

MIDI Dc Fuse Bolt Down Fuse

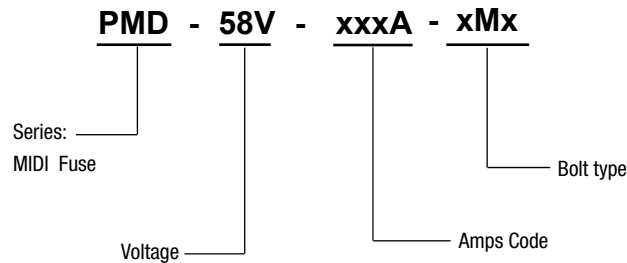
PMD-58V Series

Description

- Rated Voltage: 58VDC
- Rated Current: 30-200A
- Interrupting Rating: 1500A@58VDC
- Allowable use conditions: -40°C ~125°C
- Recommended installation torque:
 - 4~6 Nm(12Nm Max.)/M5
 - 6~9 Nm(12Nm Max.)/M6
- Flammability rating: U.L. 94 V0
- Standard: ISO 8820
 - ISO 16750
 - GB/T 31465
 - IATF 16949



Part Numbering System



Electrical Characteristics

% of Ampere Rating	Opening Time	
	30~125A	150~200A
75%	-	100hours Min.
100%	100 hours Min.	-
150%	1 hours Max.	-
200%	100 sec Max.	15 sec Max.
300%	3 sec Max.	-
350%	-	5 sec Max.
500%	1 sec Max.	-
600%	-	1 sec Max.

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Specifications

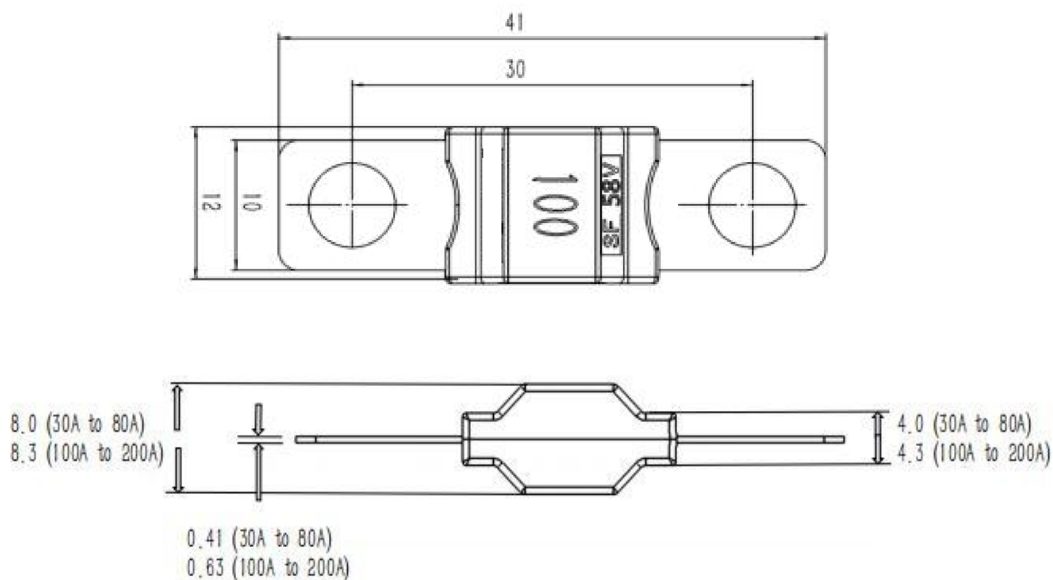
Material number	Ampere rating	Interrupting Rating	Typical Voltage Drop (mV)	Typical Cold Resistance (mOhms)	I^2t (A ² s)	Wire Specification (mm)
PMD-58V-30A-xMx	30A	1500A@58VDC	73	2.08	8,400	2.5
PMD-58V-40A-xMx	40A		72	1.39	11,200	4
PMD-58V-50A-xMx	50A		72	0.98	14,600	6
PMD-58V-60A-xMx	60A		70	0.93	24,800	6
PMD-58V-70A-xMx	70A		69	0.84	26,600	10
PMD-58V-80A-xMx	80A		72	0.62	32,400	10
PMD-58V-100A-xMx	100A		70	0.47	54,600	16
PMD-58V-125A-xMx	125A		72	0.39	76,400	25
PMD-58V-150A-xMx	150A		58	0.31	84,600	25
PMD-58V-175A-xMx	175A		59	0.25	120,200	25
PMD-58V-200A-xMx	200A		54	0.21	168,400	25

