

Bourns Releases New Semiconductor Class aR Power Fuse Product Family

Model PF-F and PF-M Series

Riverside, California – June 30, 2022 – Bourns POWrFuse High-Power Fuse Product Line is pleased to announce two new series of POWrFuse™ High-Power Fuse product families, which are high power rating industrial fuse links designed to the UL 248-13 standard.

The new model PF-F and PF-M high-speed fuse series are specially designed to meet the UL 248-13 semiconductor (aR) standard to help protect sensitive power semiconductor devices against overcurrent events. These new series are intended for use in a variety of power inverters, converters, rectifiers, AC/DC drives, UPS systems and reduced voltage motor starters.

Series	Rated Current	Rated Voltage	Interrupting Rating	Agency Recognition	RoHS Compliant*	Halogen Free**	Mounting Type (Bolt Mounting)
PF-F	50 – 400 A	800 VAC 800 VDC	100 kA @ 800 VAC 50 kA @ 800 VDC	c UL us	Yes	Yes	 B1  B2
PF-M	50 – 180 A	240 VAC 150 VDC	160 kA @ 240 VAC 50 kA @ 150 VDC	c UL us	Yes	Yes	 B1

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Americas: Tel +1-951 781-5500
americus@bourns.com

EMEA: Tel +36 88 885 877
eurocus@bourns.com

Asia-Pacific: Tel +886-2 256 241 17
asiacus@bourns.com

Bourns® POWrFuse™ High-Power Fuses are RoHS compliant* and halogen free**. For additional information on Bourns® POWrFuse™ products, please visit the Bourns website at www.bourns.com/products/fuses/powrfuse-high-power-fuses. Should you have any questions, please feel free to contact Bourns Customer Service/Inside Sales.

Features

- Designed to UL 248-13 semiconductor class aR fuse standards
- Operating temperature range: -55 to +125 °C
- Bolt mounting
- RoHS compliant* and halogen free**
- Agency recognition: c UL us

Applications

- Energy Storage Systems
- Battery Disconnect Units (BDUs)
- Battery module protection

* *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.