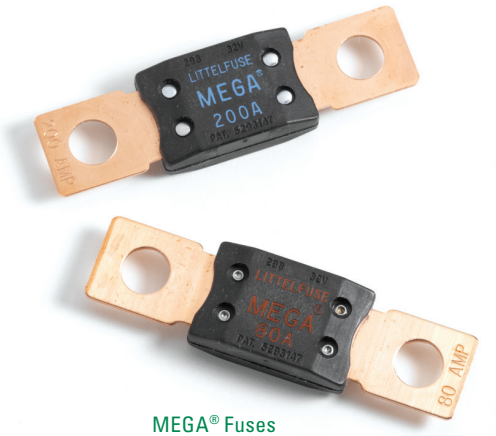
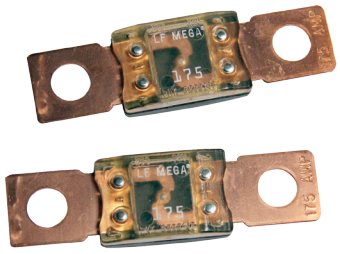


MEGA® Fuses



MEGA® Clear Top Housing Fuse

MEGA® and MEGA® Clear Top Fuse Rated 32V

The MEGA® Fuse is designed for high current circuit protection up to 500A with "Diffusion Pill Technology." The MEGA® Fuse also provides time delay characteristics. Designed and patented by Littelfuse, the MEGA® Fuse is ideal for battery and alternator protection application and other heavy gauge cables requiring ultra-high current protection.

Specifications

Interrupting Rating:	2000A @ 32 VDC
Voltage Rating:	32 VDC
Operating Temperature Range:	-40˚C to + 125˚C
Housing Material:	PPA-GF33HS
Clear Top Housing Material:	PES (top) PPA-GF33HS (bottom)
Terminals:	Copper (Silver plated copper available) M6 or M8 bolts available
Mounting Torque:	8-14 Nm M6 12-18 Nm M8
Complies with:	ISO 8820-5

RoHS

Ordering Information

Part Number	Rating	Package Size	Plating	Bolt Size	Bolt Hole Qty
0298xxx.ZXEH	80 - 250	500	None	M8	2
0298xxx.ZXH	300 - 500	500	None	M8	2
0298xxx.UX1M8	80 - 500	500	None	M8	1
0298xxx.ZXB	40 - 250	500	Ag	M8	2
0298xxx.ZXA	80 - 500	500	None	M6	2
MEGA Clear Top Housing Material Fuse					
0298xxx.UXT	40 - 250	500	None	M8	2

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)	
	40-250	300-500
75	– / –	14,400 s / –
100	14,400 s / –	– / –
135	120 s / 1800 s	– / –
200	1 s / 15 s	1 s / 15 s
350	0.300 s / 5 s	0.500 s / 5 s
600	0.100 s / 1 s	0.100 s / 1 s

Ratings

Part Number	Current Rating (A)	Font Color*	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	I^2t (A^2s)
0298040._[1]	40	–	132	2.510	8700
0298060._[1]	60	–	119	1.504	21000
0298080._	80		87	0.720	21500
0298100._	100		87	0.562	31100
0298125._	125		80	0.423	57800
0298150._	150		92	0.352	100000
0298175._	175		86	0.294	168000
0298200._	200		83	0.257	204000
0298225._	225		82	0.222	257000
0298250._	250		82	0.201	389000
0298300._[2]	300		74 **	0.167	315000
0298350._[2]	350		68 **	0.138	500000
0298400._[2]	400		64 **	0.126	610000
0298450._[2]	450		60 **	0.112	1050000
0298500._[2]	500		58 **	0.092	2050000

Note 1: Not mentioned in ISO standards Note 2: Short Circuit Protector only
* 0298xxx.ZXB has white font color on all ratings.
** Voltage Drop measurements for short circuit protectors taken at 75% of rated current.

Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, automotive, military, aerospace, medical, life-saving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.

