



BOURNS®

POWrFuse™ PF-H (Ind) Series Features

- Designed to UL 248-14 supplemental fuse standard
- 6-12 A ratings available
- Up to 100 kA interrupting rating
- Available in ferrule or PCB mounting options
- RoHS compliant* and halogen free**
- Agency recognition: 



PF-H (Ind) Series – Industrial Power Fuses

Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
135 %	—	60 minutes
200 %	—	2 minutes

Additional Information

Click these links for more information:



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Electrical Characteristics

Model	Rated Current (A)	Nominal Resistance (Ω)***	Rated Voltage	Interrupting Rating	Nominal I ² t (A ² s)****	Watts Loss (W)		Agency Recognition			
						@ 70 % In	@ 100 % In				
PF-HC1-6	6	0.02675	600 VAC 600 VDC	100 kA @ 600 VAC 100 kA @ 600 VDC	50.724	1.05	2.4	 E198545			
PF-HT1-6					258.192	1.7	4.3				
PF-HC1-12		0.0108									
PF-HT1-12											

*** Resistance value measured with ≤10 % rated current at 25 °C ambient.

**** Nominal I²t value measured at 10x rated current.

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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.

"POWrFuse" is a trademark of Bourns, Inc.

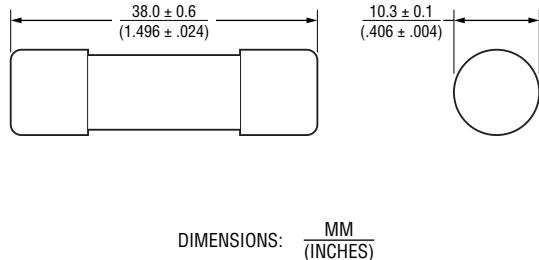
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PF-H (Ind) Series – Industrial Power Fuses

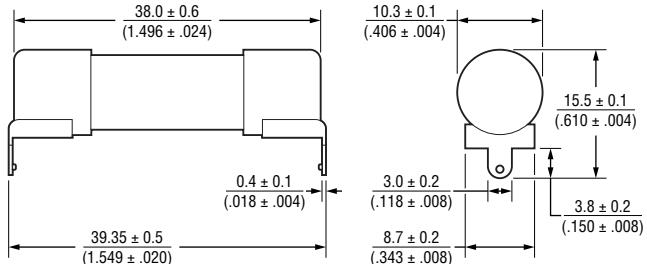
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Product Dimensions

Ferrule/C1



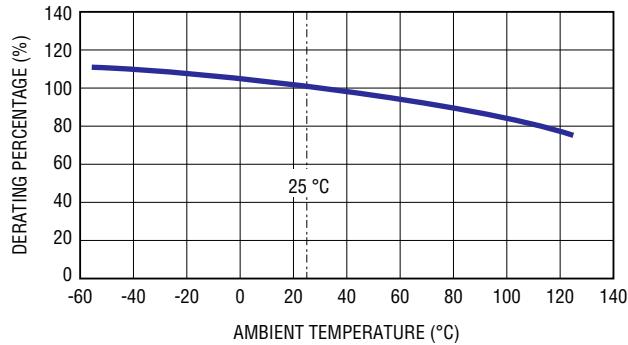
PCB Mounting/T1



Environmental Characteristics

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

Current Rating Thermal Derating Curve



How to Order

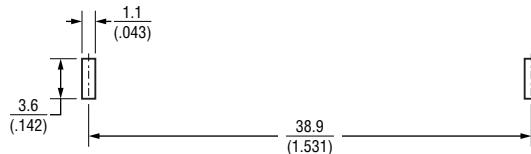
PF - H C1 - 12

POWRFuse™ _____
Product Designator _____
Series Name _____
Mounting Type _____
C1 = Ferrule, Type 1
T1 = PCB Mounting, Type 1
Rated Current _____
6 - 12 = 6 A - 12 A

Packaging

Model	Quantity
PF-HC1	10 pcs. / box
PF-HT1	50 pcs. / tray

Recommended Drilling Pattern



Wave Soldering Recommendations (for PCB Mounting)

Profile Feature	Pb-Free Assembly
Preheat: Temperature Max. Temperature Min.	150 °C 100 °C
Solder Pot Temperature	280 °C max.
Solder Dwell Time	8 seconds max.

