

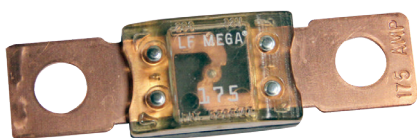
# MEGA® and MEGA® Clear Top Fuse

Rated 32V

RoHS



MEGA® Fuses



MEGA® Clear Top Housing Fuse

## 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.

## Specifications

<b>Voltage Rating:</b>	32 VDC
<b>Interrupting Rating:</b>	2000A @ 32 VDC
<b>Recommended Environmental Temperature:</b>	-40°C to +125°C
<b>Terminals Material:</b>	40 A, 60 A: Brass (Silver plated brass available) 80 A - 500 A: Copper (Silver plated copper available)
<b>Opaque Housing Material:</b>	PPA-GF33HS (U.L. 94 Flammability rating - HB)
<b>Clear Top Housing Material:</b>	PES (top) (U.L. 94 Flammability rating - V0)
<b>Mounting Torque M6:</b>	8-14 Nm
<b>Mounting Torque M8:</b>	12-18 Nm
<b>Complies with:</b>	ISO 8820-5

## Applications

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

## Features & Benefits

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

## 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

0298xxx.UXT	40 - 250	500	None	M8	2
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# MEGA<sup>®</sup> and MEGA<sup>®</sup> Clear Top Fuse

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### Ratings

Part Number	Current Rating (A)	Color Code <sup>3</sup>	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
0298040._ <sup>1</sup>	40	—	4	132	2.51	8,700
0298060._ <sup>1</sup>	60	—	6	119	1.50	21,000
0298080._	80	Red	10	87	0.72	21,500
0298100._	100	Yellow	16	87	0.56	31,100
0298125._	125	Green	16	80	0.42	57,800
0298150._	150	Orange	25	92	0.35	100,000
0298175._	175	White	25	86	0.29	168,000
0298200._	200	Blue	35	83	0.26	204,000
0298225._	225	Brown	35	82	0.22	257,000
0298250._	250	Pink	50	82	0.20	389,000
0298300._ <sup>2</sup>	300	Grey	70	74 <sup>4</sup>	0.17	315,000
0298350._ <sup>2</sup>	350	Dark Green	70	68 <sup>4</sup>	0.14	500,000
0298400._ <sup>2</sup>	400	Purple	70	64 <sup>4</sup>	0.13	610,000
0298450._ <sup>2</sup>	450	Gold	70	60 <sup>4</sup>	0.11	1,050,000
0298500._ <sup>2</sup>	500	Brown	70	58 <sup>4</sup>	0.09	2,050,000

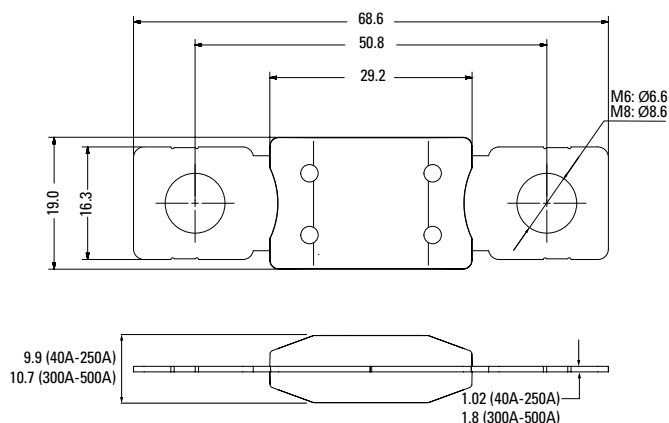
1: Not mentioned in ISO standards, 2: Short Circuit Protector only, 3: 0298xxx.ZXB has white font color on all ratings. 4: Voltage Drop measurements for short circuit protectors taken at 75% of rated current.

