High Current Fuses



Time-Current Characteristics





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: Voltage Rating: **Operating Temperature Range:** Housing Material: Flammability (UL 94): Clear Top Housing Material: Terminals:

2000A @ 32 VDC 32 VDC -40°C to + 125°C PPA-GF33HS HB PES (top) PPA-GF33HS (bottom) Copper (Silver plated copper available) M6 or M8 bolts available 8-14 Nm M6 12-18 Nm M8 ISO 8820-5

Complies with:

Mounting Torque:



Ordering Information

	0								
	Part Number	Rating	Package Size	Plating	Bolt Size	Bolt Hole Qty	% of	Opening Time Min / Max (s	
	0000 71/511						Rating	40-250	300-500
	0298xxx.ZXEH	80 - 250	500	None	M8	2	75	/	14,400 s / -
	0298xxx.ZXH	300 - 500	500	None	M8	2	75	-/-	
						2	100	14,400 s / -	-/-
	0298xxx.UX1M8	80 - 500	500	None	M8	1	105		
	0298xxx.ZXB	40 - 250	500	Aq	M8	1	135	120 s / 1800 s	-/-
	UZJUXXX.ZAD	40 - 200	500	Ay	1010	2	200	1 s / 15 s	1 s / 15 s
	0298xxx.ZXA	80 - 500	500	None	M6	2	200	13/103	13/103
						1 1		0.300 s / 5 s	0.500 s / 5 s
	MEGA Clear Top	EGA Clear Top Housing Material Fuse							
	0298xxx.UXT	40 - 250	500	None	M8	2	600	0.100 s / 1 s	0.100 s / 1 s
	0200/0//.0//1	10 200		-					

Ratings

Part Number	Current Rating (A)	Font Color*	Typ. Voltage Drop (mV)	Cold Resistance $(m\Omega)$	Wire (mm²)	l²t (A²s)
02980401	40	-	132	2.510	4	8700
02980601	60	-	119	1.504	6	21000
0298080	80		87	0.720	10	21500
0298100	100		87	0.562	16	31100
0298125	125		80	0.423	16	57800
0298150	150		92	0.352	25	100000
0298175	175		86	0.294	25	168000
0298200	200		83	0.257	35	204000
0298225	225		82	0.222	35	257000
0298250	250		82	0.201	50	389000
0298300 ²	300		74 **	0.167	70	315000
0298350 ²	350		68 **	0.138	70	500000
0298400 ²	400		64 **	0.126	70	610000
0298450 ²	450		60 **	0.112	70	1050000
0298500 ²	500		58 **	0.092	70	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.

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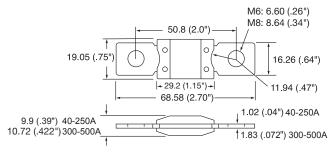
High Current Fuses



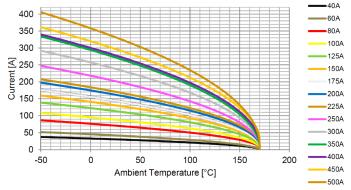
MEGA® Fuse Rated 32V

Dimensions

Dimensions in mm



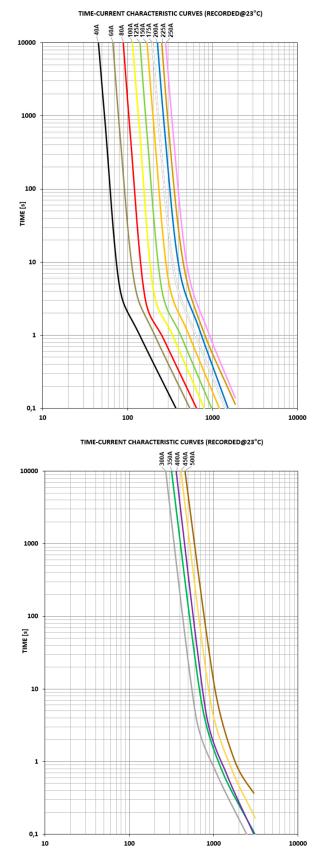
Typical Derating



Temperature Security Margin is 20%
Wire Cross Sections And Test Fixture acc. ISO 8820-5

max. allowed current load [A] at ambient temperature									
	-20°C	0°C	20°C	65°C	85°C	95°C	105°C	125°C	
40A	35	33	31	26	23	22	20	17	
60A	48	46	43	36	32	30	28	23	
80A	81	76	72	61	55	52	49	41	
100A	101	95	90	76	69	65	61	51	
125A	129	123	116	98	88	83	78	66	
150A	149	141	133	112	102	96	90	76	
175A	164	156	147	124	112	106	99	84	
200A	184	175	165	139	126	119	112	94	
225A	194	184	174	147	134	127	119	101	
250A	230	218	205	173	157	147	138	116	
300A	272	258	242	204	184	174	162	136	
350A	311	294	277	232	209	197	184	154	
400A	317	300	283	239	216	204	191	161	
450A	337	320	302	256	232	219	206	175	
500A	378	358	337	284	257	242	227	191	





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Uncontrolled Document Last Revision: 01.18.2021