

Table 10a. Type BR Plug-on Neutral (PON) loadcenter CBRPM/CBRPL accessories

Description	Catalogue number
White cover replacement latch—indoor loadcenters	LATCHPW
Grey cover replacement latch—indoor loadcenters	LATCHPG
Retaining bracket for backfed main breaker—BR	BRPHD
Hold down screw for 2 pole type BJ in BR PON loadcentre	BRPHDBJ
Incoming 2/0 neutral lug	NLP20
Incoming 300 kcmil neutral lug	NLP300
BR loadcenter panel directory label 0-30 circuits ^a	LCPD30
BR loadcenter panel directory label 0-40 circuits ^a	LCPD40
BR loadcenter panel directory label 31-60 circuits ^a	LCPD60

Description	Catalogue number
Bonding kit for bonding the neutral bus to the loadcenter	BONDKITP
5 terminal ground bar kit	GBKP5
10 terminal ground bar kit	GBKP10
14 terminal ground bar kit	GBKP14
21 terminal ground bar kit	GBKP21
225A/2P subfeed lug block - #2-300KCMIL	BRPSF225
(1) 42 cct panel label, (6) white panel cover screws, (3) filler plates, (1) Eaton arc flash label, (1) neutral or ground lug	BRPNLKIT

Table 10b. Legacy Plug-in loadcenter CPM/CPL accessories

Description	Catalogue number
Number strips for CPL/CPM 42 circuits ^a	NSP42
Circuit identification labels (e.g. hot water heater) ^b	BP3110C
Ground bar kit 5 position	GBK5
Ground bar kit 8 position	GBK8
Ground bar kit 10 position	GBK10
Ground bar kit 14 position	GBK14
Ground bar kit 21 position	GBK21
Subfeed kit for 125 A loadcentres #8–2/0 ^g	BRSF125
Subfeed kit for 150 A three-phase loadcentres #8–2/0 ^g	3BRSF150
Subfeed kit for 225 A loadcentres #2–300 MCM ^g	BRS225
Subfeed kit for 225 A three-phase loadcentres #2–300 MCM ^g	3BRS225
Subfeed kit for 400 A loadcentres #8–300 MCM ^g	BRS400
Subfeed kit for 400 A three-phase loadcentres ^g	3BRS400
Neutral/ground lug kit for 2/0 ^h	NL20
Neutral/ground lug kit for 3/0 ^h	NL30
Neutral/ground lug kit for 300 MCM (maximum) ^h	NL300
Neutral kit for 400 A combination loadcentres ⁱ	CPM400KIT
Neutral kit for 400 A non-combination loadcentres ^j	CPL400KIT
White plastic replacement door latch	52-3125-6
White spray can touch up paint	SPCWH

Description	Catalogue number
Door lock for 4–8 circuit 125 A (CPM/CPL)	CH9FL ^k
Door lock for 12–42 circuit 100–225 A and 400 A (CPM/CPL)	TDL ^k
Isolated ground kit	ISGRD
Trim screw kit (CPM/CPL) ^d	CVRSCRW
Trim screw kit white (order in quantities of 25)	LCCSW
3/4-inch hub for 100–125 A Type 3R loadcentres (3 x 2-3/4 inches) ^e	DS075H1
1-inch hub for 100–125 A Type 3R loadcentres (3 x 2-3/4 inches) ^e	DS100H1
1-1/4 inch hub for 100–125 A Type 3R loadcentres (3 x 2-3/4 inches) ^e	DS125H1
1-1/2 inch hub for 100–125 A Type 3R loadcentres (3 x 2-3/4 inches) ^e	DS150H1
2-inch hub for 100–125 A Type 3R loadcentres (3 x 2-3/4 inches) ^e	DS200H1
2-inch hub for 150 and 200 A Type 3R loadcentres (4-3/4 x 4-5/8 inches)	DS200H2
2-1/2 inch hub for 150 and 200 A Type 3R loadcentres (4-3/4 x 4-5/8 inches)	DS250H2
3-inch hub for 150 and 200 A Type 3R loadcentres (4-3/4 x 4-5/8 inches)	DS300H2
3/4-inch hub for R3CCPL103 loadcentres (2-1/8 x 3-1/4 inches)	RH75P
1-inch hub for R3CCPL103 loadcentres (2-1/8 x 3-1/4 inches)	RH100P
1-1/4 inch hub for R3CCPL103 loadcentres (2-1/8 x 3-1/4 inches) RH125P	RH125P
1-inch filler plate kit ^f	BRFP
Grey plastic replacement door latch	52-3125-5
Grey spray can touch up paint	SPC61

^a 25 per package. Catalogue number represents one package.