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

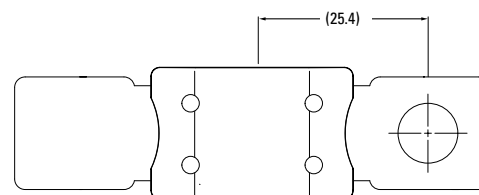
### Dimensions

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

#### 2-holes versions



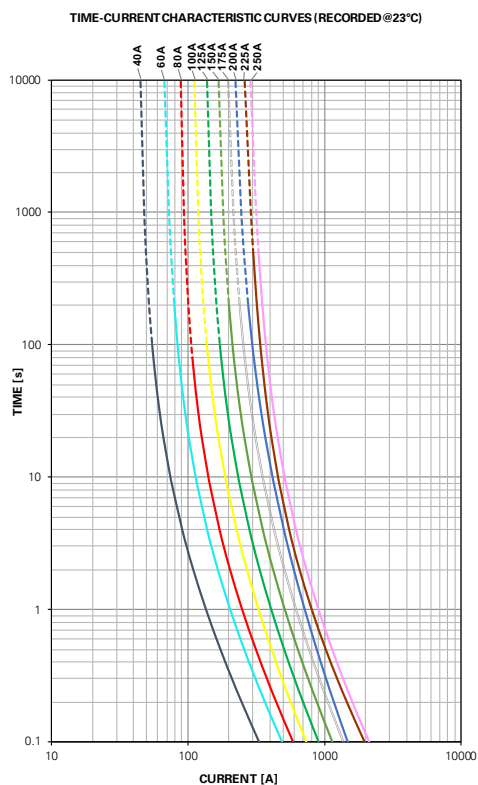
#### 1-hole version



# MEGA<sup>®</sup> and MEGA<sup>®</sup> Clear Top Fuse

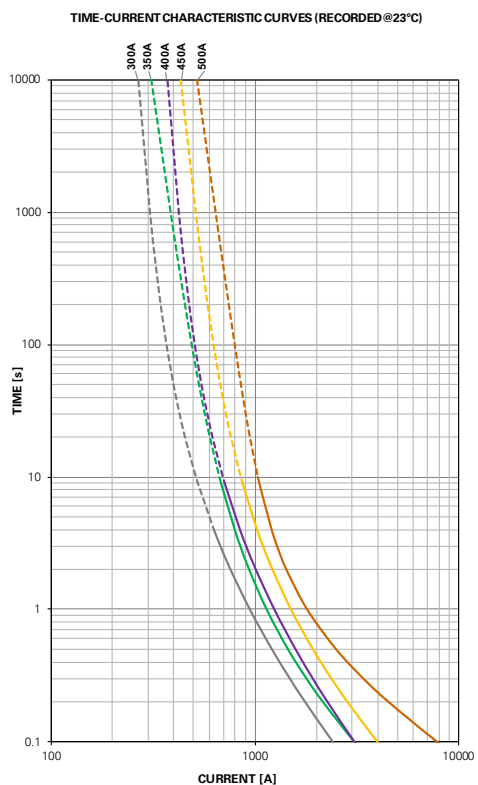
## Rated 32V

### Time-Current Characteristic Curves



### Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)	
	40-250	300-500
75	- / -	14,400 / ∞
100	14,400 / ∞	- / -
135	120 / 1800	- / -
200	1 / 15	1 / 15
350	0.3 / 5	0.5 / 5
600	0.1 / 1	0.1 / 1

