

Dc Fuse

PMG-70V Series

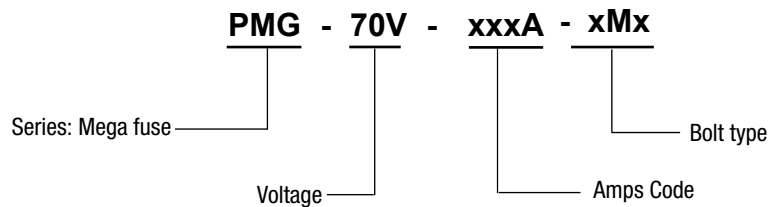
Bolt Down Fuse

Description

- Rated Voltage: 70VDC
- Rated Current: 80-500A
- Interrupting Rating: 3000A @ 70VDC
- Allowable use conditions: -40°C ~125°C
- Recommended installation torque:
11±3 Nm(25Nm Max.)/M6
15±3 Nm(25Nm Max.)/M8
- Metal material: Tinned copper alloy
- Housing Material : PPA-GF33
- U.L. 94 Flammability rating: V0
- Standard: ISO 20934



Part Numbering System



Electrical Characteristics

% of Ampere Rating	Opening Time		
	80~250A	300A	350A~500A
75%	-	4hours Min.	4hours Min.
100%	4hours Min.	-	-
135%	120sec Min.	120sec Min.	-
150%	20sec Min.	20sec 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

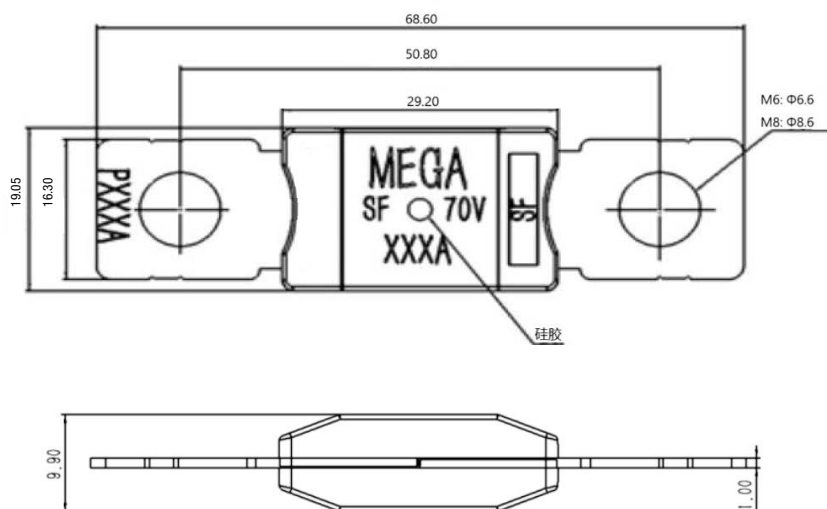
Material number	Ampere rating	Interrupting Rating	Typical Voltage Drop (mV)	Typical Cold Resistance (mOhms)	I^2t (A ² s)	Wire Specification (mm)
PMG-70V-80A-xMx	80A	2500A @ 70VDC	90	0.74	25,000	10
PMG-70V-100A-xMx	100A		85	0.57	36,900	16
PMG-70V-125A-xMx	125A		87	0.58	56,200	16
PMG-70V-150A-xMx	150A		89	0.42	83,100	25
PMG-70V-175A-xMx	175A		86	0.38	143,000	25
PMG-70V-200A-xMx	200A		89	0.32	150,700	35
PMG-70V-225A-xMx	225A		86	0.27	165,600	35
PMG-70V-250A-xMx	250A		53	0.23	258,000	50
PMG-70V-300A-xMx	300A		55	0.20	384,000	70
PMG-70V-350A-xMx	350A		57	0.18	629,700	70
PMG-70V-400A-xMx	400A		56	0.14	805,200	70
PMG-70V-450A-xMx	450A		55	0.12	1,046,000	70
PMG-70V-500A-xMx	500A		58	0.098	1,980,000	70

*Note:

