

COOPER

Bussmann



Superior Circuit Protection Made Simple

COOPER Bussmann

Finger-Safe Low-Peak CUBEFuse Delivers Superior Protection with up to a 70% Smaller Footprint

- 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
- Indicating option helps speed troubleshooting for reduced downtime
- Easy selective coordination with any Low-Peak fuse by using simple 2:1 ampacity ratio



For more information visit www.cooperbussmann.com/CUBEFuse

Catalog Symbols: TCF_RN Non-indicating fuse
TCF_ Indicating fuse
TCFH_ N Holder

Dual-Element, Time-Delay: 10 Seconds minimum operating time at 500% rated current

Current-Limiting: Meets Class CF and Class J performance

Ratings

Volts: 600Vac/300Vdc (or less)

Amps: 1 to 100A (Non-indicating)
6 to 100A (Indicating)

Interrupting Rating: 300kA RMS Sym.
200kA RMS Sym. (CSA)
100kA DC

Holders: 1 to 30A (TCFH30N)
1 to 60A (TCFH60N)
1 to 100A (TCFH100N)

Agency Information: UL Listed Fuse (per UL 248-17), File E4273 CSA Certified HRCI - Misc. Fuse (per CSA-22.2 No.106). RoHS Compliant

Other Electrical Certifications:

- IEC 60269-2-1 Low-voltage fuses for Class J electrical operating characteristics
- IEC 60529 Degrees of protection provided by enclosures (IP Code)
- CE Compliance for the European Union low voltage directive (50-100Vac, 75-1500Vdc)

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
- Meets Class CF and Class J time-delay electrical performance requirements
- The indicating version features easyID™ open fuse technology for faster troubleshooting and reduced downtime
- Faster response to damaging faults to help reduce destructive thermal and magnetic forces
- True dual-element fuse construction with a minimum of 10 seconds time-delay at 500% of rating minimizes nuisance circuit openings due to temporary overloads and transient surges
- 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
- Easy selective coordination with any other Cooper Bussmann Low-Peak Class CC, L, J and RK1 fuse with simple 2:1 amp ration between upstream and downstream fuses

CUBEFuse Holders, Disconnects and Panelboards

Catalog Numbers (amps)		Fits Fuse Holder			Fits CCP_CF		
Non-Indicating	Indicating	TCFH30N	TCFH60N	TCFH100N	CCP30CF	CCP60CF	CCP100CF
TCF1RN	-	X	X	X	X	X	X
TCF3RN	-	X	X	X	X	X	X
TCF6RN	TCF6	X	X	X	X	X	X
TCF10RN	TCF10	X	X	X	X	X	X
TCF15RN	TCF15	X	X	X	X	X	X
TCF17-1/2RN	TCF17-1/2	X	X	X	X	X	X
TCF20RN	TCF20	X	X	X	X	X	X
TCF25RN	TCF25	X	X	X	X	X	X
TCF30RN	TCF30	X	X	X	X	X	X
TCF35RN	TCF35		X	X		X	X
TCF40RN	TCF40		X	X		X	X
TCF45RN	TCF45		X	X		X	X
TCF50RN	TCF50		X	X		X	X
TCF60RN	TCF60		X	X		X	X
TCF70RN	TCF70			X			X
TCF80RN	TCF80			X			X
TCF90RN	TCF90			X			X
TCF100RN	TCF100			X			X

Dimensions - in (mm) DIN-Rail or Panel Mount



TCFH30N - accepts 1 to 30A CUBEFuse.



TCFH60N - accepts 1 to 60A CUBEFuse.



TCFH100N - accepts 1 to 100A CUBEFuse.

The CUBEFuse is used in the following Cooper Bussmann Products



TCFH_N 100, 60 or 30A holders. Data Sheet 9007



CCP_CF 1-, 2-, and 3-pole switched disconnects. See Data Sheet 1157



CCPB 1-, 2-, and 3-pole disconnects for the Quik-Spec™ Coordination Panelboard. See Data Sheet 1160