

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: cUus



PF-H (Ind) Series – Industrial Power Fuses

Clearing Time Characteristics for Series

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

Additional Information

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Electrical Characteristics

	Rated	Nominal	Rated	Interrupting	Nominal I ² t (A ² s)****	Watts Loss (W)		Agency Recognition
Model	Current (A)	Resistance (Ω)***	Voltage			@ 70 % In	@ 100 % In	CUJUS
PF-HC1-6	6	0.00075			50.724	1.05	2.4	<u>E198545</u>
PF-HT1-6	6	0.02675	600 VAC					
PF-HC1-12	40	0.0400	600 VDC		050.400	4.7	4.0	
PF-HT1-12		0.0108		258.192	1.7	4.3		

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

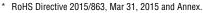
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^{**} Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less. "POWrFuse" is a trademark of Bourns, Inc.

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.



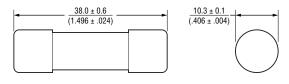
^{****} Nominal I2t value measured at 10x rated current.

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Product Dimensions

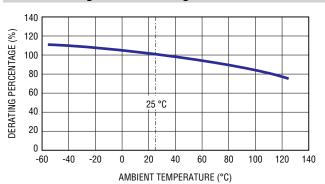
Ferrule/C1



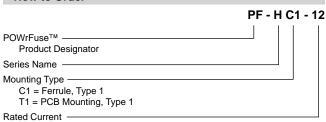
Environmental Characteristics

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

Current Rating Thermal Derating Curve



How to Order

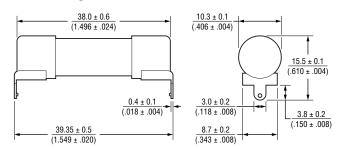


Packaging

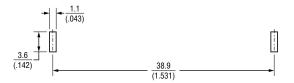
6 - 12 = 6 A - 12 A

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

PCB Mounting/T1



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)

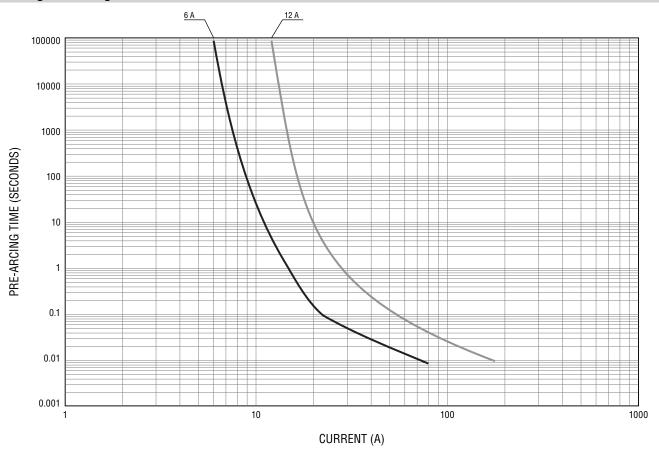
Soldering Iron Temperature	Heating Time	
350 °C ± 5 °C	40 sec. max.	

Typical Part Marking

Model	Note	Ink Color	Marking
PF-HC1-6	6	Dlask	BOURNS CON US
PF-HC1-12	12	Black	PF-HC1(Note) A 11 100KA DC 100KA AC 600V ROHS @
PF-HT1-6	6	Black	BOURNS'; (1) 08 ISTED PF-HT1 (Note) A 18 190KA DC
PF-HT1-12	12	Diack	PF-HI1 (Note) A 100KA AC 600V RoHS ⊗

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Average Pre-Arcing Time vs. Current Curves



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