*Note:

1. The I^2t value is calculated by using a time curve before the arc occurs

Product Dimension Unit: mm

For 2bolts, Ordering P/N: PMD-58V-xxxA-2M5 or PMD-58V-xxxA-2M6



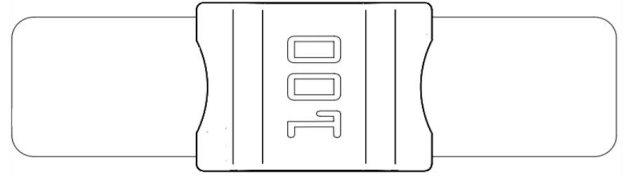
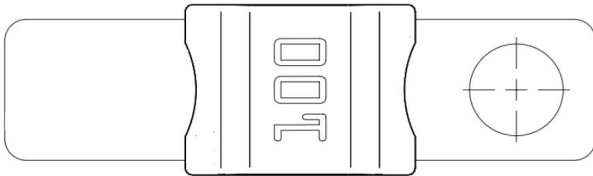
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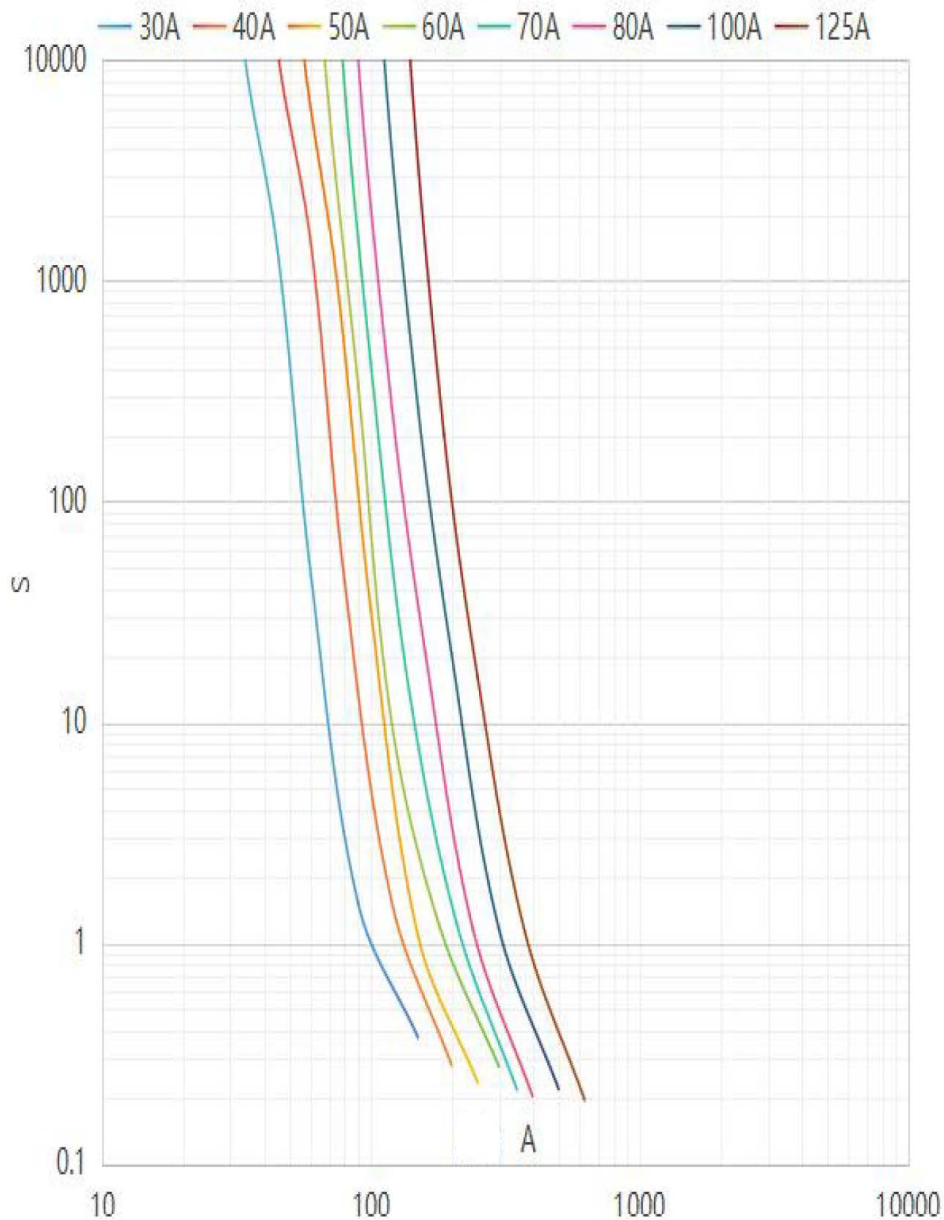
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For 1bolts, Ordering P/N: PMD-58V-xxxA-1M5 or PMD-58V-xxxA-1M6

