Bourns® PF-G, PF-J and PF-H (Ind) Series Industrial Power Fuses

NEW PRODUCT BRIEF

POWrFuse™ High-Power Fuses

INTRODUCTION

Bourns® POWrFuse™ High-Power Fuses are industrial fuse links designed to meet UL 248 and IEC 60269 standards. The new POWrFuse™ PF-J, PF-G and PF-H (Ind) model families are specially designed to meet UL284-1 and UL248-14 standards and protect systems in extreme ambient temperatures and fault current events.

Bourns® POWrFuse™ PF-J, PF-G and PF-H (Ind) model series provide three mounting options for use in a variety of home appliance and industrial applications.

FEATURES

- Designed to meet UL 248-1 and 248-14 standards
- Up to 90 A and 600 VAC ratings available
- Up to 100 kA interrupting rating
- Low resistance and power loss
- Temperature range: -55 to +125 °C
- Ferrule and PCB mounting options
- RoHS compliant*
- Halogen free**

BENEFITS

- Global quality with local services
- The standard compliance and robust interrupting rating helps to ensure the safety and quality as well as minimal service calls, thereby minimizing the Total Cost of Ownership (TCO)
- Complete solution with Bourns® high current rating overvoltage protectors is listed under “MORE INFORMATION”

APPLICATIONS

- Air conditioning inverters
- Ice machine compressors
- Dehumidifier compressors

MORE INFORMATION

- AC Power SPD: 1210 Series
- DC Power SPD: 1320 Series
- Power TVS (PTVS) Diodes
- High Energy MOVs
- High Current GDTs
- High Current Chokes
- High Current SinglFuse™ SMD Fuses: SF-3812 and SF-2923 Series

HOW TO ORDER

PF - x xx - xx

POWrFuse™ Product Designator
Series Name
Mounting Type
C1 = Ferrule/Type 1
T1 = PCB Mounting/Type 1
T3 = PCB Mounting/Type 3
Rated Current
63 = 63 A

PACKAGING SPECIFICATIONS

PF-J Series ........................................ 80 pcs./box
PF-G Series ........................................ 60 pcs./box
PF-HC1 Series ..................................... 10 pcs./box
PF-HT1 Series ..................................... 50 pcs./tray

** 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.
Bourns® PF-G, PF-J and PF-H (Ind) Series Industrial Power Fuses

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Series</th>
<th>Rated Current</th>
<th>Rated Voltage</th>
<th>Interrupting Rating</th>
<th>Agency Recognition</th>
<th>Mounting Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-J</td>
<td>30 – 70 A</td>
<td>500 VAC 125 VDC</td>
<td>2000 A @ 500 VAC 2000 A @ 250 VAC 1000 A @ 125 VDC</td>
<td></td>
<td>√</td>
</tr>
<tr>
<td>PF-G</td>
<td>63 A</td>
<td>600 VAC 125 VDC</td>
<td>1500 A @ 600 VAC 2000 A @ 250 VAC 500 A @ 125 VDC</td>
<td>C-UL-US Listed</td>
<td>√</td>
</tr>
<tr>
<td>PF-H (Ind)</td>
<td>90 A</td>
<td>500 VAC</td>
<td>1500 A @ 500 VAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF-H (Ind)</td>
<td>6 – 12 A</td>
<td>600 VAC 600 VDC</td>
<td>1000 A @ 600 VAC 1000 A @ 125 VDC</td>
<td></td>
<td>√ √</td>
</tr>
</tbody>
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**PRODUCT DIMENSIONS**

<table>
<thead>
<tr>
<th>Series</th>
<th>PF-H Series</th>
<th>PF-J / PF-G Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrule (C1) Type</td>
<td>PCB Mounting (T1) Type</td>
<td>PCB Mounting (T3) Type</td>
</tr>
</tbody>
</table>

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