

The Most Safety and Convenience in the Smallest Footprint

Finger-Safe Low-Peak® CUBEFuse® Delivers Superior Protection and More

Finger-Safe

- The Cooper Bussmann® CUBEFuse is the world's first finger-safe power fuse.
- The CUBEFuse, including its fuse holder and wire ports, are also finger-safe and IEC 60529 compliant.

Smallest Footprint

- The CUBEFuse footprint is the smallest of any class fuse on the market.
- The compact dovetailing design allows mixing and matching 30A, 60A and 100A holders into small 1-, 2- or 3-pole assemblies that take considerably less space than any other Class J fuse solution.

Superior Circuit Protection

- The Class CF CUBEFuse has UL/CSA Class CF and Class J electrical performance with a current-limiting feature that minimizes incident energy to reduce arc-flash hazards to their lowest possible levels.
- High 300kA interrupting rating and 600Vac voltage rating (100kA/300Vdc) helps keep you protected – even if available fault current levels should increase.
- Dual-element, time-delay feature permits closer sizing to load for Type 2 (IEC 947-4-1) “No Damage” motor starter protection that prevents equipment damage.
- Selective coordination is easy to achieve with a 2:1 ampacity ratio between the CUBEFuse and any upstream Low-Peak® Class L, RK1 or J fuse.

Installation Versatility

- The CUBEFuse can be installed in any of the following Cooper Bussmann products:
 - DIN rail or panel mount CUBEFuse 30A, 60A and 100A holders (Data Sheet 9007)
 - Compact Circuit Protector (CCP) fused disconnect switch for CUBEFuse (Data Sheet 1157)
 - Quik-Spec™ Coordination Panelboard (Data Sheet 1160)
 - Quik-Spec™ Safety Switch (Data Sheet 1156)
- No need for fuse reducers, all CUBEFuse holders – whether a holder or fused disconnect switch, accept any CUBEFuse of equal or lower amp rating.

Available With Indication

- Standard CUBEFuse comes without indication.
- easyID™ indicating option helps speed troubleshooting for reduced downtime.



Low-Peak® CUBEFuse® Specifications

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

Amp Ratings: 1 to 100A Non-indicating fuse
6 to 100A Indicating fuse
1 to 30A, 1 to 60A and 1 to 100A Holders

Voltage Rating: 600Vac/300Vdc (or less)

Interrupting Rating: 300kA RMS Sym., 100kA DC

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

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)

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

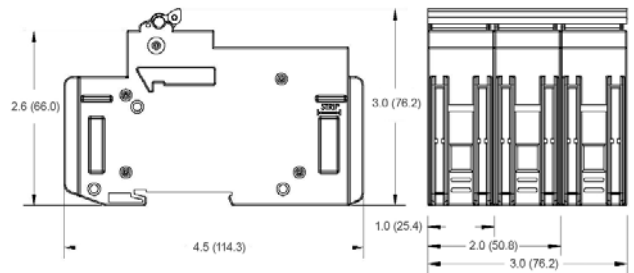
CUBEFuse Holders and Disconnects



All 100, 60 or 30 amp 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



1-, 2-, and 3-pole CCPB is an ampacity-rejecting branch disconnect for the Quik-Spec™ Coordination Panelboard that uses the CUBEFuse up to 60 amps. See Data Sheet 1160



The DIN rail mounted 1-, 2-, and 3-pole CCP_CF comes in 30 and 60 amp 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