

MIDI Dc Fuse

PMD-32V Series

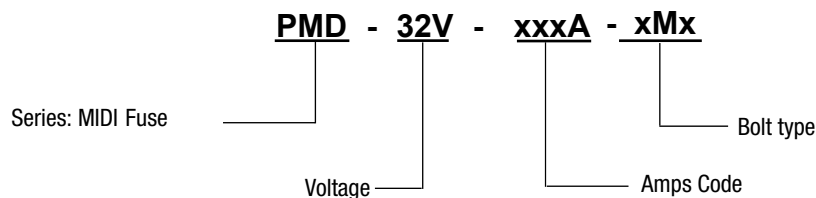
Bolt Down Fuse

Description

- Rated Voltage : 32VDC
- Rated Current : 30-200A
- Interrupting Rating: 2500A@32VDC
- Allowable use conditions: -40°C ~125°C
- Recommended installation torque:
 - 4~6 Nm(12Nm Max.)/M5
 - 6~9 Nm(12Nm Max.)/M6
- Metal material : Tinned copper alloy
- 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

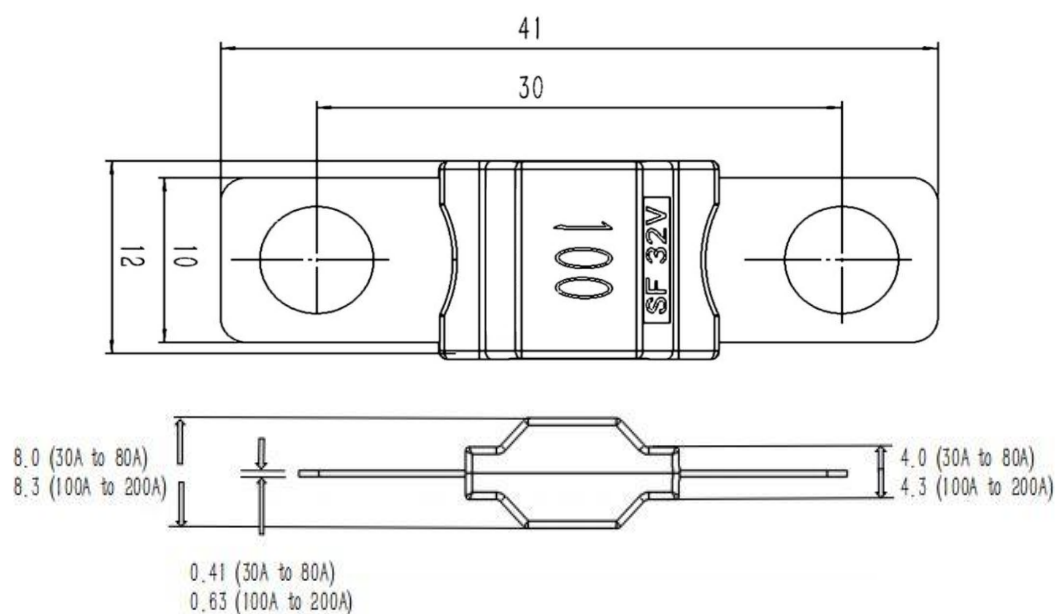
Material number	Ampere rating	Interrupting Rating	Typical Voltage Drop (mV)	Typical Cold Resistance (mOhms)	I ² t (A ² s)	Wire Specification (mm)
PMD-32V-30A-xMx	30A	2500A@32VDC	72	2.04	8,400	2.5
PMD-32V-40A-xMx	40A		72	1.42	11,200	4
PMD-32V-50A-xMx	50A		73	0.99	14,600	6
PMD-32V-60A-xMx	60A		70	0.88	24,800	6
PMD-32V-70A-xMx	70A		68	0.82	26,600	10
PMD-32V-80A-xMx	80A		71	0.59	32,400	10
PMD-32V-100A-xMx	100A		68	0.48	54,600	16
PMD-32V-125A-xMx	125A		72	0.38	76,400	25
PMD-32V-150A-xMx	150A		58	0.30	84,600	25
PMD-32V-175A-xMx	175A		58	0.24	120,200	25
PMD-32V-200A-xMx	200A		52	0.22	168,400	25

*Note:

