Low Profile Compact Circuit Protector (CCPLP)

UL Class G, CC, midget and IEC 10x38mm aM/gG fused disconnect switches



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Powering Business Worldwide

Catalog symbol:

- CCPLP-(poles)-(amps)-(terminal)

Description:

The revolutionary Bussmann® series Low Profile Compact Circuit Protector (CCPLP) fused disconnect switch is available in 1-, 2- and 3-pole versions for UL® Class CC (1/10-30A), Class G (20A), 13/32"x1-1/2" midget UL (1/10-30A) and IEC 10x38 aM/gG (0.16-32A) fuses.

The CCPLP has the smallest footprint of any UL 98 Listed fused disconnect switch along with up to a 200kA SCCR to help improve equipment SCCR.

Class CC and G versions are easily selectively coordinated with the upstream Bussmann series CUBEFuse™ using published fuse ampacity ratio tables.

Unique panel mounting permits easy integration into many panel designs and provides a high SCCR alternative to low profile circuit breakers on the market.

Specifications:

Ratings

- Frequency
  - 50/60Hz
- Impulse voltage
  - 8kV
- Volts
  - 600Vac (Class CC up to 30A, Class G 20A)
  - 550Vac (10x38 IEC Class aM 0.16-16A)
  - 500Vac (10x38 IEC Class gG 0.5-25A)
  - 400Vac (10x38 IEC Class aM 20-32A, gG 32A)
  - 240Vac (13/32" x 1-1/2" midget UL 30A)
- Amps
  - Up to 30A (UL)
  - Up to 32A (IEC)
- SCCR
  - 200kA (Class CC)
  - 120kA (10x38 IEC Class gG and aM)
  - 100kA (Class G)
  - 10kA (13/32"x1-1/2" midget UL)

Poles

- 1-, 2- and 3-pole factory configured
- 2- and 3-pole versions feature ganged switches and phase barriers.

Agency information

- Finger-safe IP20 from panel front
- CE compliant
- RoHS compliant
- For Class G fuse versions
  - UL 98 Listed, File E302370, Guide WHTY
  - IEC® 60947-3 AC-23A
- For Class CC fuse versions
  - UL 98 Listed, File E302370, Guide WHTY
  - cULus to CSA Standard 22.2 No. 4-04, File E302370, Guide WHTY7
  - IEC 60947-3 AC-23A
- For UL midget and 10x38 IEC fuse versions
  - UL 508 Listed, File E320230, Guide NRNT
  - cULus Listed to CSA 22.2 No. 14-05, File E320230, Guide NRNT7
  - IEC 60947-3 AC-23A

Terminals and conductors 75°C Cu

- Screw terminal - #10-32 phil-slot screw with external tooth lock washer — use with properly rated/UL Listed ring or fork terminal
- Pressure plate terminal - #10-32 phil-slot screw — single 22-6AWG solid or stranded

Terminal screw torque

- 20 Lb-In (2.2 N•m)

Mounting

- Front panel mounting with customer supplied M3 screws
- Mounting screw torque 4-5 Lb-In (0.4-0.5 N•m)

Open fuse indication*

- Local open fuse indication provided by a orange neon lamp on each pole, minimum voltage 90Vac

* Open fuse indication requires an energized, closed circuit with an open fuse in the CCPLP and the switch in the ON position.

Ambient storage and operating temperature

- -20°C to 75°C, 85% relative humidity non-condensing

Flammability rating

- UL 94 V2

Lockout/tagout provisions

- Brady pin-out device, P/N 90844

Circuit labeling provisions

- Accepts up to two universal marker labels (P/N TM26CB)

Carton quantity

- 12 poles (1-pole: 12 units, 2-pole: 6 units, 3-pole: 4 units)

