

## MEGA® FUSE RATED 32V

RoHS



Also available:  
MEGA Clear Top Housing Fuse



Clear Housing Material:  
Polyethersulfone (top)  
PPA (33%/35% GF) (bottom)

### Description

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.

### Temperature Derating Curve



### Specifications

Interrupting Rating:	2000A @ 32 VDC
Voltage Rating:	32 VDC
Operating Temperature Range:	-40°C to + 125°C
Housing Material:	PPA (33%/35% GF)
Terminals:	Copper (Silver plated copper available) M6 or M8 bolts available
Mounting Torque:	8-14 Nm M6 12-18 Nm M8
Ref. To:	ISO 8820-5

### Ordering Information

Part Number	Package Size	Plating	Bolt Size	Rating
0298xxx.ZXH	500	none	M8	300 - 500
0298xxx.ZXEH	500	none	M8	80 - 250
0298xxx.ZXB	500	Ag	M8	40 - 250
0298xxx.ZXA	500	none	M6	80 - 500

### MEGA Clear Top Housing Material Fuse

0298xxx.UXT	500	none	M8	40 - 250
-------------	-----	------	----	----------

### Time-Current Characteristics

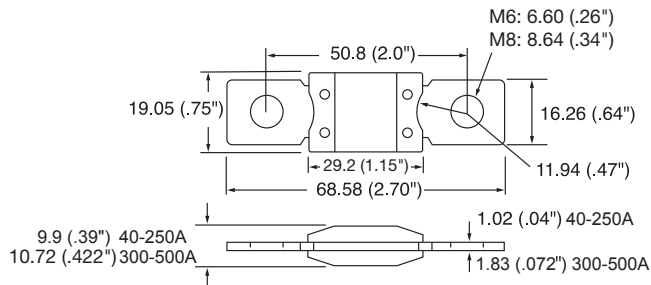
% of Rating	Opening Time Min / Max (s)	
	40-250	300-500
75	- / -	14,400 s / -
100	14,400 s / -	- / -
135	120 s / 1800 s	- / -
200	1 s / 15 s	1 s / 15 s
350	0.300 s / 5 s	0.500 s / 5 s
600	0.100 s / 1 s	0.100 s / 1 s

## MEGA® FUSE RATED 32V

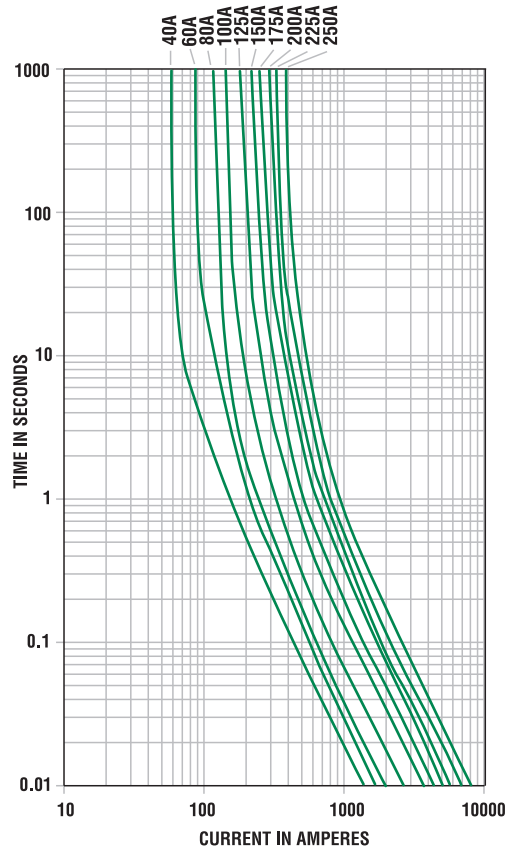
RoHS

### Dimensions

Dimensions in mm



### Time-Current Characteristic Curves



### Ratings

Part Number	Current Rating	Font Color*	Typ. Voltage Drop	Cold Resistance	I <sup>2</sup> t
0298040_1	40 A	—	132 mV	2.510 mΩ	8700 A <sup>2</sup> s
0298060_1	60 A	—	119 mV	1.504 mΩ	21000 A <sup>2</sup> s
0298080_	80 A	Red	87 mV	0.720 mΩ	21500 A <sup>2</sup> s
0298100_	100 A	Yellow	87 mV	0.562 mΩ	31100 A <sup>2</sup> s
0298125_	125 A	Green	80 mV	0.423 mΩ	57800 A <sup>2</sup> s
0298150_	150 A	Orange	92 mV	0.352 mΩ	100000 A <sup>2</sup> s
0298175_	175 A	White	86 mV	0.294 mΩ	168000 A <sup>2</sup> s
0298200_	200 A	Blue	83 mV	0.257 mΩ	204000 A <sup>2</sup> s
0298225_	225 A	Brown	82 mV	0.222 mΩ	257000 A <sup>2</sup> s
0298250_	250 A	Pink	82 mV	0.201 mΩ	389000 A <sup>2</sup> s
0298300_2	300 A	Grey	74 mV**	0.167 mΩ	315000 A <sup>2</sup> s
0298350_2	350 A	Dark Green	68 mV**	0.138 mΩ	500000 A <sup>2</sup> s
0298400_2	400 A	Purple	64 mV**	0.126 mΩ	610000 A <sup>2</sup> s
0298450_2	450 A	Gold	60 mV**	0.112 mΩ	1050000 A <sup>2</sup> s
0298500_2	500 A	Brown	58 mV**	0.092 mΩ	2050000 A <sup>2</sup> s

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.