^b 50 per package. Catalogue number represents one package.

^c Includes outer trim only, no door, and no deadfront.

^d 100 per package. Catalogue number represents one package.

^e Except R3CCPL103.

^f Kit includes 25 pieces.

^g Line/Load terminals supplied only. Neutral conductor must be purchased separately. See above listed kits.

^h Neutral bolts to main neutral bar i.e. remove screw and install lug kit.

ⁱ Kit includes 2 neutral bars.

^j Kit includes 1 neutral bar.

^k Comes with a set of keys.

Type BR arc fault circuit interrupter

Type BR arc fault circuit interrupter circuit breakers

- 10,000 A interrupting capacity at 120 Vac, 120/240 Vac, and 240 Vac

An arc fault circuit interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when the arc fault is detected. As of January 1, 2015, the Canadian Electrical Code now requires that all branch circuits that supply 125 V, single-phase, 15 and 20 A receptacle outlets installed in dwelling unit shall be protected by a combination arc fault circuit interrupter(s) (series arc and parallel arc detection).

Table 14. Single- and two-pole plug-in AFCI circuit breakers

Ampere rating	Configuration	Catalogue number		Two-pole ^a 120/240 Vac 5 per shelf carton 10 kAIC	Wire size range (Cu/Al 60 °C or 75 °C)
		Plug-on Neutral Breaker ^e	Pigtail Breaker		
15	Combination	BRP115AFC ^d	BRN115AFC ^d	BRL215CAF ^{bc}	#14–4 AWG
15	High interrupting 22 kAIC		BRHN115AF	—	#14–4 AWG
20	Combination	BRP120AFC ^d	BRN120AFC ^d	BRL220CAF ^{bc}	#14–4 AWG
20	High interrupting 22 kAIC		BRHN120AF	—	#14–4 AWG
				Requires one 1.00 inch (25.4 mm) space	Requires two 1.00 inch (25.4 mm) spaces

^a Common trip refers to two-pole 240 V load application sourced by 120/240 Vac (see **Figure 2**).

^b Will not fit into CPM112, CPL112, CPL116, CPL120, CPL220, CPL240, 3CPM112, 3CPL218, 3CPL224 or 3CPL230 prior to November 2004.

^c Long style circuit breakers. Please speak to your local Eaton sales rep for proper application.

^d CSA marked only

^e Only for use in the Type BR plug-on neutral style of combination and non-combination loadcentres

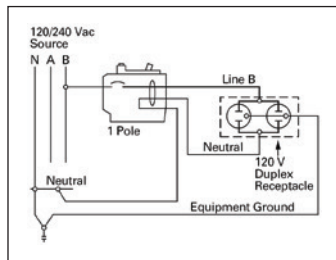


Figure 1. Single-pole, single 120 V load application sourced by 120/240 Vac

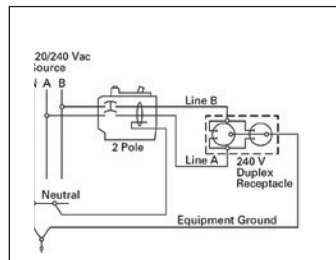


Figure 2. Two-pole, 240 V load application sourced by 120/240 Vac



Type BR combination AFCI circuit breaker



Type BR dual purpose AF/GF breaker



Type BR fire alarm breaker features red handle

Table 15. Single-pole plug-in dual purpose AF/GF breakers

Ampere rating	Configuration	Pon Breaker ^b	Pigtail Breaker
		Single-pole, 120/240 Vac 10 per shelf carton, 10 kAIC Catalogue number	
15	CAFCI / 5 mA GF	BRP115DFC ^a	BRN115DFC ^a
20	CAFCI / 5 mA GF	BRP120DFC ^a	BRN120DFC ^a
Compact body breaker		Requires one 1.00 inch (25.4 mm) space	

^a CSA marked only

^b Only for use in the Type BR plug-on neutral style of combination and non-combination loadcentres

Table 16. Single-pole plug-in fire alarm breakers

Ampere rating	Configuration	Single-pole, 120/240 Vac 10 per shelf carton, 10 kAIC Catalogue number
		15
20	Branch fire alarm	BRF120
Compact body breaker		Requires one 1.00 inch (25.4 mm) space

Plug-in circuit breakers for CPM/CPL/BRPM/BRPL

Types GFCB and GFEP ground fault

Type GFCB and GFEP ground fault circuit breakers

- 10,000/22,000 A interrupting capacity at 120 Vac and 120/240 Vac
- 5 mA “people protection,” or 30 mA equipment protectors
- Two-pole version features common trip



