

1

Low voltage, branch circuit fuses

UPS and critical application fast-acting CUBEFuse™ finger-safe fuse

FCF 600V Class CF fuse



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

Dimensions: See dimensions illustration.

Poles: 1-pole (gangable)

Ratings:

- Volts — 600Vac/dc (or less)
- Amps — 1-100A
- IR — 300kA RMS Sym. (UL)
- 200kA RMS Sym. (CSA)
- 50kA DC (UL and 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

Other ratings/specifications:

Watts loss at rated current: FCF15RN: 3.48W
FCF30RN: 5.45W
FCF60RN: 7.27W

Operating and storage temperature range:
-40 to 80°C

Material specifications:

- Case: glass filled PES (Polyethersulfone)
- Terminals: copper alloy
- Terminal plating: electroless tin

Carton quantity and weight

Amp rating	Carton qty.	Weight per carton	
		lbs	kg
1-30A	12	1.39	0.63
35-60A	12	1.42	0.65
70-100A	6	1.74	0.79

Features and 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.

Fuse catalog numbers non-indicating (amps)

FCF1RN	FCF20RN	FCF45RN	FCF90RN
FCF3RN	FCF25RN	FCF50RN	FCF100RN
FCF6RN	FCF30RN	FCF60RN	—
FCF10RN	FCF35RN	FCF70RN	—
FCF15RN	FCF40RN	FCF80RN	—

Recommended fuse holders for Class CF fuses

- See page 1-16

Data Sheet: 2147