Minimumn enclosure size

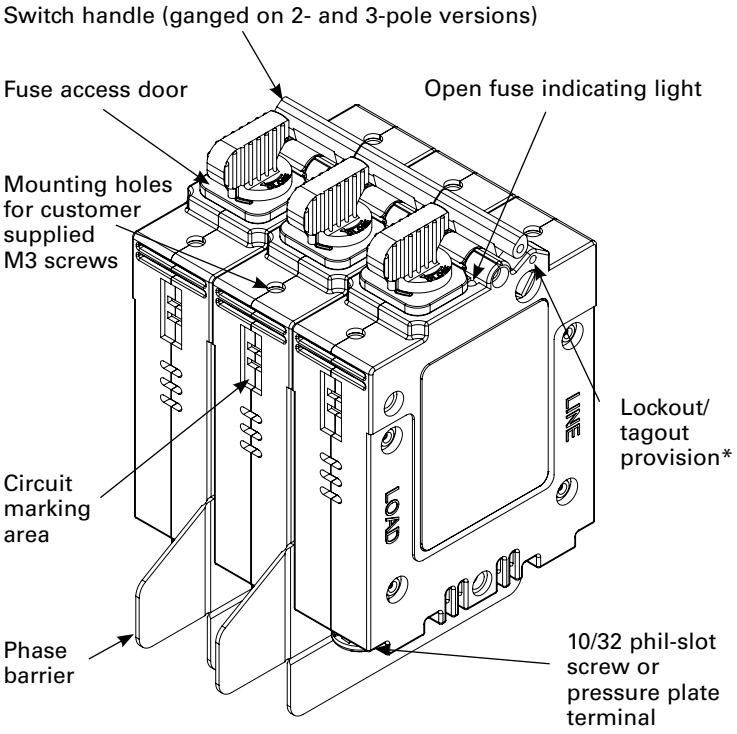
- 6"x6"x4" per UL 98 Listing

Features:

- Suitable for global installations accepting UL Class G and CC, midget or IEC gG and aM fuses
- Full voltage rated up to 600Vac
- High Short-Circuit Current Ratings (SCCR) up to 200kA (UL) and 120kA (IEC)
- Mounting and panel layout dimensions match common low-profile circuit breakers to provide an easy, alternative fused circuit protection solution.
- Disconnect rated to provide means for load isolation
- Extremely compact design at 19mm wide per pole
- Class CC version is suitable for branch circuit disconnect and branch circuit protection
- IEC 10x38 version is suitable for branch circuit disconnect and branch circuit protection
- Local open fuse indication on each pole standard
- Finger-safe IP20 from panel front for added safety
- Built-in switch handle / fuse access door interlock prohibits removing the fuse under load
- Lockout/tagout provisions made by using Brady pin-out device P/N 90844
- Circuit labeling provisions for easy identification using TM26CB labels (order separately)

Available Bussmann series fuses:

Fuse Class	Type/description	Volts	Data sheet No.
CC	LP-CC time-delay, current-limiting	600Vac	1023
CC	FNQ-R time-delay	600Vac	1014
CC	KTK-R fast-acting	600Vac	1015
G	SC time-delay (20A)	600Vac	1024
M	FNM time-delay	250Vac	2028
M	FNQ time-delay	500Vac	1012
M	KTK fast-acting	600Vac	1011
M	BAF fast-acting	250Vac	2011
M	KLM fast-acting	600Vac	2020
gG	C10G (0.5-25A)	500Vac	720115
gG	C10G (32A)	400Vac	720115
aM	C10M (0.16-16A)	550Vac	720115
aM	C10M (20-25A)	400Vac	720115



* Use Brady pin-out device, P/N 90844



Catalog numbers:

Class G fuses

Catalog number					
Screw terminal	Pressure plate terminal	Poles	Volts AC	Amps	SCCR (kA)
CCPLP-1-20G-S	CCPLP-1-20G-P	1	600	20	100
CCPLP-2-20G-S	CCPLP-2-20G-P	2	600	20	100
CCPLP-3-20G-S	CCPLP-3-20G-P	3	600	20	100

Agency information: UL 98 Listed, File E302370, Guide WHTY, IEC 60947-3 AC-23A, CE, RoHS compliant.

