

The power of space

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 or 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 equipment short-circuit current rating (SCCR).

The CUBEFuse spans 1 to 400 amps.



TEST POINT
EATON
BUSSMANN
SERIES
Low-Peak™
CUBEFuse™
600VAC OR LESS
TCF30RN
REPLACE

TEST POINT
EATON
BUSSMANN
SERIES
Low-Peak™
CUBEFuse™
600VAC OR LESS
TCF80RN
REPLACE

TEST POINT
EATON
BUSSMANN
SERIES
Low-Peak™
CUBEFuse™
600VAC
OR LESS
TCF100RN
REPLACE

TEST POINT
EATON
BUSSMANN
SERIES
Low-Peak™
CUBEFuse™
600VAC
OR LESS
TCF200
REPLACE

TEST POINT
EATON
BUSSMANN
SERIES
Low-Peak™
CUBEFuse™
600VAC
OR LESS
TCF400
REPLACE

In addition to having the smallest footprint of any Class CC, J or RK fuse solution, the Bussmann series Low-Peak CUBEFuse is the only product included in the UL Class CF. It's a current-limiting, dual-element, time-delay branch circuit fuse with Class J electrical performance. And it features industry-first plug-in capability for easier installation.

The finger-safe CUBEFuse is available in both indicating and non-indicating versions, with the indicating version featuring *easyID™* open fuse technology for faster troubleshooting and reduced downtime.

The CUBEFuse is easily applied with CUBEFuse holders, Compact Circuit Protector switches or the Compact Circuit Protector Base.



CUBEFuse catalog numbers (amps)

Indicating	Non-indicating	Indicating	Non-indicating
-	TCF1RN	TCF110	TCF110RN
-	TCF3RN	TCF125	TCF125RN
TCF6	TCF6RN	TCF150	TCF150RN
TCF10	TCF10RN	TCF175	TCF175RN
TCF15	TCF15RN	TCF200	TCF200RN
TCF17-1/2	TCF17-1/2RN	TCF225	TCF225RN
TCF20	TCF20RN	TCF250	TCF250RN
TCF25	TCF25RN	TCF300	TCF300RN
TCF30	TCF30RN	TCF350	TCF350RN
TCF35	TCF35RN	TCF400	TCF400RN
TCF40	TCF40RN		
TCF45	TCF45RN		
TCF50	TCF50RN		
TCF60	TCF60RN		
TCF70	TCF70RN		
TCF80	TCF80RN		
TCF90	TCF90RN		
TCF100	TCF100RN		

Volts:

- 600 Vac
- 300 Vdc

Amps:

- 6 to 400 A (indicating)
- 1 to 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 400 A CSA®)
- 100 kA DC (up to 400 A UL and CSA)

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
- CE
- RoHS Compliant



1 to 30 amps



35 to 60 amps



70 to 100 amps



110 to 225 amps



250 to 400 amps



We like using CUBEFuse products for their compact size, amperage range, finger-safe features, and ease of change-out.

The color scheme also stands out well so the bank of fuses is easy to locate in the cabinet.
-Ingersoll Production Systems

CUBEFuse holder

The Bussmann series CUBEFuse holder delivers the smallest footprint compared to any Class CC, J or RK fuse and holder solution — requiring up to 70% less space.

While minimizing footprint, the CUBEFuse holder still provides up to 300 kA SCCR.

The CUBEFuse holder is available in 30, 60, 100, 200, 225 and 400 amp versions.



The Bussmann series CUBEFuse holder is a finger-safe* modular system of single-pole 30, 60, 100, 200, 225 and 400 amp holders. All holders can be dovetailed together to create the desired number of poles for the application, with 30, 60 and 100 A holders able to have mixed amp ratings.

Five sizes of holders (200 and 225 A versions have the same footprint) help prevent overfusing by rejecting higher fuse amp ratings. 30, 60 and 100 A holders can be DIN-Rail mounted, and all holders can be panel mounted.