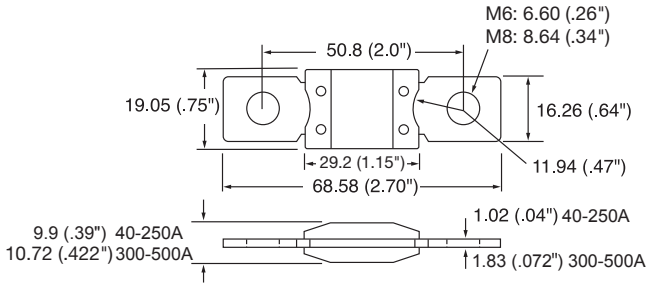
High Current Fuses

Littelfuse
Expertise Applied | Answers Delivered

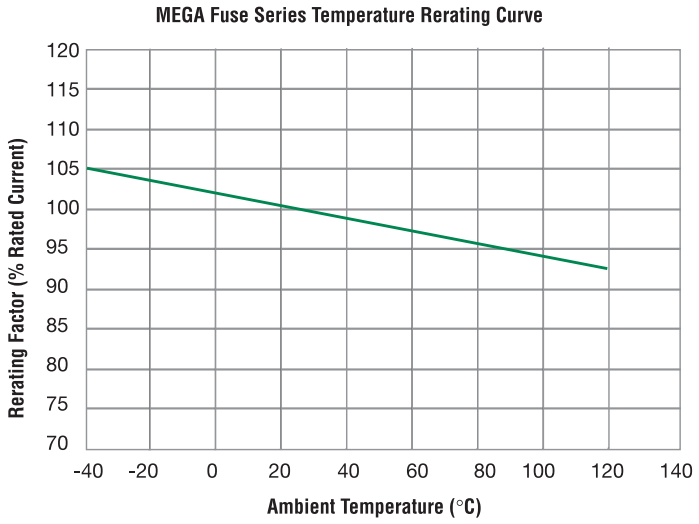
MEGA® Fuse Rated 32V

Dimensions

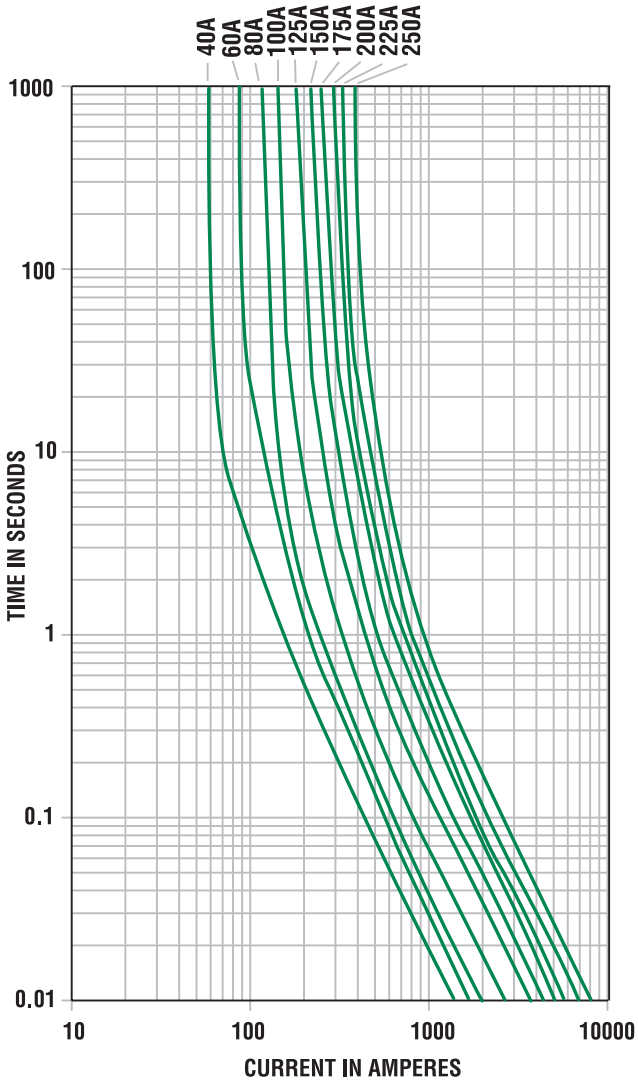
Dimensions in mm



Temperature Rerating Curve



Time-Current Characteristic Curves



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Mouser Electronics

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0MID050.X 0MID080.X 0MEG225.X 0MEG175.X 0MEG250.X 02981002Z 02982001Z 0298040.ZXB 0298225.ZXEH 0298350.ZXH 0298250.ZXEH 0298450.ZXH 0298100.ZXEH 0298175.ZXEH 0298500.ZXH 0298150.ZXEH 02981003Z 0298125.ZXEH 0MEG100.X 0MEG125.X 0MEG200.X 0MEG150.X 0298125.ZXB 0298080.ZXEH 0298060.ZXB 0298200.ZXEH 0298400.ZXH 0298300.ZXH 02980900Z 0298080.ZXB 0MEG150.L 0MEG250.L 0MEG300.L 0MEG200.L 0MEG100.L 0298500.ZXS 0298450.ZXA 0MEG175.XP 0298300.ZXA 0MEG250.XP 0MEG450.X 0MEG225.XP 0MEG200.XP 0MEG150.XP 0298150.ZXEH-UL 0298200.ZXEH-LT 0298500.ZXA 0298225.ZXEH-LT 0298175.ZXEH-UL 0298150.ZXEH-LT 0MEG400.X 0298175.ZXEH-LT 0298080.ZXEH-UL 0MEG450.L 0298275.ZXEH-LT 0298250.ZXEH-LT 0298400.ZXA 0MEG175.L 0MEG300.X 0MEG350.X 0MEG100.XP 0298100.ZXEH-UL 0MEG400.L 0MEG500.L 0MEG125.XP 0298125.ZXEH-UL 0MEG350.L 0MEG225.L 0298350.ZXA 0MEG125.L 0MEG500.X 0298125.TXN 0298100.ZXB 0298175.UXT 0298250.ZXB 0298175.ZXB 0298200.UXT 0298080.UXT 0298400.TXN 0298300.TXN 0298100.ZXA 0298150.TXN 0298125.ZXA 0298100.TXN 0298200.ZXB 0298225.TXN 0298500.TXN 0298200.TXN 0298080.TXN 0298125.UXT 0298150.ZXB 0298100.UXT 0298250.UXT 0298200.ZXA 0298175.ZXA 0298080.ZXA 0298225.ZXA 0298175.TXN 0298250.TXN 0298225.UXT