

Mega Dc Fuse

PMG-32V Series

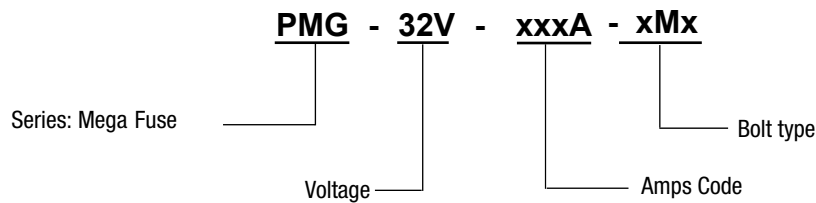
Bolt Down Fuse

Description

- Rated Voltage: 32VDC
- Rated Current: 80-500A
- Interrupting Rating: 2500A@32VDC
- Allowable use conditions: -40°C ~125°C
- Recommended installation torque:
 - 11±3 Nm(25Nm Max.)/M6
 - 15±3 Nm(25Nm Max.)/M8
- U.L. 94Flammability rating: V0
- Standard: ISO 8820
 - ISO 16750
 - GB/T 31465
 - IATF 16949



Part Numbering System



Electrical Characteristics

% of Ampere Rating	Opening Time		
	80~250A	300A	350~500A
75%	-	4hours Min.	4hours Min.
100%	4hours Min.	-	-
150%	20 sec Min.	20 sec Min.	-
200%	15 sec Max.	15 sec Max.	15 sec Max.
350%	5 sec Max.	5 sec Max.	5 sec Max.
600%	1 sec Max.	1 sec Max.	1 sec Max.

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Specifications

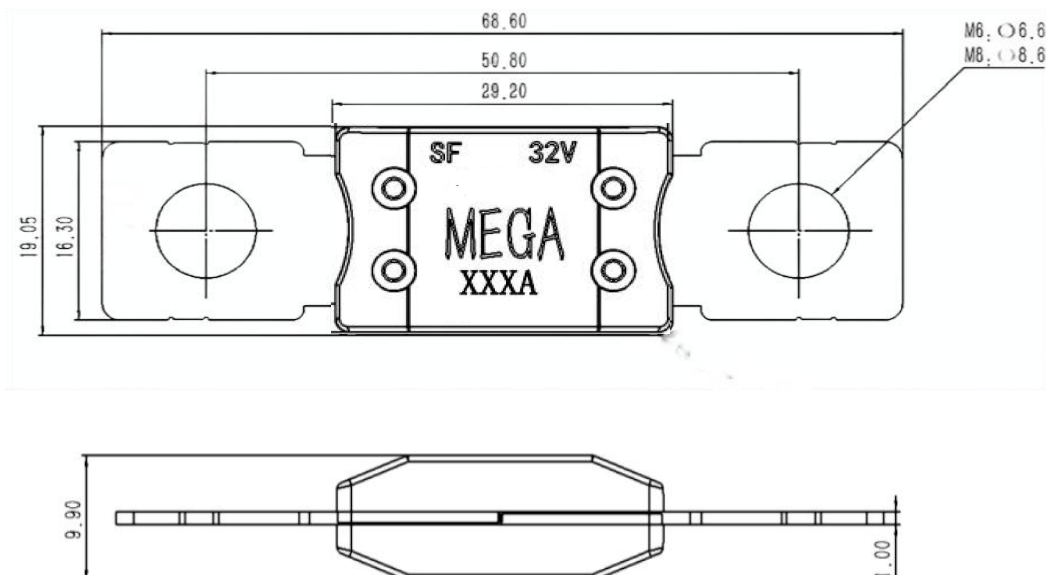
Material number	Ampere rating	Interrupting Rating	Typical Voltage Drop (mV)	Typical Cold Resistance (mOhms)	I ² t (A ² s)
PMG-32V-80A-xMx	80A	2500A@32VDC	81	0.72	39,500
PMG-32V-100A-xMx	100A		83	0.56	50,700
PMG-32V-125A-xMx	125A		85	0.44	68,000
PMG-32V-150A-xMx	150A		86	0.36	155,500
PMG-32V-175A-xMx	175A		82	0.31	249,900
PMG-32V-200A-xMx	200A		91	0.26	265,600
PMG-32V-225A-xMx	225A		96	0.24	294,300
PMG-32V-250A-xMx	250A		47	0.22	318,300
PMG-32V-300A-xMx	300A		48	0.19	590,100
PMG-32V-350A-xMx	350A		50	0.15	854,600
PMG-32V-400A-xMx	400A		56	0.14	1,150,000
PMG-32V-450A-xMx	450A		53	0.12	1,598,000
PMG-32V-500A-xMx	500A		54	0.10	2,170,000