1. The I^2t 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-70V-xxxA-2M6 or PMG-70V-xxxA-2M8

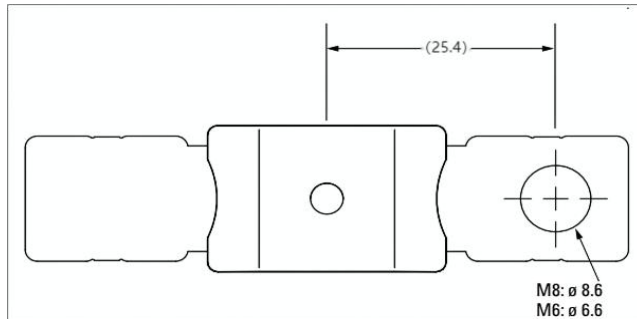


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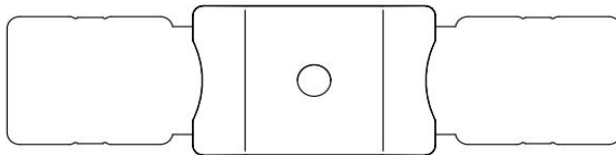
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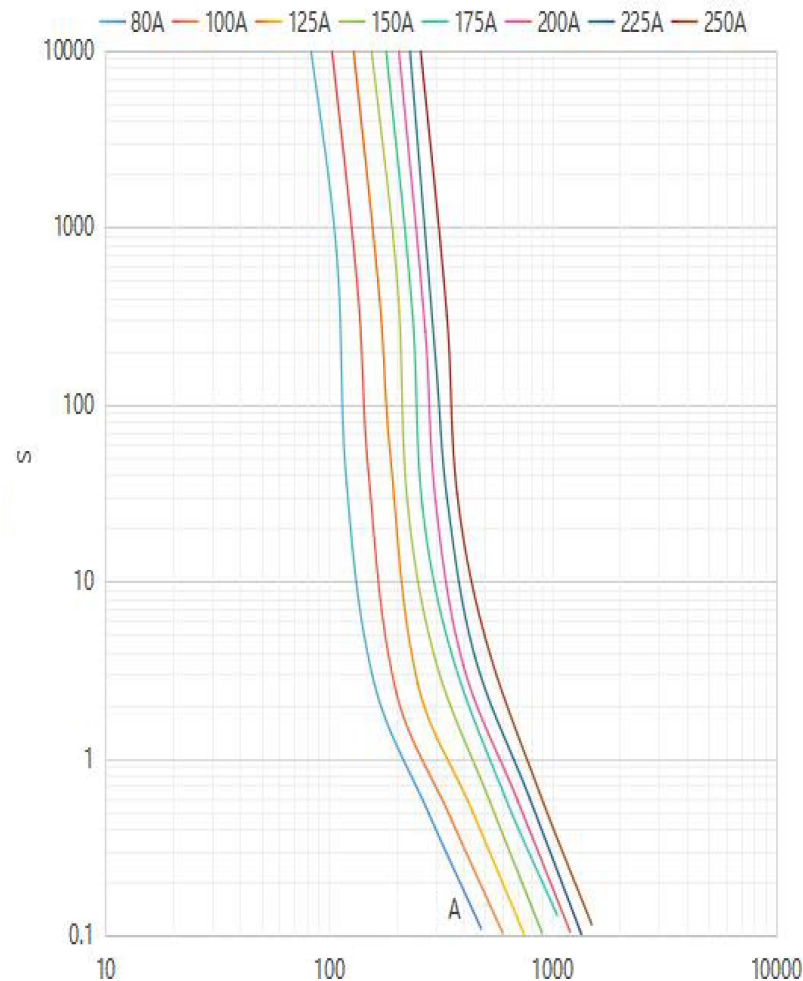
For 1bolts , Ordering P/N: PMG-70V-xxxA-1M6 or PMG-70V-xxxA-1M8



For no bolts , Ordering P/N: PMG-70V-xxxA or PMG-70V-xxxA



Time-current characteristics curves

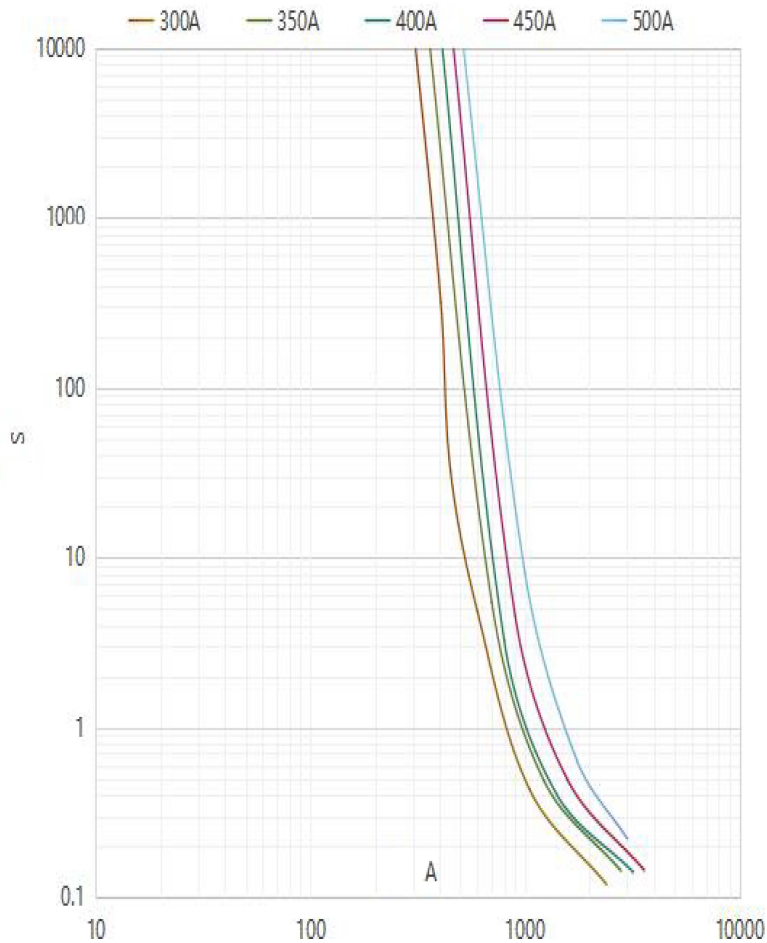


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Time-current characteristics curves



Temperature-current characteristics

Current (A)	-40℃	-20℃	0℃	20℃	50℃	80℃	100℃	110℃	125℃
80	80	80	80	80	74	59	56	49	41
100	100	100	100	100	91	81	78	64	55
125	125	125	125	123	108	97	89	74	67
150	150	150	150	146	129	111	91	88	80
175	175	175	175	169	149	123	111	95	86
200	200	200	200	181	174	139	128	109	100
225	225	225	225	199	188	156	133	121	108
250	250	250	250	240	211	178	143	127	113
300	300	300	300	259	220	198	157	148	140
350	350	350	350	293	261	220	197	165	149
400	400	400	400	340	300	247	211	175	162
450	450	450	450	381	321	256	228	200	180
500	500	500	500	419	339	268	239	209	191

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