

## Compact Circuit Protector



# 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.



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## 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/gL 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 <sup>†††</sup> )	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 <sup>†</sup>	10kA <sup>†</sup>	—	—	—	—	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 <sup>†</sup>	120kA <sup>†</sup>	—	—	—	—				IEC 60947-3, AC-23A
30	UL midget	2	240Vac <sup>†</sup>	10kA <sup>†</sup>	—	—	—	—	Single 4AWG sol/str	75°C Cu or higher	CCP-2-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac <sup>†</sup>	120kA <sup>†</sup>	—	—	—	—				IEC 60947-3, AC-23A
30	UL midget	3	240Vac <sup>†</sup>	10kA <sup>†</sup>	—	—	—	—	Fork terminal <sup>††</sup>	75°C Cu or higher	CCP-3-30M	UL 508 Listed, cULus 22.2, No. 14-05
32*	10x38 IEC		400Vac <sup>†</sup>	120kA <sup>†</sup>	—	—	—	—				IEC 60947-3, AC-23A
30	CC	1	80Vdc <sup>†</sup>	20kA <sup>†</sup>	—	—	—	—		CCP-1-DCC	UL 98 Listed, CSA 22.2, No. 4-04	
30	CC	1	80Vdc <sup>†</sup>	10kA <sup>†</sup>	—	—	—	—			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

## Recommended 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 125Vdc	200kA 100kA	1.5	—	—	—	Single/dual 18-6AWG sol/str	CCP-1-30CF	UL 98 Listed, cULus 22.2, No. 4-04	
30	CF	2	600Vac 125Vdc	200kA 100kA	—	3	—	—		CCP-2-30CF	UL 98 Listed, cULus 22.2, No. 4-04	
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 125Vdc	200kA 100kA	3	—	—	—		Fork terminal** 75°C Cu or higher	CCP-1-60CF	UL 98 Listed, cULus 22.2, No. 4-04
60	CF	2	600Vac 125Vdc	200kA 100kA	—	7.5	—	—	CCP-2-60CF		UL 98 Listed, cULus 22.2, No. 4-04	
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 600Vac	100kA 200kA	5	—	—	—	Single 8-10AWG sol/str 8-1AWG str	CCP-1-100CF	UL 98 Listed, cULus 22.2, No. 4-04	
100	CF	2	125Vac 600Vac	100kA 200kA	—	10	—	—		CCP-2-100CF	UL 98 Listed, cULus 22.2, No. 4-04	
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

## Accessories

### 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



CCP-AUX

### Remote fuse monitoring

A resettable 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-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	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	(1, 2- or 3-Pole)			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.

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 Printed in USA  
 Publication No. 3191  
 October 2015

  
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