

Dc Fuse

PMG-120V Series

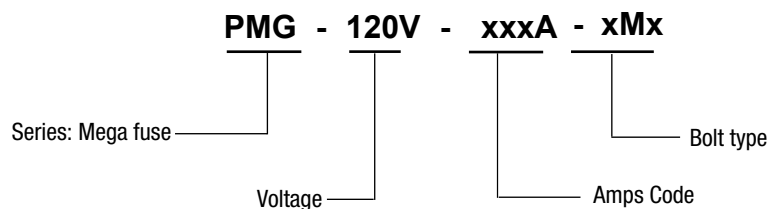
Bolt Down Fuse

Description

- Rated Voltage: 120VDC
- Rated Current: 200-400A
- Interrupting Rating: 3000A @ 120VDC
- 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		
	200~250A	300A	350~400A
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

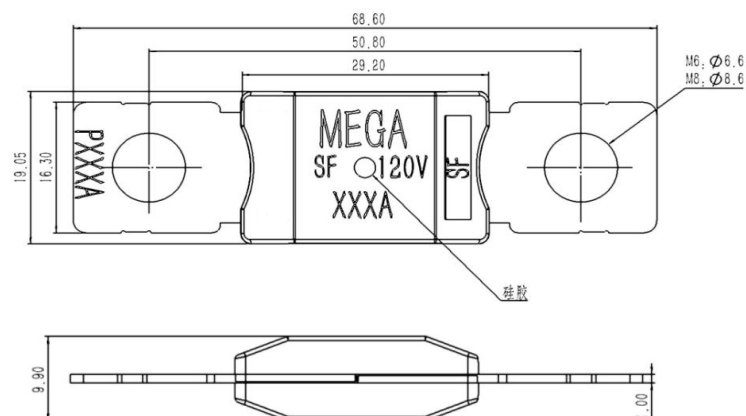
Material number	Ampere rating	Interrupting Rating	Typical Voltage Drop (mV)	Typical Cold Resistance (mOhms)	I ² t (A ² s)	Wire Specification (mm)
PMG-120V-200A-xMx	200A	3000A @ 120VDC	90	0.32	150,700	35
PMG-120V-250A-xMx	250A		54	0.23	272,000	50
PMG-120V-300A-xMx	300A		55	0.20	426,300	70
PMG-120V-350A-xMx	350A		56	0.18	597,100	70
PMG-120V-400A-xMx	400A		55	0.14	799,200	70

*Note:

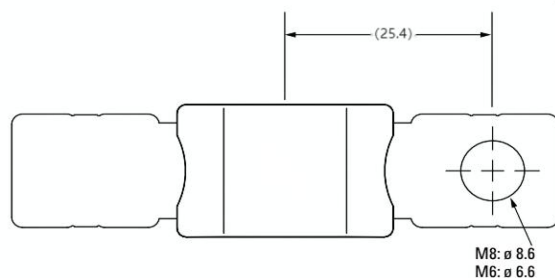
1. The I²t value is calculated by using a time curve before the arc occurs
2. 300A and above can only be used for short-circuit protection

Product Dimension Unit: mm

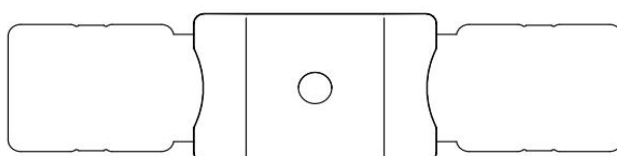
For 2bolts, Ordering P/N: PMG-120V-xxxA-2M6 or PMG-120V-xxxA-2M8



