

### 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 **71** us



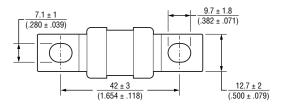
## PF-M Series - Semiconductor (aR) Power Fuses

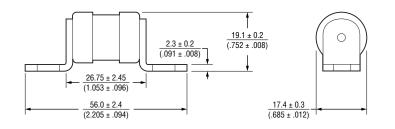
### **Electrical Characteristics**

Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I <sup>2</sup> t (A <sup>2</sup> s)****	Watts Loss at 100% In (W)	Agency Recognition
							c <b>SL</b> ° us
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	

<sup>\*\*\*</sup> Resistance value measured with ≤10 % rated current at 25 °C ambient.

### **Product Dimensions**





### **Additional Information**

Click these links for more information:







TECHNICAL INVENTORY SAMPLES





<u> LIDIUMIT</u>

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

**Environmental Characteristics** 

### Packaging

Model	Quantity	
PF-M	10 pcs. / box	

## **BOURNS**®

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\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

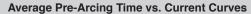
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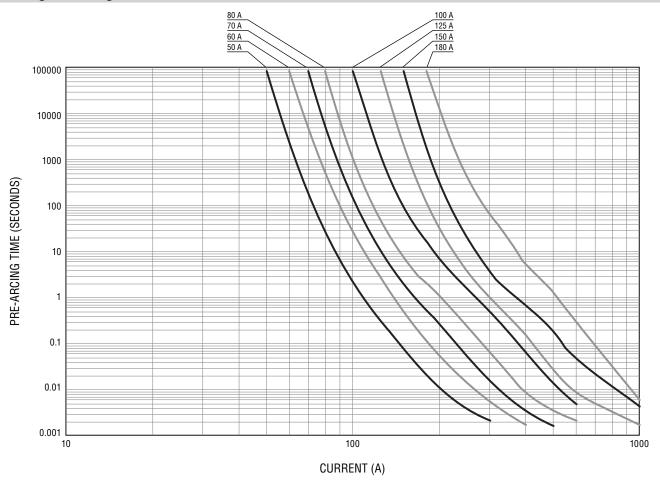


<sup>\*\*\*\*</sup> Nominal I2t value measured at 240 VDC.

<sup>\*\*</sup> 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. "POWrFuse" is a trademark of Bourns, Inc.

# PF-M Series – Semiconductor (aR) Power Fuses

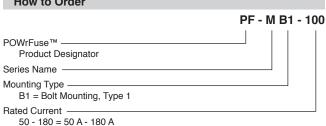


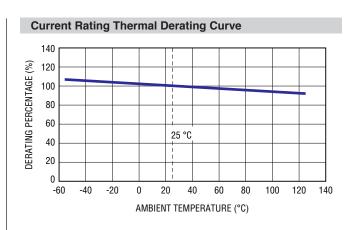


### **Recommended Mounting Torque and Bolt Sizes**

Mounting Torque	Bolt Size		
6 ± 1 Nm	M6		

### **How to Order**





Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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# PF-M Series – Semiconductor (aR) Power Fuses

### Typical Part Marking

Model	Note	Ink Color	Marking				
PF-MB1-50	50						
PF-MB1-60	60						
PF-MB1-70	70		DE MD4004 240V4 0 150VD0				
PF-MB1-80	80	Black	PF-MB1 A 240VAC 150VDC				
PF-MB1-100	100	DIACK	aR c Rus				
PF-MB1-125	125						
PF-MB1-150	150						
PF-MB1-180	180						

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