1. The I²t value is calculated by using a time curve before the arc occurs

Product Dimension Unit: mm

For 2bolts, Ordering P/N: PMD-32V-xxxA-2M5 or PMD-32V-xxxA-2M6



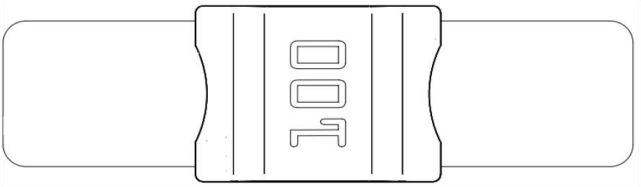
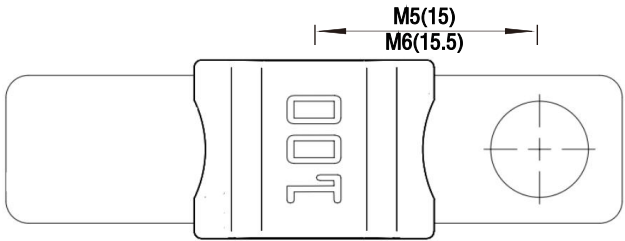
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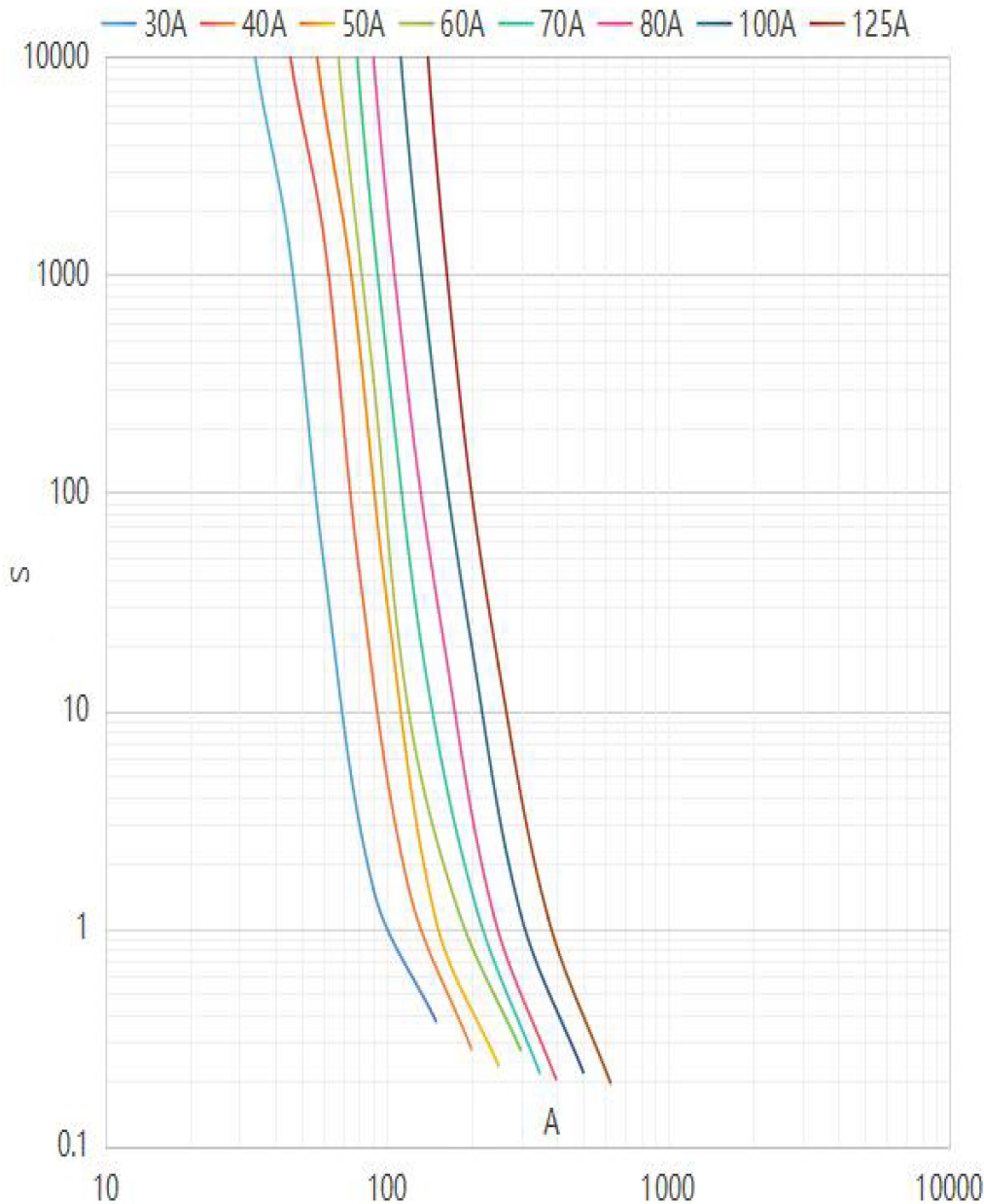
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For 1bolts, Ordering P/N: PMD-32V-xxxA-1M5 or PMD-32V-xxxA-1M6

