



Superior circuit protection with up to a 70% smaller footprint



Bussmann series Low-Peak CUBEFuse is finger-safe and delivers the smallest footprint of any Class CC, J, T or RK fuse solution.



Product description:

Eaton's Bussmann® series indicating and non-indicating UL® Class CF finger-safe Low-Peak™ CUBEFuse™ features separate overload and short-circuit elements to provide time-delay for sizing of high inrush loads with the same electrical performance as Class J fuses.

Available in ratings from 1 to 100 amps, the CUBEFuse can be closely sized to load for superior protection.

Features and benefits:

- Finger-safe fuses minimize exposure to live parts, reducing hazard to personnel.
- Intergrates with Bussmann series Compact Circuit Protector (CCP) or Bussmann series CUBEFuse holder to minimize panel space.
- Minimizes incident energy and reduces arc flash hazards by utilizing current-limiting Class J electrical characteristics.
- Utilized in Bussmann series Quik-Spec™ Coordination Panelboard (QSCP) for easy installation in the smallest fusible panelboard footprint.
- Indicating option helps speed troubleshooting for reduced downtime.
- Easy selective coordination using published ampacity ratio tables with upstream Bussmann series fuses or Eaton circuit breakers.

Complementary products:



CCP_CF
1-, 2-, and 3-pole switched disconnects.



TCFH_N
30, 60, or 100A holders



CCPB
1-, 2-, and 3-pole disconnects for the Quik-Spec Coordination Panelboard



Powering Business Worldwide

Specifications

- The world's first finger-safe power fuse system
- Smallest footprint of any class fuse, including Class J, CC, T and RK
- UL Class CF meets Class J time-delay electrical performance requirements
- The indicating version allows for faster troubleshooting and reduced downtime
- Faster response to damaging faults helps 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 openings due to temporary overloads and transient surges
- High interrupting rating to safely interrupt fault currents up to 300kA
- No venting of arc or molten metal and gases during opening
- Low let-through currents under fault conditions

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:

- UL Class CF meets Class J performance

Ratings:

- Volts
 - 600Vac/300Vdc (or less)

Amps:

- 1 to 100A (non-indicating)
- 6 to 100A (indicating)

Interrupting ratings:

- 300kA RMS Sym. (UL)
- 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 agency information:

- 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)

CUBEFuse catalog numbers, holders and disconnects

Catalog numbers (amps)		Fits fuse holder			Fits CCP_CF switch		
Non-indicating	Indicating	TCH30N	TCF60N	TCFH100N	CCP_30CF	CCP_60CF	CCP_100CF
TC1RN	—	X	X	X	X	X	X
TC3RN	—	X	X	X	X	X	X
TC6RN	TCF6	X	X	X	X	X	X
TC10RN	TCF10	X	X	X	X	X	X
TC15RN	TCF15	X	X	X	X	X	X
TC17-1/2RN	TCF17-1/2	X	X	X	X	X	X
TC20RN	TCF20	X	X	X	X	X	X
TC25RN	TCF25	X	X	X	X	X	X
TC30RN	TCF30	X	X	X	X	X	X
TC35 RN	TCF35		X	X		X	X
TC40RN	TCF40		X	X		X	X
TC45RN	TCF45		X	X		X	X
TC50RN	TCF50		X	X		X	X
TC60RN	TCF60		X	X		X	X
TC70RN	TCF70			X			X
TC80RN	TCF80			X			X
TC90RN	TCF90			X			X
TC100RN	TCF100			X			X

See data sheet No. 9000 (fuses), No. 9007 (holders) and No. 1157 (CCP_CF) for additional information.

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

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

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Printed in USA
Publication No. 3083
September 2015

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