Hand Soldering Recommendations (for PCB Mounting)

Soldering Iron Temperature	Heating Time
350 °C ± 5 °C	40 sec. max.

Typical Part Marking

Model	Note	Ink Color	Marking
PF-HC1-6	6	Black	BOURNS® cULus PF-HC1 (Note) A LISTED IR 100KA DC 100KA AC 600V FGHG
PF-HC1-12			
PF-HT1-6	6	Black	BOURNS® cULus PF-HT1 (Note) A LISTED IR 100KA DC 100KA AC 600V FGHG
PF-HT1-12			

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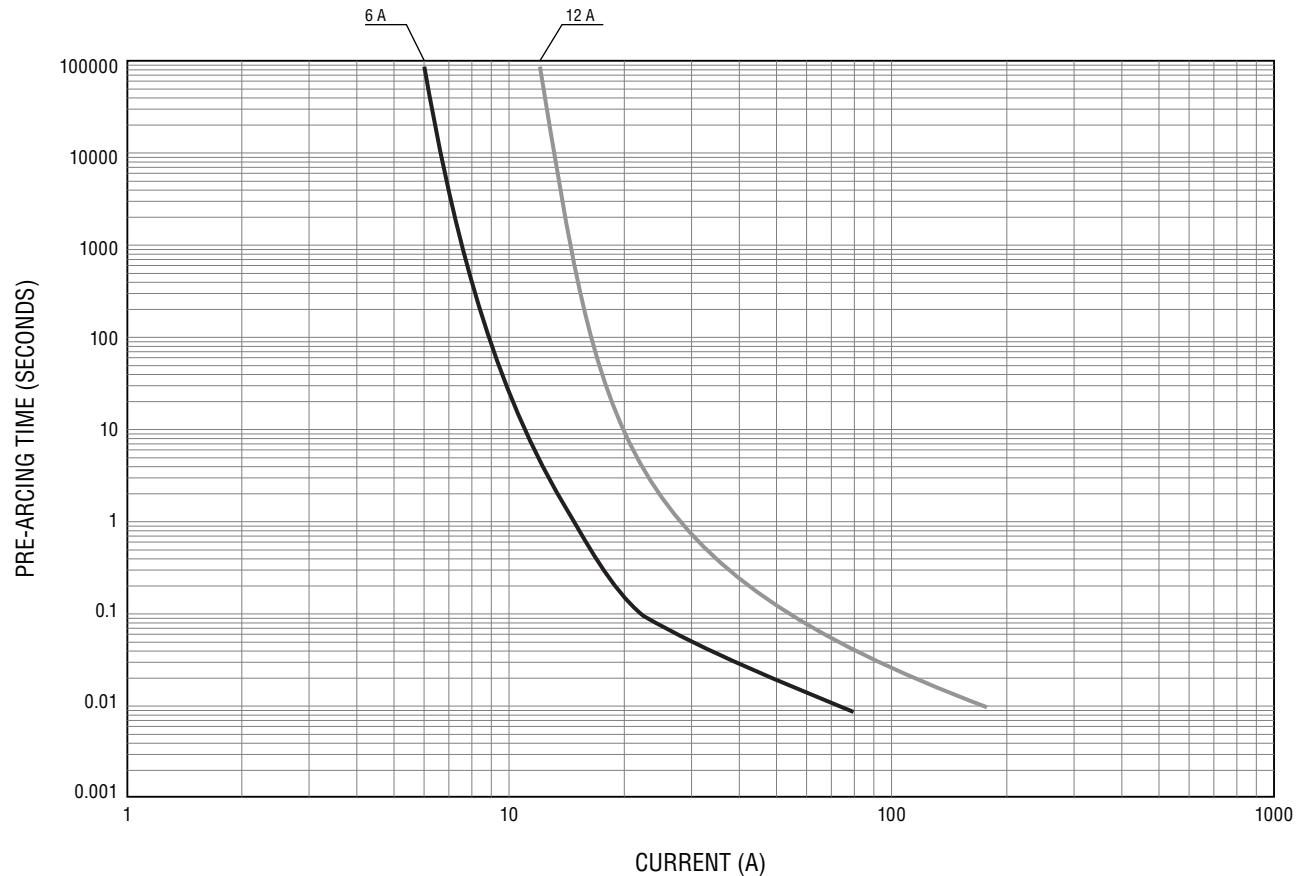
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Average Pre-Arcing Time vs. Current Curves



REV. 05/22

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