

POWrFuse™ PF-M Series Features

- Designed to UL 248-13 semiconductor class aR standard
- 240 VAC / 150 VDC rated voltage
- Designed in the traditional round body bolted style package
- RoHS compliant* and halogen free**
- Agency recognition: c UL us

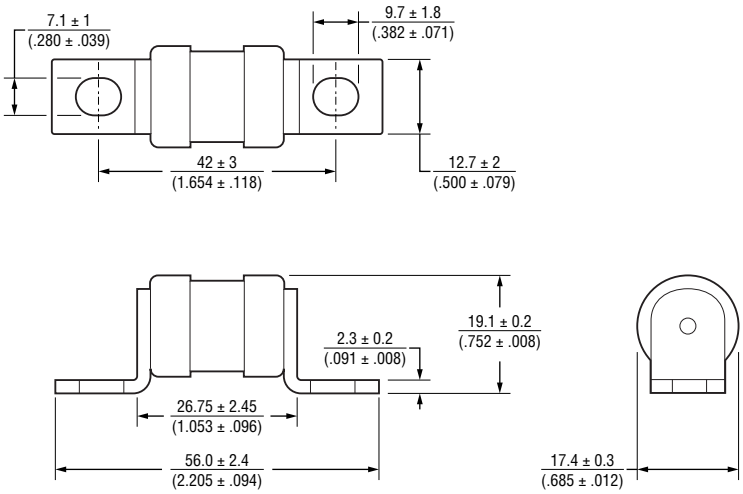
PF-M Series – Semiconductor (aR) Power Fuses

Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I^2t (A^2s)****	Watts Loss at 100% In (W)	Agency Recognition
PF-MB1-50	50	0.00183	240 VAC 150 VDC	160 kA @ 240 VAC 50 kA @ 150 VDC	2463	8.8	E500949
PF-MB1-60	60	0.00156			3574	11	
PF-MB1-70	70	0.00117			4047	12.5	
PF-MB1-80	80	0.00098			5447	13.7	
PF-MB1-100	100	0.00072			8352	16.2	
PF-MB1-125	125	0.0006			10077	22	
PF-MB1-150	150	0.00049			15100	25	
PF-MB1-180	180	0.00038			17268	25	

*** Resistance value measured with ≤10 % rated current at 25 °C ambient.
**** Nominal I^2t value measured at 240 VDC.

Product Dimensions



Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Environmental Characteristics

