



NEW PRODUCT RELEASE

POWRUSE™ HIGH-POWER FUSES



Bourns POWrFuse™ High-Power Fuse Line Releases 1000 VDC Semiconductor aR Class Power Fuses PF-000100E, PF-01N100E and PF-1NH100E Series

Riverside, California - May 29, 2026 – The [PF-000100E](#), [PF-01N100E](#), and [PF-1NH100E](#) Series are additions to the Bourns® POWrFuse™ High-Power Fuse product family.

These high-power industrial fuse links are designed to comply with UL 248-13 (aR Class), IEC 60269-4 (aR Class), and IEC 60269-7 (battery storage systems) standards. The series protect semiconductor (aR Class) and battery (aBat) applications by safeguarding critical components against overcurrent conditions.

Series	Rated Current (A)	Rated Voltage	Interrupting Rating	Safety Agency			RoHS Compliant*	Halogen Free**	Mounting Type
				UL	TUV	CE			
PF-000100E	50 - 250	1000 VDC		aR	aBat	-			Bolt Down
PF-01N100E	50 - 450	800 - 1000 VDC	50 kA @ 1000 VDC	-	aR	aR	Yes	Yes	Bolt Down DIN Blade Flush End
PF-1NH100E	400 - 630	1000 VDC		-	aR	aR			

The PF-000100E, PF-01N100E, and PF-1NH100E Series are available now. For additional information, visit www.bourns.com or contact [Bourns Customer Service/Inside Sales](#).

Features

- Designed to meet UL 248-13 (aR Class) and IEC 60269-7 (aBat Class) fuse standards (PF-000100E Series)
- Designed to meet IEC 60269-4 (aR Class) fuse standard (PF-01N100E and PF-1NH100E Series)
- 1000 VDC rated voltage and 50 kA interrupting current (PF-000100E and PF-1NH100E Series)
- 800/1000 VDC rated voltage and 50 kA interrupting current (PF-01N100E Series)
- RoHS compliant*
- Halogen free**

Applications

- Power conversion devices
- DC systems (PF-000100E)
- DC common bus systems (PF-01N100E Series and PF-1NH100E Series)
- Battery energy storage systems (BESS)
- DC charging piles

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.

PF2602