/product-disclaimer.aspx>