Operating Temperature .....-55 °C to +125 °C

Packaging

Model	Quantity
PF-M	10 pcs. / box

BOURNS®

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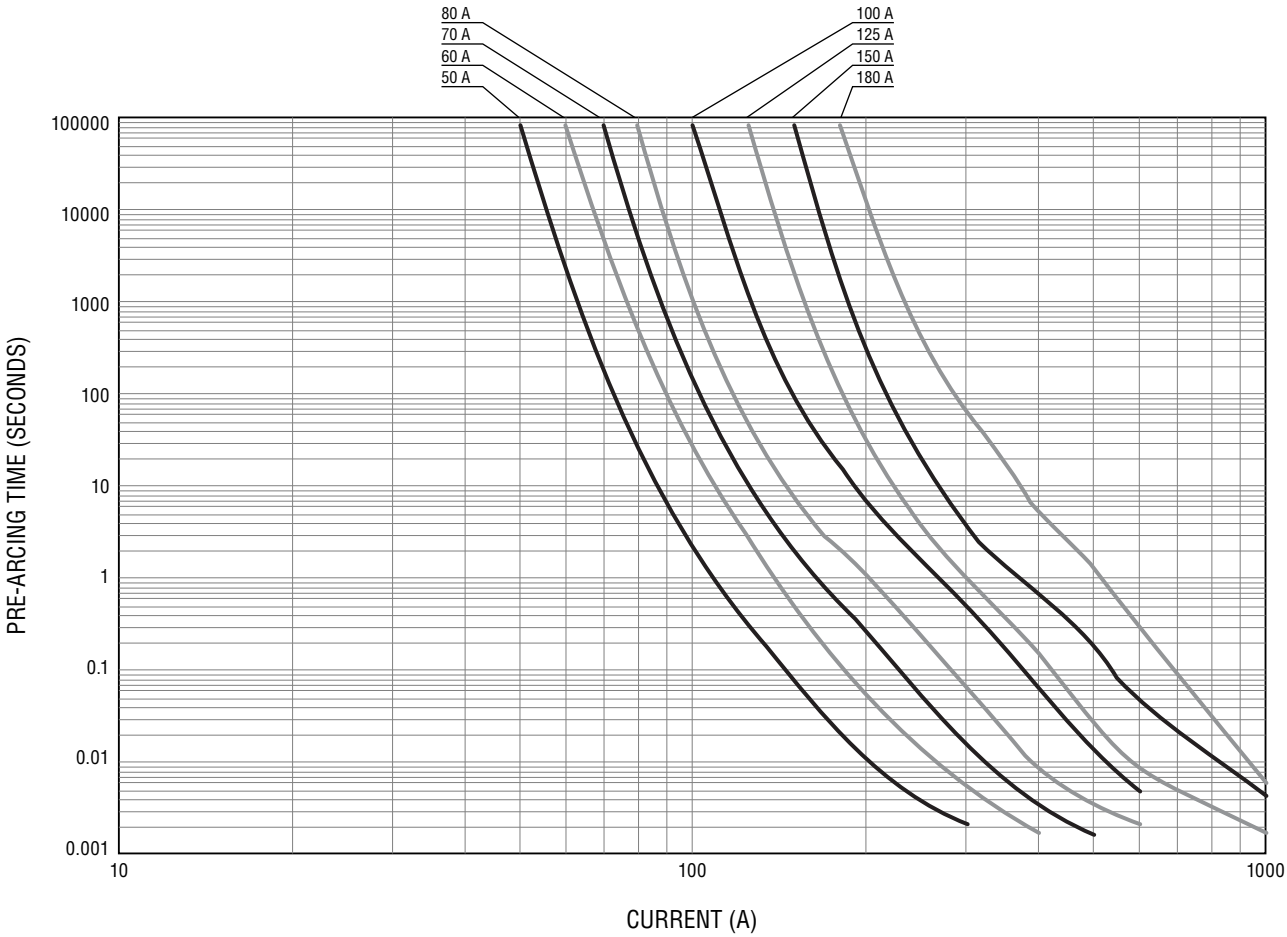
WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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Average Pre-Arcing Time vs. Current Curves



Recommended Mounting Torque and Bolt Sizes

Mounting Torque	Bolt Size
6 ± 1 Nm	M6

How to Order

PF - M B1 - 100

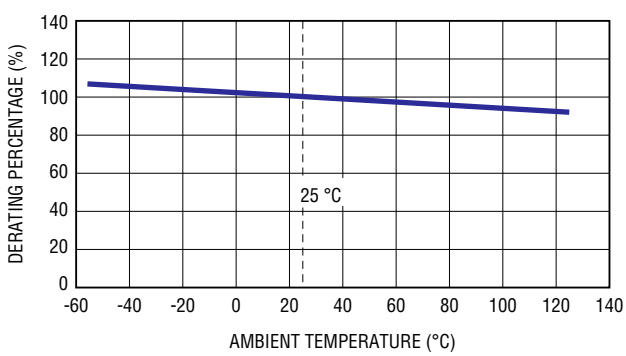
POWrFuse™
Product Designator

Series Name

Mounting Type
B1 = Bolt Mounting, Type 1

Rated Current
50 - 180 = 50 A - 180 A

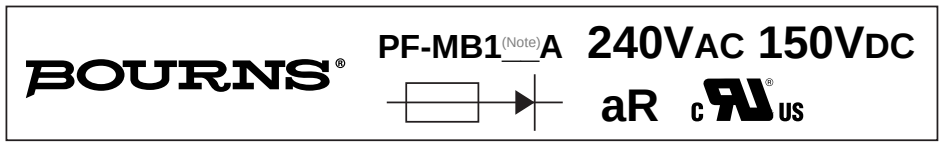
Current Rating Thermal Derating Curve



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Typical Part Marking

Model	Note	Ink Color	Marking
PF-MB1-50	50	Black	
PF-MB1-60	60		
PF-MB1-70	70		
PF-MB1-80	80		
PF-MB1-100	100		
PF-MB1-125	125		
PF-MB1-150	150		
PF-MB1-180	180		

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