BUSSMANN
SERIES



The power of space

Time-delay Low-Peak™ CUBEFuse™ requires up to 70% less space

EATON
Powering Business Worldwide

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Time-delay Low-Peak CUBEFuse



The Bussmann series Low-Peak CUBEFuse is available in indicating and non-indicating versions, now from 1 to 400 amps.



Space savings of 41%
3-pole Class CC fuse with holder solution compared to three ganged, 30 amp CUBEFuse holders with Class CF CUBEFuse.

The revolutionary Bussmann™ series Low-Peak™ CUBEFuse™ delivers the smallest footprint compared to any Class CC, J or RK fuse solution — requiring up to **70% less space** when combined with its unique fuse holder.

Further, the CUBEFuse delivers the smallest footprint compared to any Class J solution — requiring up to **69% less space** when combined with its unique UL® 98 Listed Compact Circuit Protector switch.

Freeing up space is powerful. And the CUBEFuse does just that, while packing up to a 300 kA interrupting rating and enabling higher panel SCCR.

The time-delay UL Class CF finger-safe CUBEFuse is available in indicating and non-indicating versions, and features separate overload and short-circuit elements to provide time-delay to withstand harmless inrush currents to minimize nuisance openings.

Available in ratings from 1 to 400 amps, the CUBEFuse can be closely sized to load for superior protection. It also features industry-first plug-in capability for easier installation.

Features

- Integrates with the Bussmann series Compact Circuit Protector (cat. no. CCP2) or Bussmann series CUBEFuse holder (cat. no. TCFH_N) to minimize panel space
- 1 to 100 amp fuses are utilized in Bussmann series Quik-Spec™ Coordination Panelboard (QSCP) for easy installation in the smallest fusible panelboard footprint
- Finger-safe fuse design minimizes exposure to live parts, reducing hazard to personnel
- Current-limiting Class J electrical characteristics minimize incident energy and reduces arc flash hazards
- Optional open fuse indication helps speed troubleshooting for reduced downtime
- Easy selective coordination using published amp rating ratio tables with upstream Bussmann series fuses or Eaton circuit breakers (up to 100 A)



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Time-delay Low-Peak CUBEFuse

Specifications

- World's first finger-safe fuse system
- Smallest installed footprint of any Class CC, J or RK solution, when combined with its fuse holder and any Class J fuse solution when combined with its disconnect
- UL Class CF with Class J time-delay electrical performance
- Holders and switches are amp rating rejecting to help prevent overfusing - 30, 60 and 100 A switches and holders will hold any CUBEFuse up to its rating, 200 A switch and 200, 225 and 400 A holders will hold any CUBEFuse 110 A and above up to its rating
- Indicating versions allow for faster troubleshooting and reduced downtime
- Faster response to damaging faults helps reduce destructive thermal and magnetic forces
- Up to 300 kA interrupting rating safely interrupts virtually any fault
- Low let-through currents under fault conditions

Catalog symbols:

- TCF_ (indicating)
- TCF_RN (non-indicating)
- TCFH_ N (holder)

Dual-element, time-delay:

- 10 seconds minimum operating time at 500% rated current

Current-limiting:

- Class CF with Class J performance

Ratings:

- Volts
  - 600 Vac
  - 300 Vdc
- Amps
  - 6 to 400 A (indicating)
  - 1 to 400 A (non-indicating)
- Interrupting ratings
  - 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)

Holders:

- 1 to 30 A (TCFH30N)
- 1 to 60 A (TCFH60N)
- 1 to 100 A (TCFH100N)
- 110 to 200 A (TCFH200N)
- 110 to 225 A (TCFH225N)
- 110 to 400 A (TCFH400N)

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 (100 A and below)
- RoHS compliant

For additional information, see data sheets no. 9000 (fuses), no. 9007 (holders), no. 10801 (CCP switch) and no. 1161 (CCP base).

CUBEFuse fuse holder system

The CUBEFuse holder is a finger-safe* modular system of single-pole holders that can be dovetailed together. Five holder sizes help prevent overfusing by rejecting higher fuse amp ratings.



Amps:

- 30, 60, 100, 200, 225, 400 A

Mounting:

- 35 mm DIN-Rail (30, 60, 100 A)
- Panel mount (30, 60, 100, 200, 225, 400 A)

Features:

- Finger-safe construction for enhanced safety
- Up to 300 kA SCCR withstands high fault currents



*Finger-safe depends on final, installed application, and will require using accessory shrouds for 110 to 400 A ratings. See data sheet no. 9007 for complete details.

CUBEFuse fuse and holder catalog numbers

Catalog no. (amps)		Fits fuse holder					
Indicating	Non-indicating	TCFH30N	TCFH60N	TCFH100N	TCFH200N	TCFH225N	TCFH400N
–	TCF1RN	X	X	X			
–	TCF3RN	X	X	X			
TCF6	TCF6RN	X	X	X			
TCF10	TCF10RN	X	X	X			
TCF15	TCF15RN	X	X	X			
TCF17-1/2	TCF17-1/2RN	X	X	X			
TCF20	TCF20RN	X	X	X			
TCF25	TCF25RN	X	X	X			
TCF30	TCF30RN	X	X	X			
TCF35	TCF35RN		X	X			
TCF40	TCF40RN		X	X			
TCF45	TCF45RN		X	X			
TCF50	TCF50RN		X	X			
TCF60	TCF60RN		X	X			
TCF70	TCF70RN			X			
TCF80	TCF80RN			X			
TCF90	TCF90RN			X			
TCF100	TCF100RN			X			
TCF110	TCF110RN				X	X	X
TCF125	TCF125RN				X	X	X
TCF150	TCF150RN				X	X	X
TCF175	TCF175RN				X	X	X
TCF200	TCF200RN				X	X	X
TCF225	TCF225RN					X	X
TCF250	TCF250RN						X
TCF300	TCF300RN						X
TCF350	TCF350RN						X
TCF400	TCF400RN						X

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