



BOURNS®

POWrFuse™ PF-G Series Features

- Designed to UL 248-1 (90 A) and 248-14 (63 A) standards
- 500 VAC (90 A) and 600 VAC (63 A) ratings available
- Up to 2 kA interrupting rating
- RoHS compliant* and halogen free**
- Agency recognition:  us



PF-G Series – Industrial Power Fuses

Clearing Time Characteristics for Series

% of Current Rating	Clearing Time at 25 °C	
	Minimum	Maximum
100 %	4 hours	—
200 % (63 A)	—	120 seconds
200 % (90 A)	—	360 seconds

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)****	Agency Recognition
						
PF-GT3-63	63	0.0013	600 VAC 125 VDC	1500 A @ 600 VAC 2000 A @ 250 VAC 500 A @ 125 VDC	9892.95	E198545
PF-GT3-90	90	0.00085	500 VAC	1500 A @ 500 VAC	9234	E500949

*** Resistance value measured with $\leq 10\%$ rated current at 25 °C ambient.

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

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* 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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WARNING

Cancer and Reproductive Harm

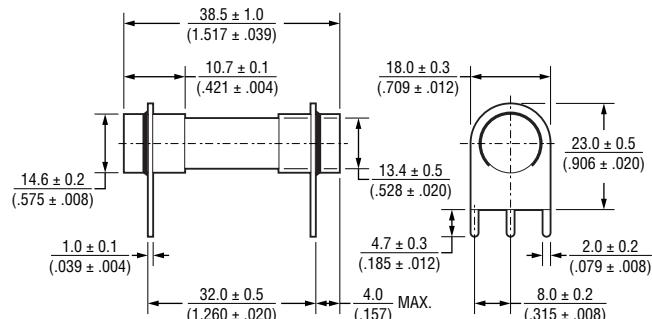
www.P65Warnings.ca.gov

PF-G Series – Industrial Power Fuses

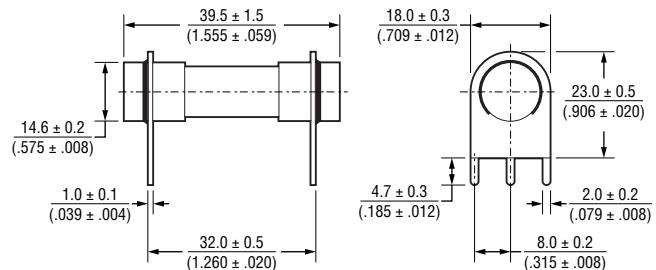
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Product Dimensions (PCB Mounting/T3)

PF-GT3-63



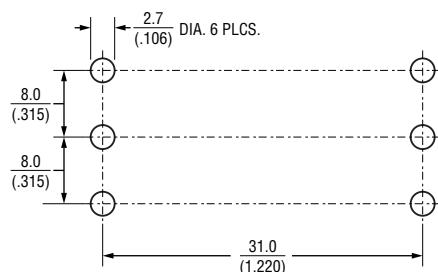
PF-GT3-90



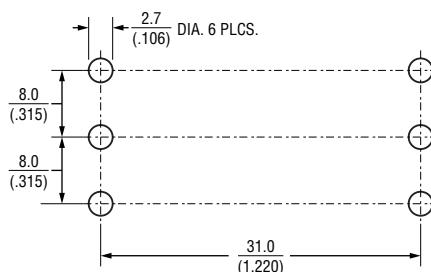
DIMENSIONS: **MM**
(INCHES)

Recommended Drilling Pattern

PF-GT3-63



PF-GT3-90



Wave Soldering Recommendations

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.