CUBEFuse catalog numbers

Fuse holder	Amps	Accepts fuse amp range
600 V UL Listed		
TCFH30N	30	1-30
TCFH60N	60	1-60
TCFH100N	100	1-100
TCFH200N	200	110-200
TCFH225N	225	110-225
TCFH400N	400	110-400

*Finger-safe depends on final, installed application, and will require using accessory shrouds for 110 to 400 A ratings.

Volts:

- 600 Vac
- 300 Vdc

Amps:

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

Short-circuit current rating (SCCR):

- 300 kA RMS Sym. (30, 60, 100 A UL Listed)
- 200 kA RMS Sym. (200, 225, 400 A UL Listed)
- 200 kA RMS Sym. (CSA Certified)
- 100 kA DC (UL Listed and CSA Certified)

Agency information:

- 600 V UL Listed, Guide IZLT, File E14853
- CSA Certified, Class 6225-01, File 47235, cURus component Certified (30, 60 and 100 A holders)
- CE
- RoHS Compliant



Fits 1 to 30 amp fuses



Fits 1 to 60 amp fuses



Fits 1 to 100 amp fuses



Fits 110 to 225 amp fuses



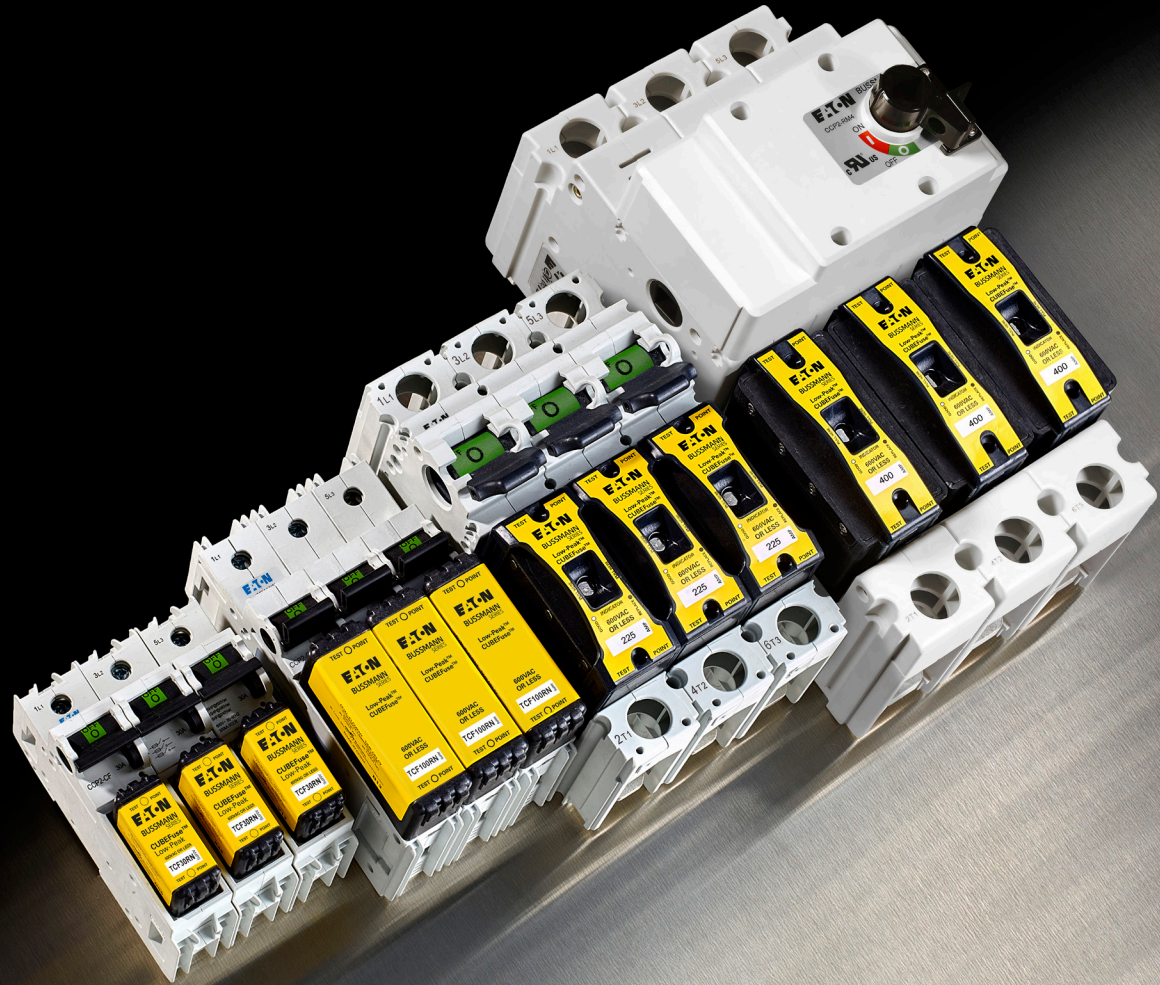
Fits 110 to 400 amp fuses

Compact Circuit Protector

The Bussmann series Compact Circuit Protector (CCP2) for Class CF Low-Peak CUBEFuse delivers the smallest footprint compared to any Class J disconnect solution — requiring up to 69% less space.

The CCP2 helps you go big by going small, while providing up to a 200 kA SCCR.

The CCP2 is available in 30, 60, 100, 200 and 400 amp versions.



The Bussmann series CCP2 is a fused UL 98 Listed branch circuit disconnect switch utilizing Bussmann series Class CF CUBEFuse with Class J performance.

The CCP2 is available in 30, 60, 100, 200 and 400 A versions (30 and 60 A versions have the same footprint) and is panel mountable and DIN-Rail mountable (up to 100 A). The CCP2 is available as a switch-only, or with front or side rotary mechanisms.

All CCP2s are available with a variety of accessories, including lug kits with terminal shrouds, pistol handles, NFPA 79 compliant handles and auxiliary contacts.



