Industry's smallest fused disconnect offers superior circuit protection

Delivers up to 200kA SCCR in a compact, finger-safe design.

RoHS

Product description:

Eaton's revolutionary Bussmann® series Compact Circuit Protector (CCP) is designed as a fused branch circuit rated disconnect with a footprint 2/3 the space required by a traditional fusible switch.

Available in both Class CC and Bussmann series CF CUBEFuse™ versions, the CCP features high 200kA Short-Circuit Current Rating (SCCR) at 600V that can help increase equipment SCCR. These high ratings and compact design make the CCP ideal for industrial control panels, machinery and HVAC applications.

Features and benefits:

• With just 2/3 the space required by a traditional fusible switch, the CCP saves panel space.

• 200kA SCCR with Bussmann series Low-Peak™ CUBEFuse and Class CC fuses helps provide high equipment SCCR.

• UL® 98 Listed, horsepower rated fused disconnect.*

• Built-in switch/fuse interlock helps prevent fuse removal while energized.

• Standard open fuse indication speeds troubleshooting.

• No tools required for mounting onto DIN-Rail.

• Available in 1-, 2- and 3-pole versions.

3-pole CUBEFuse version

The Bussmann series CUBEFuse has a small footprint and a high level of protection with ratings up to 100A, 600Vac and a 200kA SCCR.

* Class CC and CF versions with time-delay fuses.

E·T·N

Powering Business Worldwide

Features for CCP CC, midget and 10x38mm versions

Agency information:
- UL Class CC fuse version
  - UL 98 Listed, File E302370, Guide WHTY
  - cULus to CSA® Standard 22.2 No. 4-04, File 302370, Guide WHTY7
  - RoHS compliant
  - CE compliant
- UL midget fuse version
  - UL 508 Listed
  - cULus Certified 22.2 No. 14-05
  - CE Compliant
  - RoHS compliant
- 10x38 IEC® Class aM and gG/gI fuse version
  - IEC 60947-3 AC23A
  - IEC 60947-3 DC23A
  - CE Compliant
  - RoHS compliant

Wire range:
- 18-6AWG single or dual rated (same size wire), solid or stranded 4AWG single, 75°C Cu only

Torque rating:
- 18-10AWG 20lb-In
- 8-4AWG 35lb-In

Poles:
- 1-, 2- and 3-pole: AC version
- 1-pole: DC version

Construction
- Finger-safe, IP20 compliant with 10AWG or larger wire

Operating temperature:
- -20°C to 75°C*

Flammability rating:
- UL 94V0

Padlockable:
- Yes

Local indication:
- Yes

Mounting:
- DIN-Rail

* For fuse performance under or above 25°C, consult fuse performance charts in Eaton's Bussmann series Selecting Protective Devices (SPD) handbook (Number 3002).

1-, 2-, and 3-pole Class CC and midget CCP

1-pole Class 80Vdc CCP

Ratings

Amp rating	Fuse Class	Number of poles	Volts	SCCR	Max horsepower rating				Wire size/ (torque†††)	Wire type	Part number	Agency information
					120 Vac	240 Vac	480 Vac	600 Vac				
30	CC	1	600Vac	200kA	0.5	—	—	—			CCP-1-30CC	UL 98 Listed, cULus 22.2, No. 4-04
30	CC	2	600Vac	200kA	—	2	—	—			CCP-2-30CC	UL 98 Listed, cULus 22.2, No. 4-04
30	CC	3	600Vac	200kA	—	3	5	7.5			CCP-3-30CC	UL 98 Listed, cULus 22.2, No. 4-04
30	UL midget	1	240Vac†	10kA†	—	—	—	—	Single/dual 8-6AWG sol/str	75°C Cu or higher	CCP-1-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac†	120kA†								IEC 60947-3, AC-23A
30	UL midget	2	240Vac†	10kA†	—	—	—	—	Single 4AWG sol/str		CCP-2-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac†	120kA†								IEC 60947-3, AC-23A
30	UL midget	3	240Vac†	10kA†	—	—	—	—	Fork terminal††		CCP-3-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac†	120kA†								IEC 60947-3, AC-23A
30	CC	1	80Vdc†	20kA†	—	—	—	—			CCP-1-DCC	UL 98 Listed, CSA 22.2, No. 4-04
30	CC	1	80Vdc†	10kA†	—	—	—	—			CCP-1-DCM	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC											IEC 60947-3, DC-23A

* 32A Class aM, 25A Class gG.

† SCCR may be lower, refer to installed fuse data sheets.

†† Fork terminal with a 4.3mm gap for a #8-32 stud, 30A max, insulated flange, wire size 12-10AWG.

††† - 18-10AWG; 20 lb-In
      - 8-4AWG; 35 lb-In

Recomended fuse types

AC voltage		DC voltage	
Class CC	Midget	Class CC	Midget
LP-CC	KTK	LP-CC	KLM
KTK-R	FNM		
	FNQ		
	BAF		

10X38 IEC	
Part number family	IEC Class
C10G	gG/gL
C11M	aM

Features for CCP_CF CUBEFuse version

Agency information:
- UL 98 Listed, File E302370, Guide WHTY
- cULus to CSA Standard 22.2 No. 4-04, File 302370, Guide WHTY7
- RoHS compliant
- CE compliant

Ampacity rejection:
- CCP_CF disconnects will not accept CUBEFuse amp ratings greater than the switch rating.

Construction:
- Finger-safe, IP20 compliant with 10AWG or larger wire.

