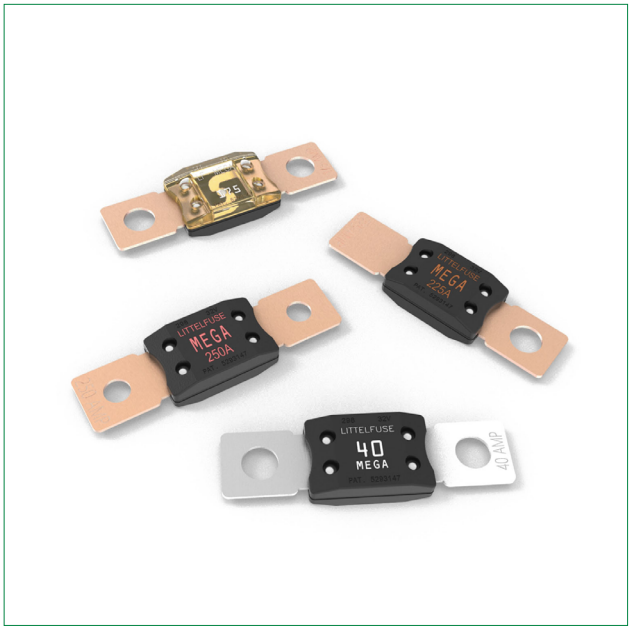
MEGA® and MEGA® Clear Top Fuse

Bolt-down Fuses – Rated 32V

RoHS



Description

MEGA® SLO-BLO® automotive fuses employ diffusion pill technology to provide time-delay circuit protection. MEGA fuses are ideal for use on batteries, alternators, and heavy gauge wire harnesses that experience large inrushes of current. The MEGA SLO-BLO fuses with ratings of 40 A to 250 A ensure continuous current flow. Use MEGA fuses with ratings of 300 A to 500 A only for short circuit protection.

Features & Benefits

- Color-coding indicates ampere rating
- Clear top makes it easy to see when fuse blows
- Available with two mounting holes, one mounting hole, or clinch connectors
- Comply ISO 8820-5

Applications

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

Additional Information

Resources

Samples

See Disclaimer Notice

Voltage Rating:	32 V DC
Interrupting Rating:	2000 A @ 32 V DC
Recommended Environmental Temperature:	–40 ˚C to +125 ˚C
Terminals Material:	Copper (Silver plated copper available)
Housing Material:	PPA-GF33HS (U.L. 94 Flammability rating - HB)
Clear Top Housing Material:	PES (top) (U.L. 94 Flammability rating - V0) PPA-GF33HS (bottom) (U.L. 94 Flammability rating - HB)
Mounting Torque M6:	8-14 Nm
Mounting Torque M8:	12-18 Nm
Comply With:	ISO 8820-5

Ordering Information

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

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Ratings

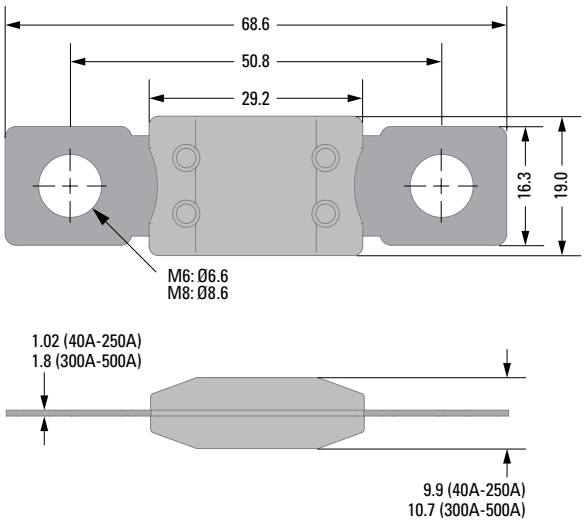
Part Number	Current Rating (A)	Color Code [3]	Test Cable Size (mm^2)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I^2t (A^2s)
0298040._[1]	40	-	4	132	2.51	8700
0298060._[1]	60	-	6	119	1.50	21 000
0298080._	80		10	87	0.72	21 500
0298100._	100		16	87	0.56	31 100
0298125._	125		16	80	0.42	57 800
0298150._	150		25	92	0.35	100 000
0298175._	175		25	86	0.29	168 000
0298200._	200		35	83	0.26	204 000
0298225._	225		35	82	0.22	257 000
0298250._	250		50	82	0.20	389 000
0298300._[2]	300		70	74 [4]	0.17	315 000
0298350._[2]	350		70	68 [4]	0.14	500 000
0298400._[2]	400		70	64 [4]	0.13	610 000
0298450._[2]	450		70	60 [4]	0.11	1 050 000
0298500._[2]	500		70	58 [4]	0.09	2 050 000

1 Not mentioned in ISO standards
2: Short Circuit Protector only
3: 0298xxx.ZXB has white font color on all ratings
4: Voltage Drop measurements for short circuit protectors taken at 75% of rated current.
Note: The typical I^2t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