Compact Circuit Protector catalog numbers

Catalog number	Amps	Description
CCP2-(pole)-30CF	30	
CCP2-(pole)-60CF	60	Switch only
CCP2-(pole)-100CF	100	
CCP2-(pole)-200CF	200	
CCP2-(pole)-400CF	400	Switch only*
CCP2R-(pole)-30CF	30	
CCP2R-(pole)-60CF	60	Right front rotary, clockwise operated switch
CCP2R-(pole)-100CF	100	
CCP2RL-(pole)-30CF	30	
CCP2RL-(pole)-60CF	60	Left front rotary, clockwise operated switch
CCP2RL-(pole)-100CF	100	
CCP2S-(pole)-30CF	30	
CCP2S-(pole)-60CF	60	Right side rotary, clockwise operated switch
CCP2S-(pole)-100CF	100	
CCP2SL-(pole)-30CF	30	
CCP2SL-(pole)-60CF	60	Left side rotary, counterclockwise operated switch
CCP2SL-(pole)-100CF	100	

*Rotary operators for 200 and 400 A CCP2 are available as accessories, for front or side (left or right) operation. Front rotary operators are available with 3-pole switches only, while the side operator may be applied to 1-, 2- or 3-pole units.

Volts:

- 600 Vac
- 125 Vdc (up to 100 A)

Amps:

- 30, 60, 100, 200, 400 A

Short-circuit current rating (SCCR):

- 200 kA RMS Sym.
- 100 kA DC (up to 100 A)

Agency information:

- UL 98 Listed, Guide WHTY, File E302370
- cULus to Canadian Standard 22.2 No. 4-04, Guide WHTY7, File E302370
- CE
- RoHS Compliant
- IEC 60947-3 AC-21A (up to 30A)



30 and 60 amp CCP2
Shown with right through-the-side rotary



100 amp CCP2
Shown with right through-the-front rotary



200 amp CCP2
Shown with right through-the-side rotary



400 amp CCP2
Shown with through-the-front rotary



We're constantly looking for innovations that promote customer safety and quality. The CUBEFuse and Compact Circuit Protector disconnects have helped us stay in the lead in both these areas without increasing our panel footprint.

Additionally, the Bussmann series CUBEFuse has been integral as we continue our innovation leadership with the highest short-circuit current rated control panel in the industry.