Environmental Characteristics

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

Typical Part Marking

Model	Brass End Cap 1	Brass End Cap 2
PF-GT3-63		63A 600V
PF-GT3-90		90A 500V

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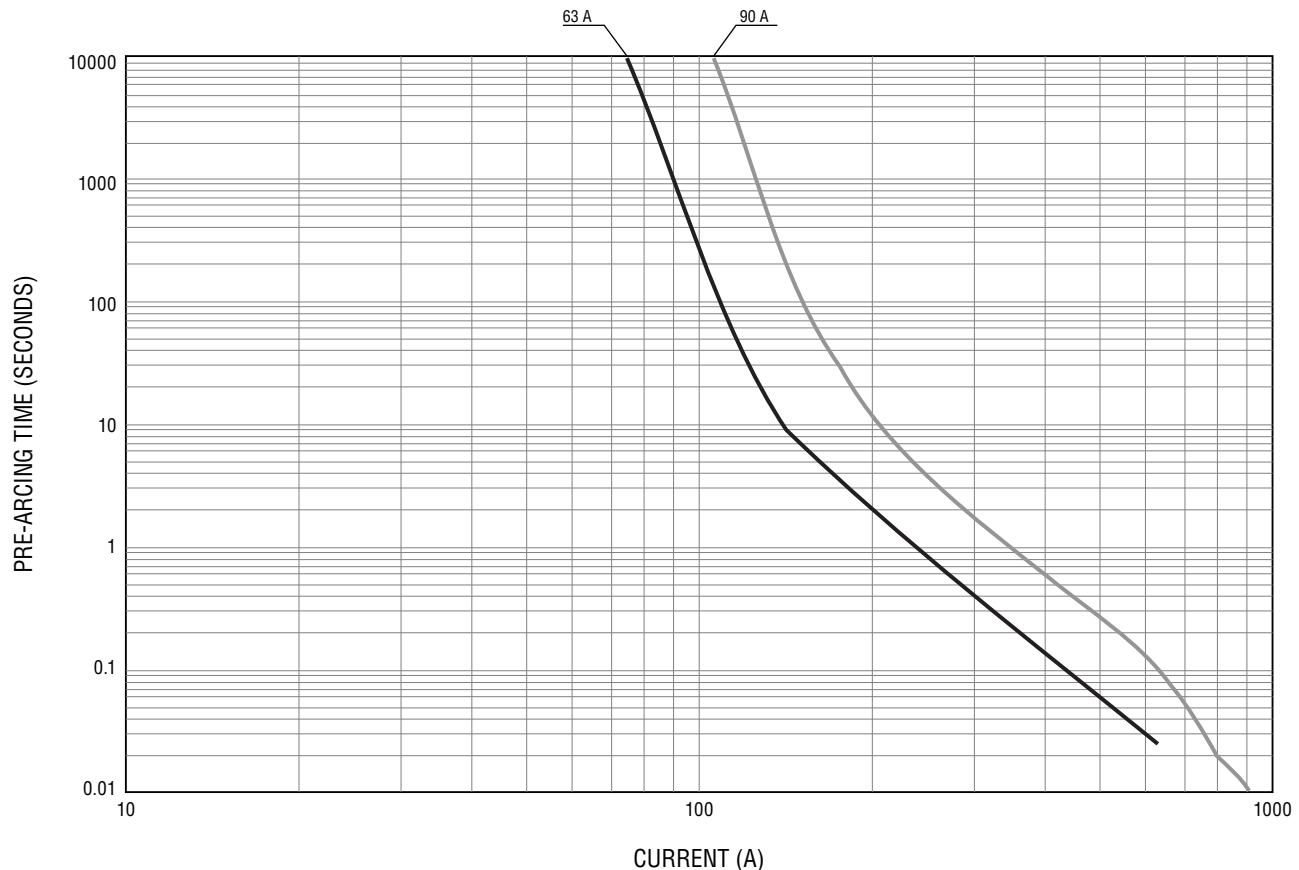
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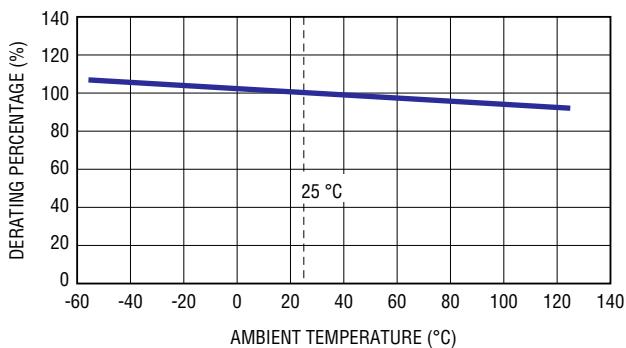
PF-G Series – Industrial Power Fuses

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Average Pre-Arcing Time vs. Current Curves



Current Rating Thermal Derating Curve



How to Order

PF - G T3 - 63

POWrFuse™ _____
 Product Designator _____
 Series Name _____
 Mounting Type _____
 T3 = PCB Mounting, Type 3
 Rated Current _____
 63 - 90 = 63 A - 90 A

Packaging

Model	Quantity
PF-G	60 pcs. / box

REV. 05/22

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