



Protection for UPS & Critical Applications Made Simple

Finger-Safe Fast-Acting CUBEFuse[®] Delivers Superior Protection with up to a 75% Smaller Footprint

- Fast-acting protection specifically for UPS and other critical applications
- Finger-safe fuses minimize exposure to live parts, reducing hazard to personnel
- Integral use with Compact Circuit Protector (CCP) or CUBEFuse holder minimizes panel space
- Minimizes incident energy and reduces arc-flash hazards utilizing Class J electrical characteristics
- Available in Cooper Bussmann Quik-Spec Coordination Panelboard for easy installation in the smallest fusible panel footprint



Catalog Symbol: FCF_RN

Fast-Acting Fuse: 4-minutes maximum clearing time at 200% rated current for 1 to 30A fuse
 6-minutes maximum clearing time at 200% rated current for 35 to 60A fuse
 8-minutes maximum clearing time at 200% rated current for 70 to 100A fuse

Voltage Ratings: 600Vac/dc*

Amp Ratings: 1 to 100A

Interrupting Ratings: 1-60A:

- 300kA RMS Sym. (UL)
- 200kA RMS Sym. (CSA)
- 50kA DC (UL & CSA)

Interrupting Ratings: 70-100A:

- 200kA RMS Sym. (UL)
- 200kA RMS Sym. (CSA)
- 50kA DC (UL & CSA)

Agency Information:

- UL Listed Fuse: Guide JFHR, File E4273
- CSA Certified Fuse: Class 1422- 02, File 53787
- CE compliance for the European Union low voltage directive
- RoHS compliant

Other Ratings/Specifications:

Watts Loss at rated current: FCF15RN: 3.48W
 FCF30RN: 5.45W
 FCF60RN: 7.27W
 FCF100RN: 11.50W

Operating and Storage Temperature Range: -40 to 80°C

Material Specifications:

- Case: Glass filled PES (Polyethersulfone)
- Terminals: Copper alloy
- Terminal plating: Electroless tin

*600Vdc rating only applicable when using with the CUBEFuse holder (TCFH)

Features and Product Benefits

- The world's first finger-safe power fuse system.
- Smallest footprint of any class fuse including Class J, CC, T and RK.
- Class CF meets Class J fast-acting electrical performance requirements.
- Faster response to damaging faults to help reduce destructive thermal and magnetic forces.
- True fast-acting fuse construction.
- High interrupting rating to safely interrupt faults up to 300kA.
- No venting of arc or molten metal and gases during opening.
- Low let-through currents under fault conditions.

Catalog Numbers (amp rating)

Non-Indicating CUBEFuse®					
FCF1RN	FCF3RN	FCF6RN	FCF10RN	FCF15RN	FCF20RN
FCF25RN	FCF30RN	FCF35RN	FCF40RN	FCF45RN	FCF50RN
FCF60RN	FCF70RN	FCF80RN	FCF90RN	FCF100RN	

CUBEFuse Holders and Disconnects

Catalog Numbers (amps)	Fits Fuse Holder			Fits CCP CF		
	TCFH30N	TCFH60N	TCFH100N	CCP30CF	CCP60CF	CCP100CF
FCF1RN	X	X	X	X	X	X
FCF3RN	X	X	X	X	X	X
FCF6RN	X	X	X	X	X	X
FCF10RN	X	X	X	X	X	X
FCF15RN	X	X	X	X	X	X
FCF20RN	X	X	X	X	X	X
FCF25RN	X	X	X	X	X	X
FCF30RN	X	X	X	X	X	X
FCF35RN		X	X		X	X
FCF40RN		X	X		X	X
FCF45RN		X	X		X	X
FCF50RN		X	X		X	X
FCF60RN		X	X		X	X
FCF70RN			X			X
FCF80RN			X			X
FCF90RN			X			X
FCF100RN			X			X



The DIN rail mounted 1-, 2-, and 3-pole CCP_CF comes in 30, 60 and 100A versions. The CCP_CF is a compact, horsepower rated disconnect that offers 3X the protection in 1/3 the space of traditional circuit breaker solutions. Local, neon open fuse indication is standard (same as the CCPB in the Quik-Spec™ Coordination Panelboard). 2- and 3-pole versions are ganged and all versions offer a lockout/tagout provision for added safety. See Data Sheet 1157



1-, 2-, and 3-pole CCPB is an ampacity-rejecting branch disconnect for the Quik-Spec™ Coordination Panelboard that uses the CUBEFuse up to 100A. See Data Sheet 1160



All 100, 60 and 30A CUBEFuse holders can be dovetail together for the required number of poles with the smallest Class J fuse footprint possible. See CUBEFuse holder Data Sheet 9007