Class CC fuses

Catalog number			Volts	Max	SCCR	Horsepower rating (Vac)			
Screw terminal	Pressure plate terminal	Poles	AC	amps	(kA)	120	240	480	600
CCPLP-1-30CC-S	CCPLP-1-30CC-P	1	600	30	200	0.5	—	—	—
CCPLP-2-30CC-S	CCPLP-2-30CC-P	2	600	30	200	—	2	—	—
CCPLP-3-30CC-S	CCPLP-3-30CC-P	3	600	30	200	—	3	4	7.5

Agency information: UL 98 Listed, File E302370, Guide WHTY, cULus to CSA Standard 22.2 No. 4-04, File E302370, Guide WHTY7, IEC 60947-3 AC-23A, CE, RoHS compliant.

13/32"x1-1/2" UL midget fuses

Catalog number					
Screw terminal	Pressure plate terminal	Poles	Volts AC	Max amps	SCCR (kA)
CCPLP-1-30M-S	CCPLP-1-30M-P	1	240	30	10
CCPLP-2-30M-S	CCPLP-2-30M-P	2	240	30	10
CCPLP-3-30M-S	CCPLP-3-30M-P	3	240	30	10

Agency information: UL 508 Listed, File E320230, Guide NRNT, cULus Listed to CSA 22.2 No. 14-05, File E320230, Guide NRNT7, IEC 60947-3 AC-23A, CE, RoHS compliant.

10x38 IEC Class gG and aM fuses

Catalog number				Volts AC	
Screw terminal	Pressure plate terminal	Poles	Fuse class	(amp range)	SCCR (kA)
CCPLP-1-30M-S	CCPLP-1-30M-P	1	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120
CCPLP-2-30M-S	CCPLP-2-30M-P	2	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120
CCPLP-3-30M-S	CCPLP-3-30M-P	3	gG	500 (0-25) / 400 (32)	120
			aM	550 (0-16) / 400 (20-32)	120

Agency information: UL 508 Listed, File E320230, Guide NRNT, cULus Listed to CSA 22.2 No. 14-05, File E320230, Guide NRNT7, IEC 60947-3 AC-23A, CE, RoHS compliant.



