

MEGA®+ RIVET Series

Bolt-down Fuses – Rated 32 V DC

RoHS



Additional Information



Resources



Samples

Description

The MEGA+® RIVET fuse is designed for high current circuit protection and provides time delay characteristics. Available in different mounting configurations, the MEGA+® RIVET fuse covers a wide range of rating (80 A up to 500 A) with the same terminal thickness of 0.8 mm.

The four metal rivets improve the mechanical resistance to stress, tightening torques and forces generated by eventual short-circuits, making this new bolt-down fuse extremely robust. High contrast OCR marking is ideal for camera reading in the assembly lines.

The MEGA+® RIVET Fuse is ideal for battery and alternator protection applications and other heavy gauge cables requiring ultra-high current protection.

Use the 300A, and fuse ratings above, only for short circuit protection.

Features & Benefits

- High tightening torque
- Clinch version available
- OCR markings easily readable by cameras and naked eye
- Housing in PET-GF30FR (U.L. 94 Flammability rating - V0)
- Terminals in tin plated copper alloy
- Refers to ISO 8820-5

Applications

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

[See Disclaimer Notice](#)

Specifications

Voltage Rating:	32 V DC
Interrupting Rating:	2000 A @ 32 V DC
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Tin-plated copper alloy
Housing Material:	PET-GF30FR (UL 94 Flammability rating of V0)
Typical Weight per Fuse:	12.0 g
Mounting Torque M6:	8 - 14 Nm (Recommended range value)
Mounting Torque M8:	12 - 18 Nm (Recommended range value)
Refer to:	ISO 8820-5













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Ordering Information

Part Number	Current Rating (A)	Termination	Bolt Hole Qty.	Package Size
0298xxx.UXR-2M8	80 A - 500 A	M8 Bolt Down	2	500
0298xxx.UXR-1M8	80 A - 500 A	M8 Bolt Down	1	500
0298xxx.UXR-2M6	80 A - 500 A	M6 Bolt Down	2	500
0298xxx.UXR-1M6	80 A - 500 A	M6 Bolt Down	1	500
0298xxx.UXR-NH	80 A - 500 A	-	-	500

Ratings

Part Number	Current Rating (A)	Marking Color	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
0298080._	80		10	84	0.66	22 700
0298100._	100		16	83	0.55	37 000
0298125._	125		16	79	0.41	62 100
0298150._	150		25	75	0.34	116 600
0298175._	175		25	81	0.28	189 600
0298200._	200		35	91	0.26	252 700
0298250._	250		50	80	0.19	382 000
0298300._	300		70	46 ¹	0.16	391 300
0298350._	350		70	48 ¹	0.14	729 100
0298400._	400		70	50 ¹	0.12	1 033 400
0298450._	450		70	60 ¹	0.11	1 399 000
0298500._	500		70	57 ¹	0.09	2 288 800

¹: Measured at 75% of Current Rating I_r while all other lower ratings measured at 100%.

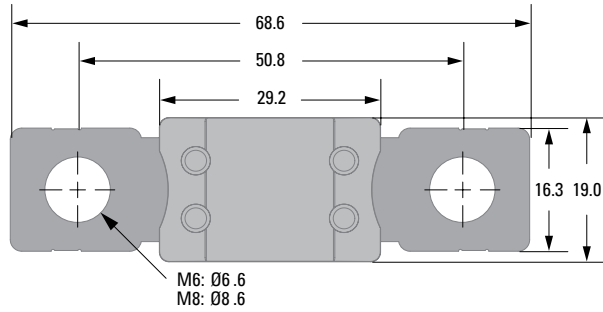
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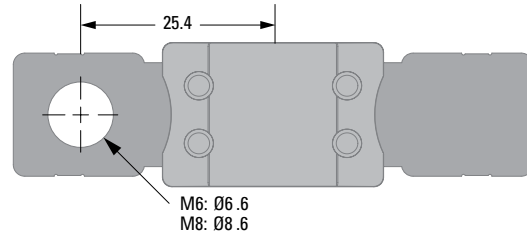
Dimensions