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



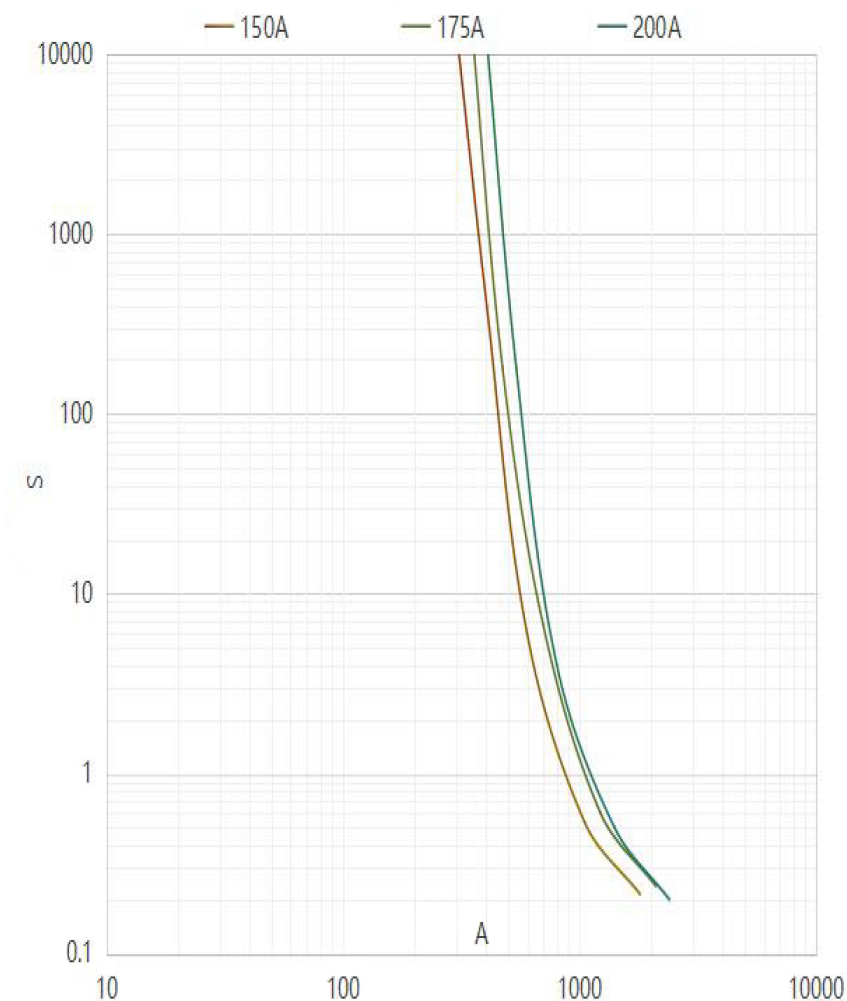
Time-current characteristics curves



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Temperature-current characteristics

Current (A)	-40℃	-20℃	0℃	20℃	55℃	85℃	100℃	110℃	125℃
30A	30	30	30	30	28	24	22	18	16
40A	40	40	40	40	37	32	29	25	23
50A	50	50	50	50	48	45	41	34	29
60A	60	60	60	60	56	48	44	37	31
70A	70	70	70	70	65	59	52	46	40
80A	80	80	80	80	76	72	65	55	49
100A	100	100	100	100	95	85	76	65	57
125A	125	125	125	125	123	105	95	80	71
150A	150	150	150	150	145	120	105	90	78
175A	175	175	175	175	169	131	111	94	81
200A	200	200	200	200	190	140	119	98	86

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Temperature-current characteristics curves

Temperature security margin is 20%.