GFTCB single-pole



GFTCB two-pole

Table 17. (5 mA) single- and two-pole plug-in ground fault circuit breakers

Ampere rating	Wire size range Cu/Al 60 °C or 75 °C (AWG)	Catalogue number		Two-pole, 120/240 Vac 1 per shelf carton		
		Plug-on Breaker ^d 10 kAIC	Pigtail Breaker 10 kAIC	22 kAIC	10 kAIC	22 kAIC
15	#14–8	BRP115GFC ^c	BRN115GFC ^{a c}	BRHN115GF	GFTCB215	GFTCBH215
20	#14–8	BRP120GFC ^c	BRN120GFC ^{a c}	BRHN120GF	GFTCB220	GFTCBH220
25	#14–8	—	BRN125GFC ^c	BRHN125GF	GFTCB225	GFTCBH225
30	#14–8	—	BRN130GFC ^c	BRHN130GF	GFTCB230	GFTCBH230
40	#14–8	—	—	—	GFTCB240	—
50	#14–8	—	—	—	GFTCB250 ^b	—
60	#14–4	—	—	—	GFTCB260	—

Requires one 1.00 inch (25.4 mm) space Requires two 1.00 inch (25.4 mm) spaces

- a Auxiliary switches and bell alarms are available under special order with legacy part number (GFTCB115 and GFTCB120).
 Add suffix W1 for alarm switch and W2 for auxiliary switch.
 b For use with copper wire only.
 c CSA marked only.
 d Only for use in the Type BR plug-on neutral style of combination and non-combination loadcentres.

Table 18. (30 mA) single- and two-pole plug-in ground fault circuit breaker equipment protectors

Ampere rating	Wire size range Cu/Al 60 °C or 75 °C (AWG)	Pigtail Breaker	
		Single-pole, 120 Vac, 1 per shelf carton 10 kAIC	Two-pole, 120/240 Vac 1 per shelf carton 10 kAIC
15	#14–8	BRN115EP	GFEP215
20	#14–8	BRN120EP	GFEP220
25	#14–8	BRN125EP	GFEP225
30	#14–8	BRN130EP	GFEP230
40	#14–8	—	GFEP240
50	#14–8	—	GFEP250 ^a

Requires one 1.00 inch (25.4 mm) space Requires two 1.00 inch (25.4 mm) spaces

- a For use with copper wire only.

Ground fault application note

Single-pole ground fault circuit breakers (GFCBs) are designed for use in two-wire, 120 Vac circuits. **Figure 3** shows a typical wiring configuration. Two-pole GFCBs are designed for use in three-wire, 120/240 Vac circuits, 120 Vac multi-wire circuits employing common, neutral and two-wire, 240 Vac circuits obtained from a 120/240 Vac source. **Figure 4** and **Figure 6** illustrate typical wiring configurations for 120/240 Vac multi-wire circuits. **Figure 5** depicts a 240 Vac, two-wire circuit.

Note: The “panel neutral” conductor connects to the neutral bar, even though the neutral is not included in the load circuit. This connection is necessary to supply a 120 Vac power source to the ground fault sensing circuit. The figures are shown with a 120/240 Vac, single-phase, three-wire power source, but are also applicable to a 120/208 Vac, three-phase, four-wire power supply. For all figures, the electrical operation of the GFCB is not affected by the equipment ground.

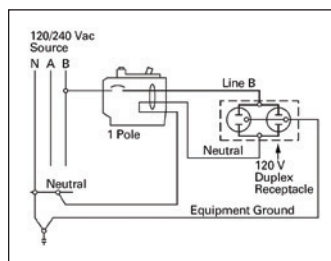


Figure 3. Single-pole

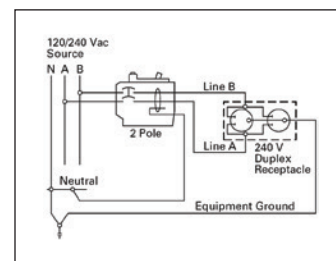


Figure 5. Two-pole

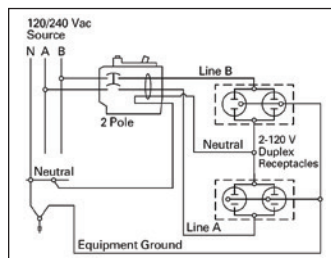


Figure 4. Two-pole

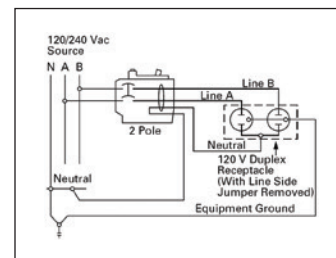


Figure 6. Two-pole