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

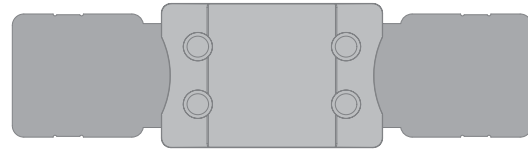
2-holes version



1-hole version



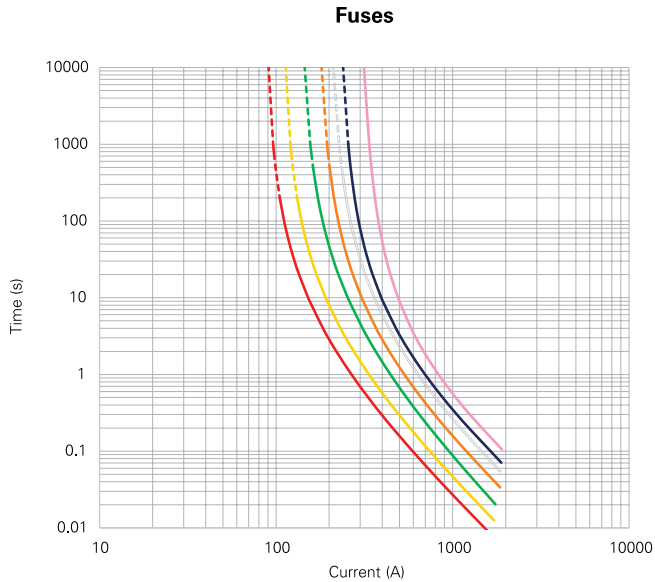
NH version



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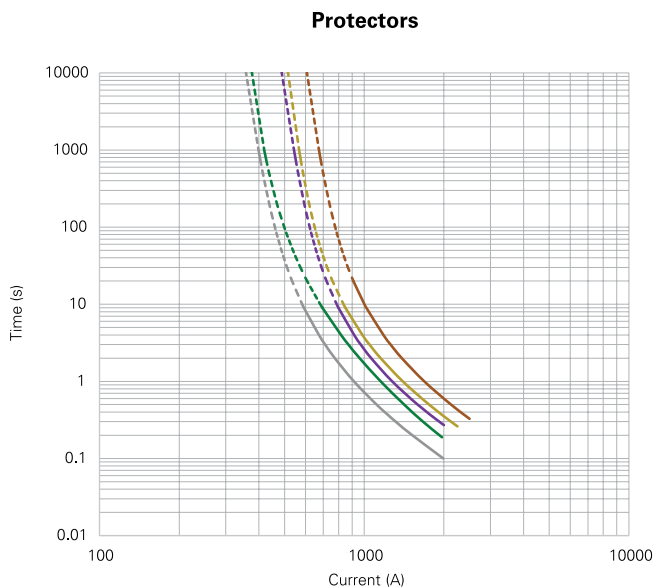
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Time-Current Characteristic



% of Rating	Opening Time Min. / Max. (s) 80 A - 250 A
75	- / -
100	14 400 / -
135	120 / 1800
150	20 / 450
200	1 / 15
350	0.3 / 5
500	- / -
600	0.1 / 1

Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.



% of Rating	Opening Time Min. / Max. (s)	
	300 A	350 A - 500 A
75	14 400 / -	14 400 / -
100	- / -	- / -
135	- / -	- / -
150	- / -	- / -
200	1 / 15	1 / 15
350	0.5 / 5	0.5 / 5
500	0.1 / 2	0.1 / 2
600	0.1 / 1	- / -

300 A
350 A
400 A
450 A
500 A

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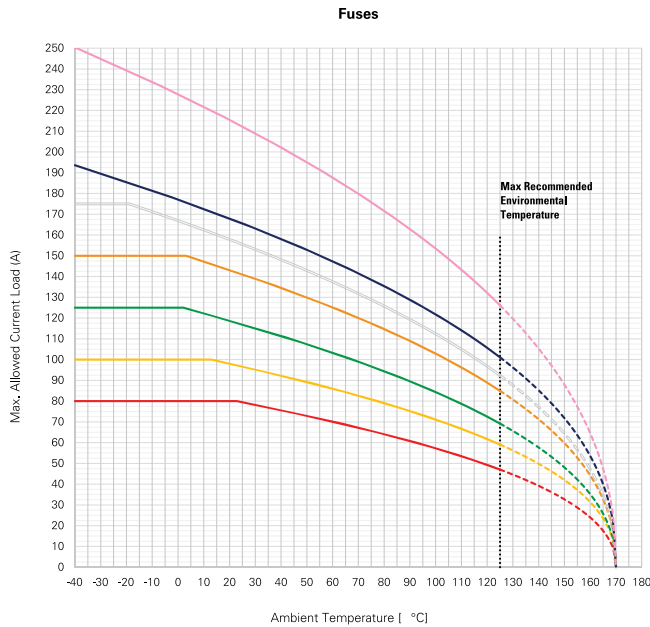
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Typical Derating Curves

Temperature security margin is 20%.

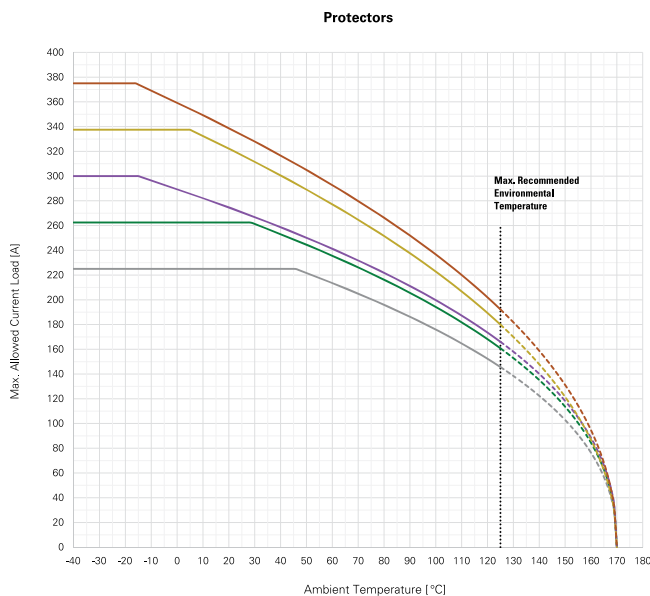
Please contact Littelfuse® for Details Regarding Derating Test Set Up.



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
80 A	80	80	80	69	63	53	47
100 A	100	100	98	84	77	67	59
125 A	125	125	119	101	92	79	69
150 A	150	150	143	123	112	96	85
175 A	175	167	158	135	123	105	92
200 A	194	177	168	145	132	114	101
250 A	250	228	215	184	167	143	126

— 80 A
 — 100 A
 — 125 A
 — 150 A
 — 175 A
 — 200 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.



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
300 A	225	225	225	209	191	165	146
350 A	263	263	263	231	211	182	161
400 A	300	290	275	237	217	187	166
450 A	338	338	322	271	245	207	180
500 A	375	359	339	286	259	220	192

— 300 A
 — 350 A
 — 400 A
 — 450 A
 — 500 A

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