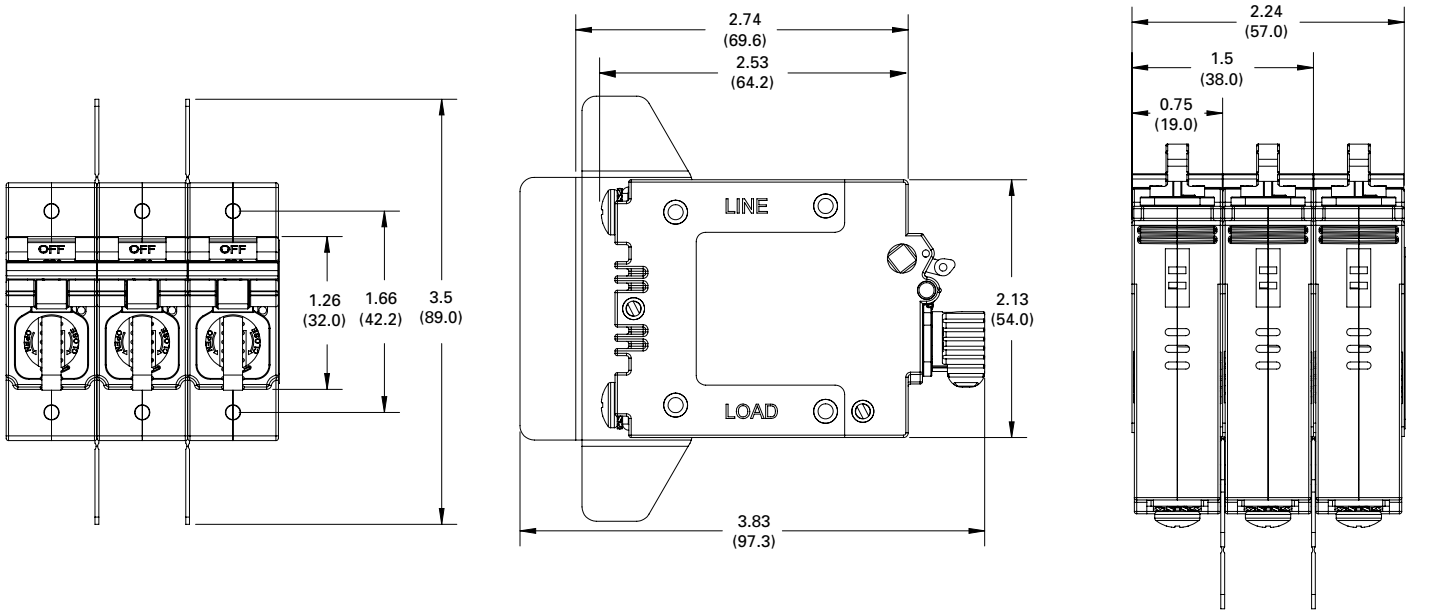
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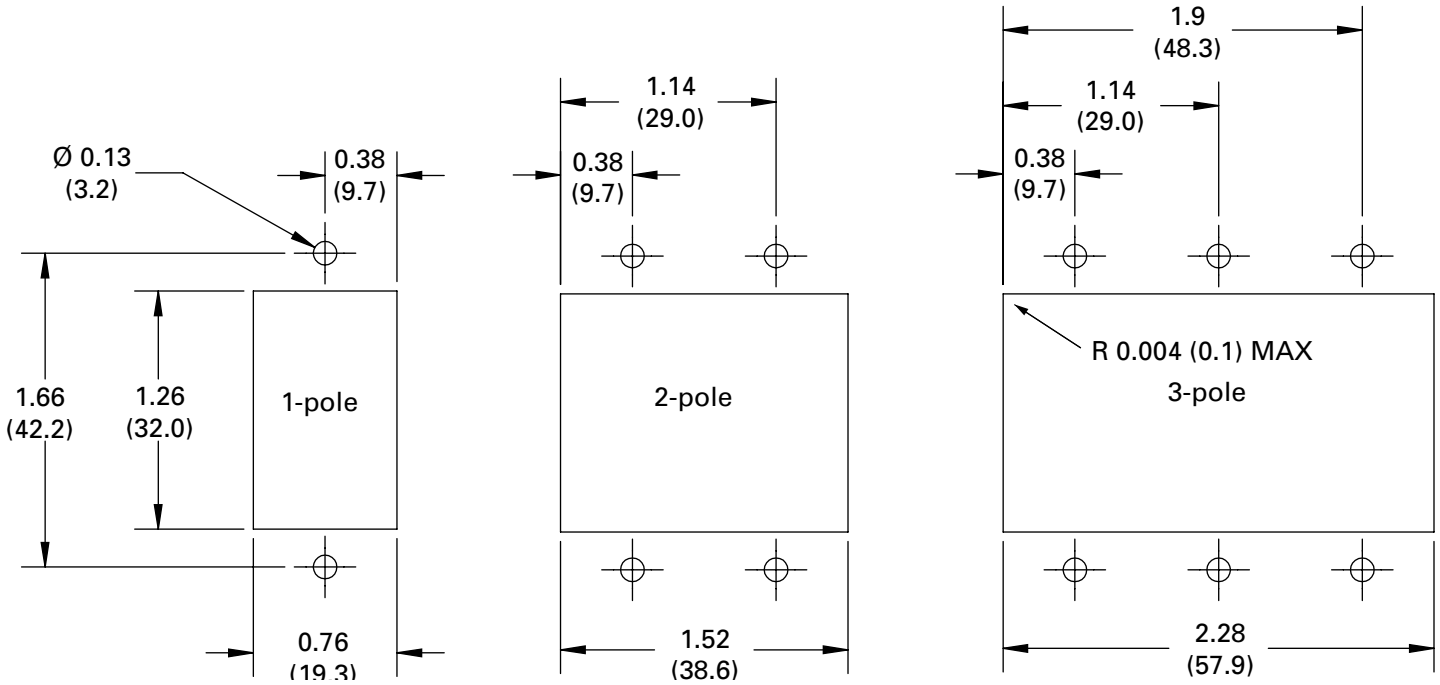
Dimensions (reference) – in (mm):

All catalog numbers



Panel mounting layout (reference) – in (mm):

1-, 2- and 3-poles, all catalog numbers



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