



NEW PRODUCT RELEASE


POWRFUSE™ HIGH-POWER FUSES



Bourns POWrFuse High-Power Fuse Line Releases 500 VDC/690 VAC Semiconductor aR Class Power Fuses PF-SRC50E Series

Riverside, California - December 16, 2025 – Bourns is pleased to introduce the [PF-SRC50E Series](#) to the POWrFuse™ High-Power Fuse product family. The PF-SRC50E Series is engineered to meet UL 248-13 and IEC 60269-4 (aR Class) semiconductor standards.

This series is engineered to protect semiconductor devices against overcurrent conditions. Housed in a compact 17.5 mm diameter by 46 mm length, this bolt-down mounting series is ideal for use in power inverters, converters, rectifiers, AC/DC drives, uninterruptible power supplies (UPS) and reduced voltage motor starters.

Series	Rated Current (A)	Rated Voltage	Interrupting Rating	Agency Recognition	RoHS Compliant*	Halogen Free**	Mounting Type
PF-SRC50E	32 to 100	500 VDC 690 VAC	50 kA @ 500 VDC 100 kA @ 690 VAC		Yes	Yes	Bolt-down

Bourns® POWrFuse™ products are RoHS compliant* and halogen free**. For additional information on Bourns® POWrFuse™ products, please visit the Bourns website at <https://bourns.com/products/circuit-protection/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 and IEC 60269-4 semiconductor fuse standards
- 500 VDC/690 VAC and 32-100 A ratings available
- Up to 100 kA interrupting rating
- Compact size: 17.5 mm dia. x 46 mm L
- Bolt-down mounting type
- RoHS compliant* and halogen free**

Applications

- Energy Storage Systems
- Battery pack protection
- Battery Disconnect Unit (BDU)
- Battery module protection

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* 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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