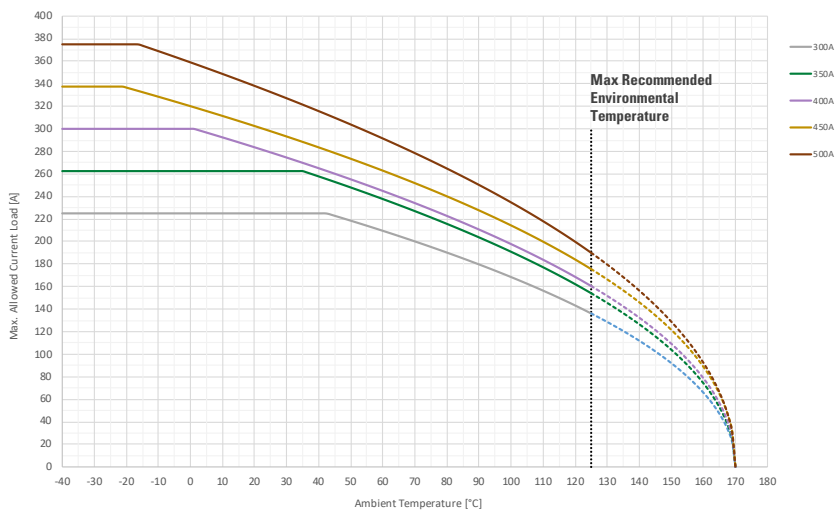
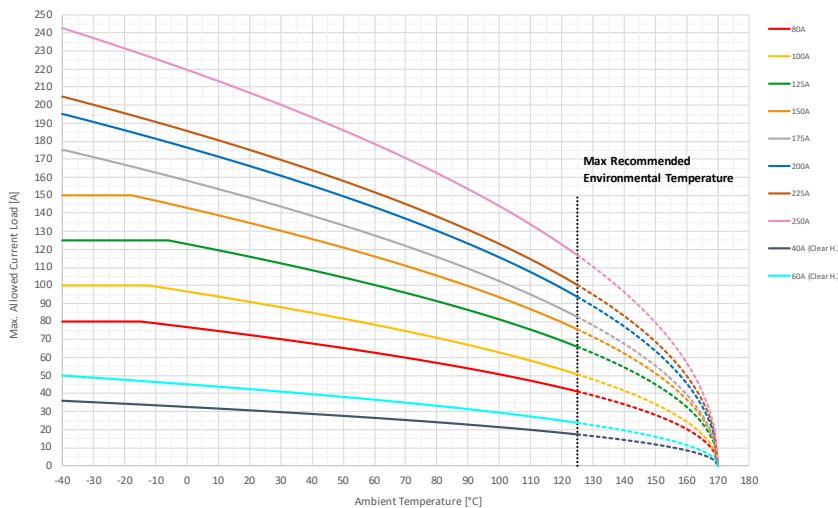


# MEGA® and MEGA® Clear Top Fuse

## Rated 32V

### 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							
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
<b>40A</b>	36	33	31	26	23	20	17
<b>60A</b>	50	45	43	36	32	27	24
<b>80A</b>	80	77	73	61	56	47	41
<b>100A</b>	100	97	91	76	69	58	51
<b>125A</b>	125	123	116	98	89	76	66
<b>150A</b>	150	143	135	114	103	87	76
<b>175A</b>	175	158	149	125	113	95	83
<b>200A</b>	195	176	166	140	127	107	94
<b>225A</b>	205	186	175	148	135	115	100
<b>250A</b>	243	220	207	175	158	134	117
<b>300A</b>	225	225	225	205	185	156	136
<b>350A</b>	263	263	263	232	210	177	154
<b>400A</b>	300	300	284	240	217	184	160
<b>450A</b>	338	320	302	257	234	200	176
<b>500A</b>	375	359	338	285	258	218	190

# Mouser Electronics

Authorized Distributor

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## Littelfuse:

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[0298150.ZXEH](#) [0298125.ZXEH](#) [0298125.ZXB](#) [0298080.ZXEH](#) [0298060.ZXB](#) [0298200.ZXEH](#) [0298400.ZXH](#)  
[0298300.ZXH](#) [0298080.ZXB](#) [0298500.ZXS](#) [0298225.V](#) [0298125.TXN](#) [0298100.ZXB](#) [0298250.ZXB](#) [0298175.ZXB](#)  
[0298250.V](#) [0298400.TXN](#) [0298300.TXN](#) [0298100.ZXA](#) [0298175.V](#) [0298150.TXN](#) [0298125.ZXA](#) [0298100.TXN](#)  
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[0298150.ZXA](#) [0298250.ZXA](#) [0298450.TXN](#) [0298350.TXN](#) [0298225.ZXB](#) [0298060.ZXSCP](#) [0298300.V](#)  
[0298400.ZXSCP](#)