*Note:

1. The I²t value is calculated by using a time curve before the arc occurs
2. 300A and above can only be used for short-circuit protection

Product Dimension Unit: mm

For 2bolts, Ordering P/N: PMG-32V-xxxA-2M6 or PMG-32V-xxxA-2M8



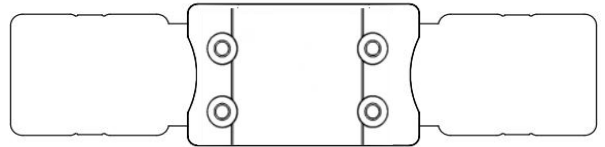
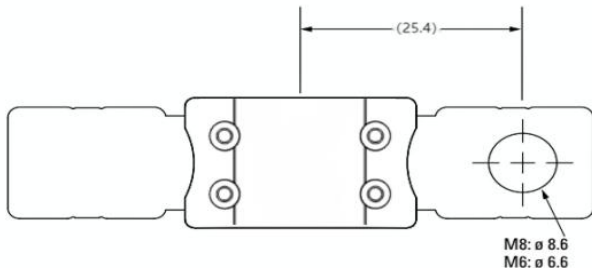
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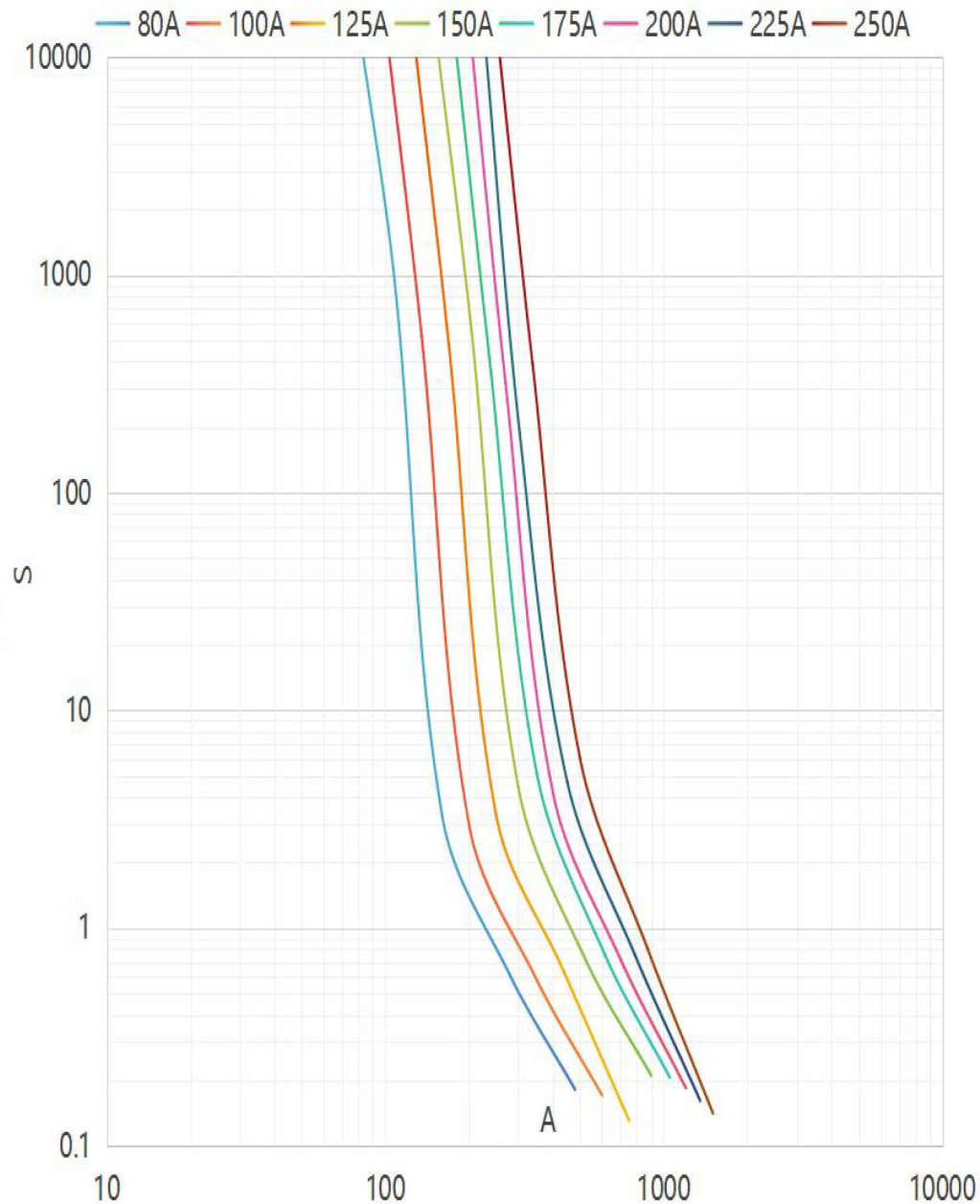
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For 1bolts, Ordering P/N: PMG-32V-xxxA-1M6 or PMG-32V-xxxA-1M8