For 1bolts, Ordering P/N: PMG-120V-xxxA-1M6 or PMG-120V-xxxA-1M8



For no bolts, Ordering P/N: PMG-120V-xxxA or PMG-120V-xxxA

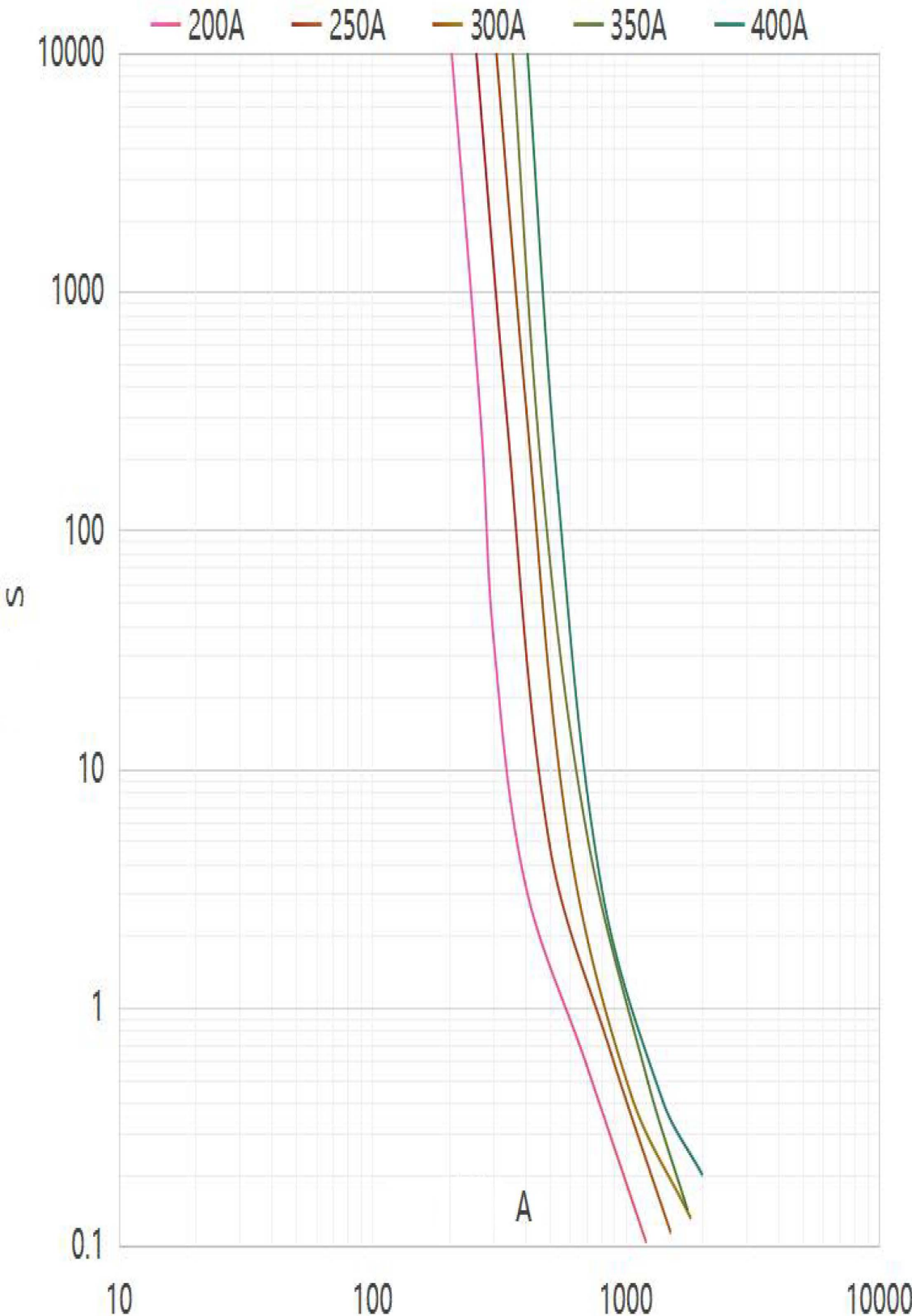


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Time-current characteristics curves



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Temperature-current characteristics

Current (A)	-40℃	-20℃	0℃	20℃	50℃	80℃	100℃	110℃	125℃
200	200	200	200	181	173	139	127	108	100
250	250	250	250	239	210	177	142	126	112
300	300	300	300	260	221	198	157	148	141
350	350	350	350	292	260	219	196	164	148
400	400	400	400	338	300	246	211	174	161

Temperature-current characteristics curves

Temperature security margin is 20%.