For no bolts, Ordering P/N: PMD-58V-xxxA or PMD-58V-xxxA



Time-current characteristics curves

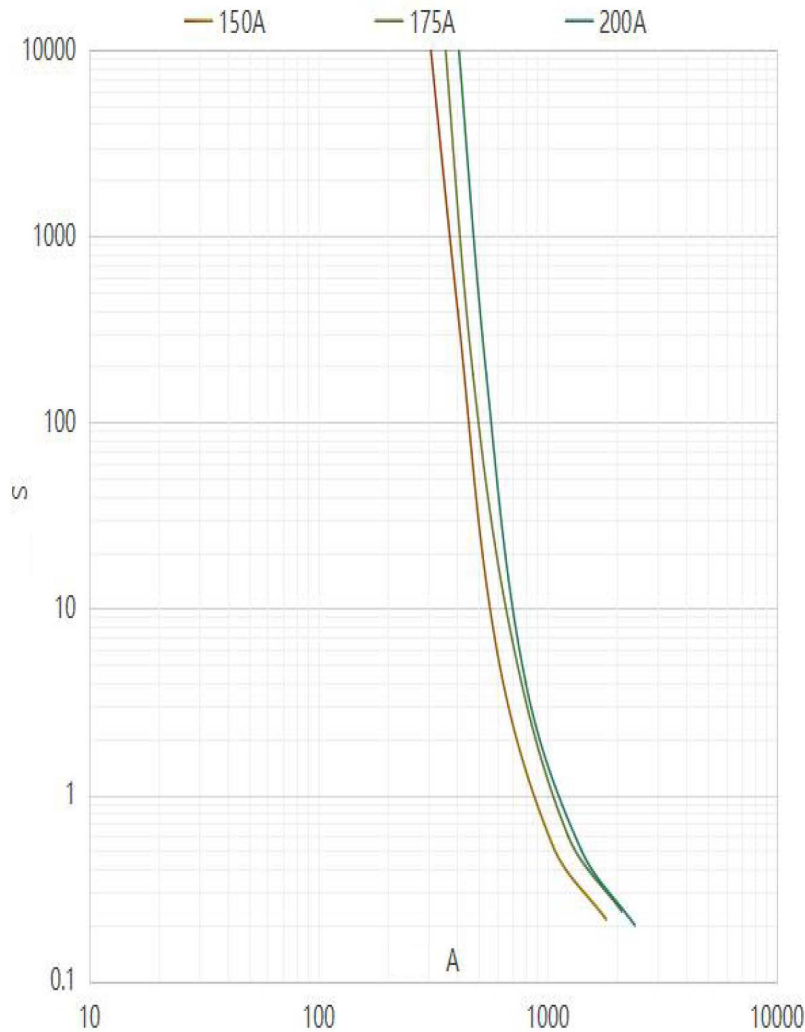


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Time-current characteristics curves



Temperature-current characteristics

Current (A)	-40℃	-20℃	0℃	20℃	55℃	85℃	100℃	110℃	125℃
30A	30	30	30	30	27	24	21	18	16
40A	40	40	40	40	36	32	29	24	23
50A	50	50	50	50	48	44	41	33	29
60A	60	60	60	60	55	48	44	36	31
70A	70	70	70	70	64	59	51	46	40
80A	80	80	80	80	76	71	65	54	49
100A	100	100	100	100	94	85	76	65	57
125A	125	125	125	125	122	105	95	79	71
150A	150	150	150	150	144	120	105	89	78
175A	175	175	175	175	168	131	110	94	81
200A	200	200	200	200	189	139	119	97	86

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Temperature-current characteristics curves

Temperature security margin is 20%.