Amp ratings:
- 30A
- 60A
- 100A

Wire range (75°C Cu or higher):
- 30-60A
  - 18-6AWG, single/dual, solid/stranded
  - 4AWG, single/solid/stranded
- 100A
  - 8-10AWG, single, solid/stranded
  - 8-1AWG, single, stranded
  - 6AWG, dual, stranded

Torque:
- 30-60A
  - 18-10AWG, 20 lb-in
  - 8-6AWG, 35 lb-in
  - 4AWG, 35 lb-in
- 100A
  - 8-10AWG, 25 lb-in
  - 8-1AWG, 35 lb-in
  - 6AWG, 45 lb-in

Poles:
- 1-, 2- and 3-pole

Operating temperature:
- -20°C to 75°C*

Flammability rating:
- UL 94V0
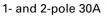
Padlockable:
- Yes

Local indication:
- Yes

Mounting:
- DIN-Rail

* For fuse performance under or above 25°C, consult fuse performance charts in Eaton's Bussmann series Selecting Protective Devices (SDP) handbook (Number 3002).

1- and 2-pole 30A

3-pole 60A

Ratings

Amp rating	UL fuse Class	Number of poles	Volts	SCCR	Max horsepower rating*				Wire size (See note for torque†)	Wire type	Part number	Agency information
					120 Vac	240 Vac	480 Vac	600 Vac				
30	CF	1	600Vac	200kA	1.5	—	—	—	Single/dual 18-6AWG sol/str	75°C Cu or higher	CCP-1-30CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA								
30	CF	2	600Vac	200kA	—	3	—	—			CCP-2-30CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA								
30	CF	3	600Vac	200kA	—	5	15	10	Single 4AWG sol/str		CCP-3-30CF	UL 98 Listed, cULus 22.2, No. 4-04
60	CF	1	600Vac	200kA	3	—	—	—			CCP-1-60CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA								
60	CF	2	600Vac	200kA	—	7.5	—	—	Fork terminal**		CCP-2-60CF	UL 98 Listed, cULus 22.2, No. 4-04
			125Vdc	100kA								
60	CF	3	600Vac	200kA	—	7.5	20	10			CCP-3-60CF	UL 98 Listed, cULus 22.2, No. 4-04
100	CF	1	125Vac	100kA	5	—	—	—	Single 8-10AWG sol/str 8-1AWG str		CCP-1-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			600Vac	200kA								
100	CF	2	125Vac	100kA	—	10	—	—			CCP-2-100CF	UL 98 Listed, cULus 22.2, No. 4-04
			600Vac	200kA								
100	CF	3	600Vac	200kA	—	20	50	50	Dual 6AWG str Fork terminal**		CCP-3-100CF	UL 98 Listed, cULus 22.2, No. 4-04

* With time-delay Low-Peak CUBEFuse.

** Fork terminal with a 4.3mm gap for a #8-32 stud, 30A max, insulated flange, wire size 12-10AWG.

† 30-60A: - 18-10AWG 20 lb-In
　　　　 - 8-6AWG 35 lb-In
　　　　 - 4AWG 35 lb-In

70-100A: - 8-10AWG single 25 lb-In
　　　　 - 8-1AWG single 35 lb-In
　　　　 - 6AWG dual 45 lb-In

Accesories

Auxiliary contact

NO+NC contact output to indicate the status of the switching mechanism on the Bussmann series CCP.

Agency information:
- UL 98 File E155130, guide WHTY2
- cULus to CSA Standard 22.2 Number 4-04 IEC 60947-5-1

Specifications:
- Rated ampacity
  - 5A
- Rated voltage
  - 240Vac
- NC/NO contacts are closed/open when the CCP switch is in the "ON" position (closed)
- Flammability rating
  - UL 94V0

Remote fuse monitoring

A resetable three-phase fuse monitor that integrates with the I/O card in a Programmable Logic Controller (PLC).

Agency information:
- UL 98 File E155130, guide WHTY2
- cULus to CSA Standard 22.2 Number 4-04

Specifications:
- Power input
  - 24Vdc / 10mA max
- Output signals
  - Digital 0Vdc (low), 24Vdc (high)
  - 0Vdc low - fuse is good
  - 24Vdc high - fuse has opened

When the fuse opens, the output signal is sent high and will remain high until the unit is reset.

- Rated impulse voltage
  - 8kA
- Local indication
  - Two distinct LEDs indicate unit power (green) and open fuse (red). Upon the replacement of the fuse, the actuation of the reset switch will reset the open fuse LED.
- Flammability rating
  - UL 94V0

CCP-AUX

CCP-PLC-IND
(Includes fork terminals)

CCP-AUX accessories

Description	Max per CCP	Signal output	Agency information	Catalog number
Auxiliary contacts NO+NC for switch status up to 60A	1 per CCP (1-, 2- or 3-pole)	5A/240VAC	UL 98 Recognized, cURus 22.2 No. 4-04, IEC 60947-5-1 AC-15	CCP-AUX
Auxiliary contacts NO+NC for switch status 70 to 100A	1 per CCP (1-, 2- or 3-pole)	5A/240Vac	UL 98 Recognized, CSA C22.2 No. 4-04	CCP-AUX-100

De-energize all circuits before installing or removing any CCP-AUX devices and follow all prescribed safety procedures.

See data sheet No. 1157 for more information.

PLC fuse monitor

Description	Max per CCP	Signal output to PLC	Min. circuit volts	Agency information	Catalog number
Wired remote fuse indication for PLC applications up to 60A	1 per CCP (1, 2- or 3-Pole)	24Vdc/ 10mA	100Vac	UL 98 Recognized, cURus 22.2 No. 4-04	CCP-PLC-IND
Wired remote fuse indication for PLC applications 70 to 100A				UL 98 Recognized, CSA C22.2 No. 4-04	CCP-PLC-100

De-energize all circuits before installing or removing any CCP-PLC-IND devices and follow all prescribed safety procedures.

For Eaton's Bussmann series product information, call **1-855-287-7626** or visit: **Eaton.com/bussmannseries**

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