

UL Class CF branch circuit time-delay CUBEFuse



Catalog symbols

- TCF_ (indicating fuse, 6-400 A)
- TCF_RN (non-indicating fuse, 1-400 A)

Description

The Bussmann™ series Low-Peak™ CUBEFuse™ is a UL® Class CF current-limiting, dual-element, time-delay branch circuit fuse with Class J electrical performance. Available in indicating and non-indicating versions, this finger-safe fuse has a very compact, space-saving size and is easily applied using the CUBEFuse holder (TCFH_N), UL 98 Compact Circuit Protector switch (CCP2_CF) or Compact Circuit Protector Base (CCP2B up to 100 A) used in the Quik-Spec™ Coordination Panelboard).

Ratings

- Volts
 - 600 Vac
 - 300 Vdc
- Amps
 - 6-400 A (indicating)
 - 1-400 A (non-indicating)
- Interrupting rating
 - 300 kA RMS Sym. (Up to 100 A UL)
 - 200 kA RMS Sym. (110 to 400 A UL)
 - 200 kA RMS Sym. (Up to 100 A CSA)
 - 100 kA DC (Up to 400 A UL and up to 100 A CSA)

Electrical characteristics

- 10 seconds minimum operating time at 500% rated current

Agency information

- UL Listed Class CF fuse: Guide JDDZ, File E4273 (up to 400 A)
- CSA® Certified fuse: Class 1422-02, File 053787_C_000 (up to 100 A)
- CE
- RoHS compliant

Watts loss at rated current

Fuse amps	Watts
30	3.99
60	6.23
100	9.51
200	18.6
225	17.6
400	35.2

Operating and storage temperature range

- -40 to 80°C (-40°F to 176°F)

Catalog numbers (amps)

Indicating CUBEFuse

TCF6	TCF35	TCF90	TCF225
TCF10	TCF40	TCF100	TCF250
TCF15	TCF45	TCF110	TCF300
TCF17-1/2	TCF50	TCF125	TCF350
TCF20	TCF60	TCF150	TCF400
TCF25	TCF70	TCF175	
TCF30	TCF80	TCF200	

Non-Indicating CUBEFuse

TCF1RN	TCF25RN	TCF70RN	TCF175RN
TCF3RN	TCF30RN	TCF80RN	TCF200RN
TCF6RN	TCF35RN	TCF90RN	TCF225RN
TCF10RN	TCF40RN	TCF100RN	TCF250RN
TCF15RN	TCF45RN	TCF110RN	TCF300RN
TCF17-1/2RN	TCF50RN	TCF125RN	TCF350RN
TCF20RN	TCF60RN	TCF150RN	TCF400RN



Powering Business Worldwide

CUBEFuse (cat. no. TCFH_N) holders

The CUBEFuse is used in holders that can be dovetail together for the smallest footprint possible of any Class J fuse solution (see data sheet no. 9007 for details).



Finger-safe DIN-Rail or panel mount holders up to 100 A.

- 30 A holder accepts any CUBEFuse up to 30 A.
- 60 amp holder accepts any CUBEFuse up to 60 A.
- 100 amp holder accepts any CUBEFuse up to 100 A.



Panel mount holders from 200 to 400 A.

- 200 A holder accepts any CUBEFuse from 110 to 200 A
- 225 A* holder accepts any CUBEFuse from 110 to 225 A
- 400 A holder accepts any CUBEFuse from 110 to 400 A

Finger-safe installation achievable for three ganged holders and lug kits with shroud

* 200 A and 225 A holders share the same overall dimensions, but the 200 A holder will reject a 225 A fuse.

30, 60 and 100 A Compact Circuit Protector (cat. no. CCP2_CF) switches



These DIN-Rail mounted 1-, 2- and 3-pole switches are UL 98 horsepower rated disconnects available with front or side rotary operators. Each CCP2 will accept a fuse amp rating equal to or less than its rating (e.g., a 60 A CCP will accept any CUBEFuse up to 60 A). Accessories include multi-wire lug kits with shrouds, auxiliary contacts and PLC fuse monitor (see data sheet no. 10801 for details).

200 and 400 A Compact Circuit Protector (cat. no. CCP2-CF) switches



These panel mounted 1-, 2- and 3-pole switches are UL 98 horsepower rated disconnects. Each CCP2 will accept a fuse amp rating equal to or less than its rating (e.g., a 200 A CCP will accept any CUBEFuse from 110 to 200 A). Complete installation requires installing various lugs to meet the application requirement. Accessories include side or front rotary operators and auxiliary contacts (see data sheet no. 10801 for details).

Compact Circuit Protector Base (cat. no. CCP2B)



These 1-, 2- and 3-pole switches are UL 98 horsepower rated branch circuit disconnects. Primarily used in the Quik-Spec Coordination Panelboard, they're available in ratings up to 100 A. The CCP2B has amp rejection breaks that prevent installing any CUBEFuse amp rating greater than that of the switch. These coincide with standard conductor ampacities to help prevent overfusing and are available at 15, 20, 30, 40, 50, 60, 70, 90 and 100 amps for all 1-, 2- and 3-pole switches.

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