-David P. Carrier - CEO, QuantumFlo®

Quik-Spec Coordination Panelboard

The Bussmann series Quik-Spec™ Coordination Panelboard (QSCP) is a compact fusible distribution panel that requires 40% less space than traditional fusible solutions. With up to 200 kA SCCR, the QSCP offers the

best selective coordination solution in the smallest footprint.

The QSCP is available with up to 600 amp mains and up to 200 amp branch disconnects.



Eaton 93PM3000 Sub Bus™ Distribution Panel
OPERATIONAL INSTRUCTIONS

Item	Description	Location
1	Terminal Block	Top of Panel
2	Circuit Breaker	Middle of Panel
3	Terminal Block	Bottom of Panel

Eaton 93PM3000 Sub Bus™ Distribution Panel
Wiring Diagram

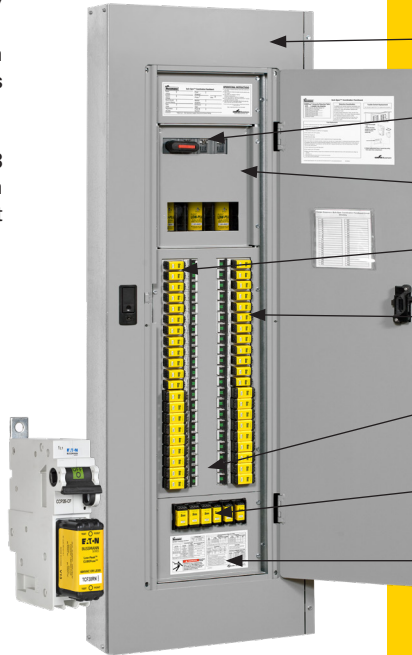
The diagram illustrates the internal wiring of the panel, showing the connection between the terminal blocks and the circuit breakers. It includes labels for various components and their respective locations within the panel.

Eaton 93PM3000 Sub Bus™ Distribution Panel
Terminal Block

Terminal	Wire Color	Wire Size
1	Red	14 AWG
2	Blue	14 AWG
3	Green	14 AWG
4	Black	14 AWG
5	Red	14 AWG
6	Blue	14 AWG
7	Green	14 AWG
8	Black	14 AWG

The Bussmann series QSCP provides up to 200 kA SCCR while requiring 40% less space than traditional fusible panelboards. Highly configurable, the QSCP is available in NEMA 1 and 3R enclosures, and can be used as a branch circuit or UL service entrance panel in systems up to 600 Vac.

The QSCP uses the Bussmann series UL 98 Compact Circuit Protector Disconnect Switch (CCP) with CUBEFuse for its branch circuit disconnects up to 200 amps.



QSCP at a glance

(Shown with 42 branch positions)

← NEMA 1, 3R, 4X, and 12 enclosures

← Main options: up to 600 A, fused main disconnect, non-fused main disconnect or Main Lug Only (MLO)

← For single-, split-phase, Delta and Wye systems

← 18, 30, 42, 60, 72, and 84 branch circuit positions

← Finger-safe Compact Circuit Protector disconnect switches with branch circuits up to 200 A

← Removable knockouts cover unused branch positions

← Six-space spare fuse holder and spare CUBEFuse fuses included

← Optional surge protection with up to 200 kA SCCR

Fuse class:

Main switch

- 30, 60, 100, 200, 400 A
Bussmann series Class
CF CUBEFuse (Class J
performance)
- 600 A Class J

Branch disconnect

- Class CF CUBEFuse (Class J
performance)

Volts:

600 Vac
125Vdc up to 80A

Amps:

30 to 600 A mains

Short-circuit current rating (SCCR):

- Standard 20 kA and 50 kA, high 100 kA
and 200 kA options

Dimensions:

Standard enclosure width is 20" (24" for 600 A).
See data sheet for complete dimensions, which are
dependent on NEMA enclosure and options selected.

Agency information:

- UL Listed to UL 67
- Complies with NFPA 70
- RoHS compliant



Shown with 30 branch
positions



Shown with 18 branch
positions





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