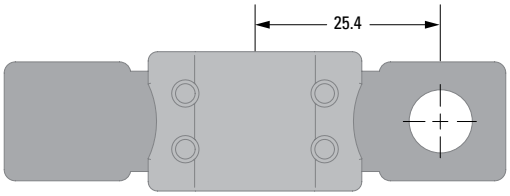
Dimensions

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

ZX & UXT Versions



UX1M8 Version

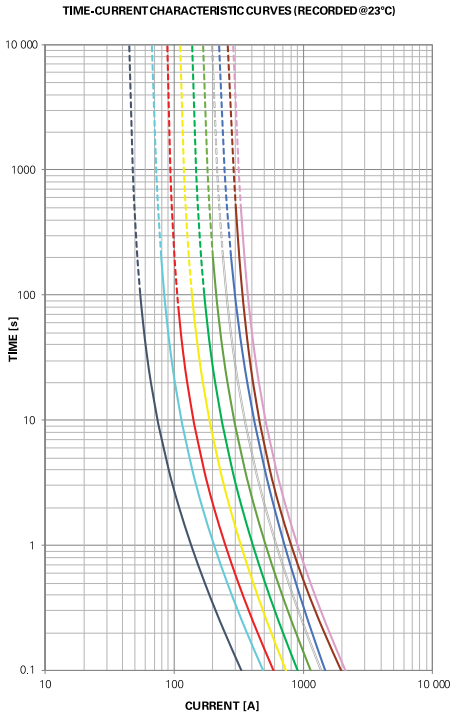


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Time-Current Characteristic

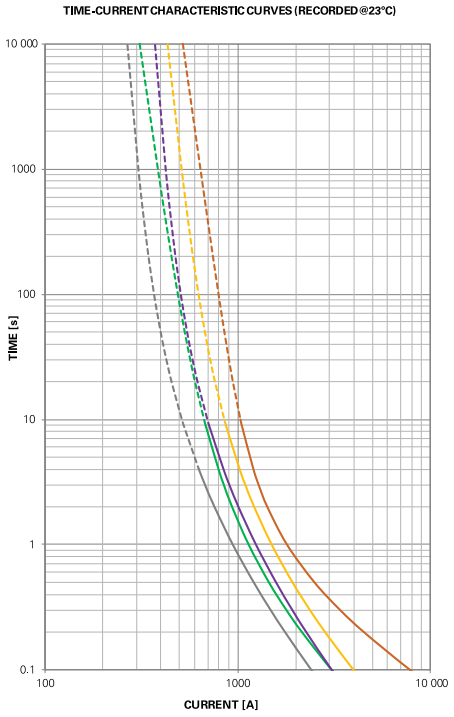


40 - 250 A

% of Rating	Opening Time Min. / Max. (s)
75	- / -
100	14 400 / -
135	120 / 1 800
200	1 / 15
350	0.3 / 5
600	0.1 / 1

40 A
60 A
80 A
100 A
125 A
150 A
175 A
200 A
225 A
250 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.



300 - 500 A

% of Rating	Opening Time Min. / Max. (s)
75	14 400 / -
100	- / -
135	- / -
200	1 / 15
350	0.5 / 5
600	0.1 / 1

300 A
350 A
400 A
450 A
500 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.

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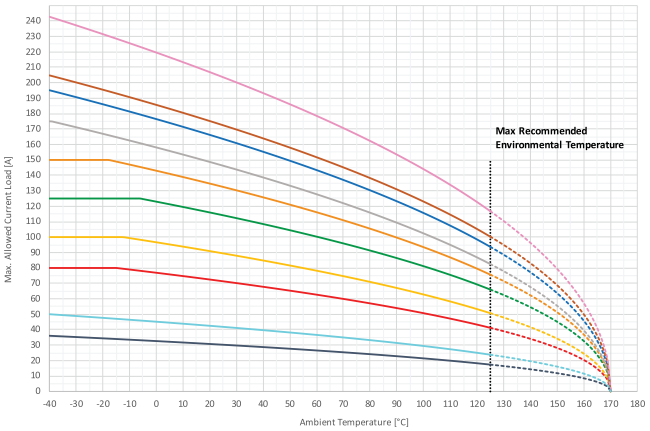
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Typical Derating Curves

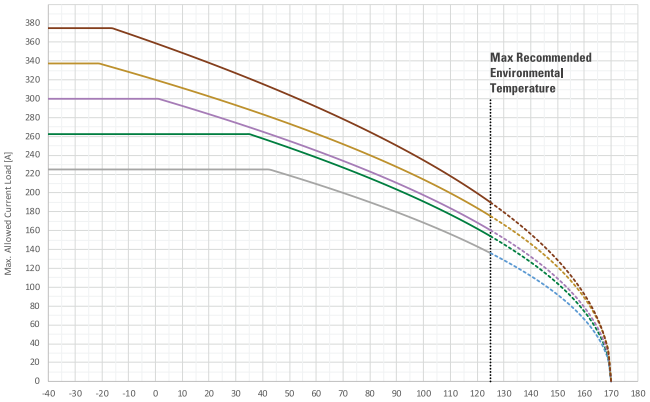
Temperature security margin is 20%.

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
40A	36	33	31	26	23	20	17
60A	50	45	43	36	32	27	24
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	158	149	125	113	95	83
200A	195	176	166	140	127	107	94
225A	205	186	175	148	135	115	100
250A	243	220	207	175	158	134	117
300A	225	225	225	205	185	156	136
350A	263	263	263	232	210	177	154
400A	300	300	284	240	217	184	160
450A	338	320	302	257	234	200	176
500A	375	359	338	285	258	218	190

40 A (Clear H.)
60 A (Clear H.)
80 A
100 A
125 A
150 A
175 A
200 A
225 A
250 A



300 A
350 A
400 A
450 A
500 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.

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