For no bolts, Ordering P/N: PMG-32V-xxxA or PMG-32V-xxxA



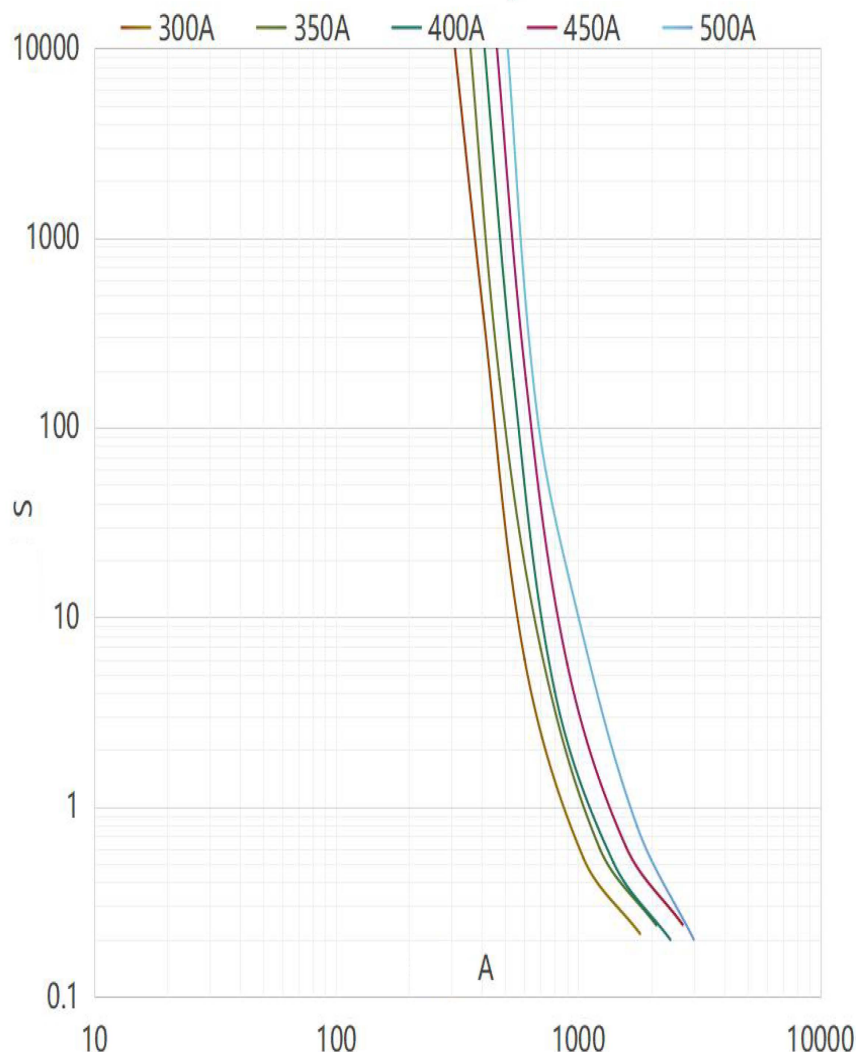
Time-current characteristics curves



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Temperature-current characteristics

Current (A)	-40℃	-20℃	0℃	20℃	55℃	85℃	100℃	110℃	125℃
80	80	80	80	79	75	60	57	50	42
100	100	100	100	100	92	82	79	65	56
125	125	125	125	124	109	98	90	75	68
150	150	150	150	147	130	112	92	89	81
175	175	175	175	170	150	124	112	96	87
200	200	200	200	180	175	140	129	110	101
225	225	225	225	200	189	157	134	122	109
250	250	250	250	241	212	179	144	128	114
300	300	300	300	255	222	200	159	150	142
350	350	350	350	294	262	221	198	166	150
400	400	400	400	340	301	248	212	176	163
450	450	450	450	382	322	257	229	201	181
500	500	500	500	420	340	269	240	210	192

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Temperature-current characteristics curves

Temperature security margin is 20%.

