BR Plug-On Neutral Loadcenters

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BR Specialty Products

BR Plug-On Neutral Loadcenters

Product Description

Quicker, easier and cleaner than the competition. Introducing the BR Plug-On Neutral portfolio from Eaton. Eaton's latest development in loadcenters and breakers has been redesigned to improve safety and ease of installation time, while offering a more professional look and feel.

Features and Benefits

- Redesigned the BR electronic breakers into a short-body to optimize gutter space and save time with an easier, more succinct installation process
- Unique self-leveling tabs to allow for quick drywall offset
- Added keyhole hanging feature on cover for ease of installation
- Common drive types on screw connections for added simplicity and convenience
- Inboard neutral to increase the gutter space for easier installation of conductors
- Backed-out neutral screws to allow for a quick connection of ground and neutral conductors
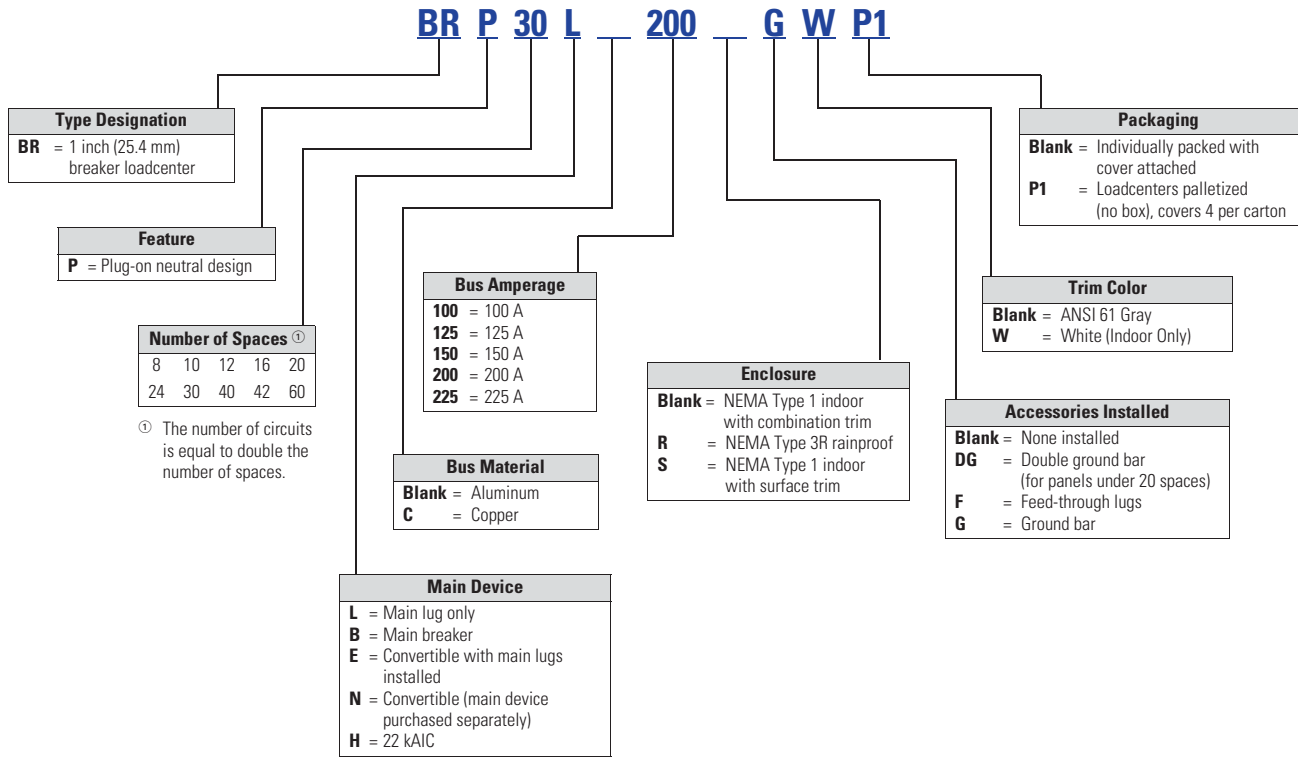- Upgraded to embossed circuit numbers for a more clean and professional look

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Catalog Number Selection

BR Plug-On Neutral Loadcenters

BR P 30 L __ 200 __ G W P1

Type Designation	
BR	= 1 inch (25.4 mm) breaker loadcenter

Feature	
P	= Plug-on neutral design

Number of Spaces [1]				
8	10	12	16	20
24	30	40	42	60

[1] The number of circuits is equal to double the number of spaces.

Bus Amperage	
100	= 100 A
125	= 125 A
150	= 150 A
200	= 200 A
225	= 225 A

Bus Material	
Blank	= Aluminum
C	= Copper

Main Device	
L	= Main lug only
B	= Main breaker
E	= Convertible with main lugs installed
N	= Convertible (main device purchased separately)
H	= 22 kAIC

Enclosure	
Blank	= NEMA Type 1 indoor with combination trim
R	= NEMA Type 3R rainproof
S	= NEMA Type 1 indoor with surface trim

Accessories Installed	
Blank	= None installed
DG	= Double ground bar (for panels under 20 spaces)
F	= Feed-through lugs
G	= Ground bar

Trim Color	
Blank	= ANSI 61 Gray
W	= White (Indoor Only)

Packaging	
Blank	= Individually packed with cover attached
P1	= Loadcenters palletized (no box), covers 4 per carton

BR Electronic Circuit Breakers

BR __ N 1 15 DF __

Type Designation	
BR	= 1 inch (25.4 mm) breaker loadcenter

High kAIC Rating	
H	= 22 kAIC

Neutral Design	
N	= Pigtail neutral wire
P	= Plug-on neutral

Number of Poles	
1	= Single-pole

Amperes	
15	= 15 A
20	= 20 A
25	= 25 A (GFI)
30	= 30 A (GFI)

Breaker Function	
DF	= Dual function
AF	= Combination arc fault
GF	= Ground fault
EP	= Equipment protection (30 mA)

Options	
Blank	= UL®
C	= Canada (CSA® only)
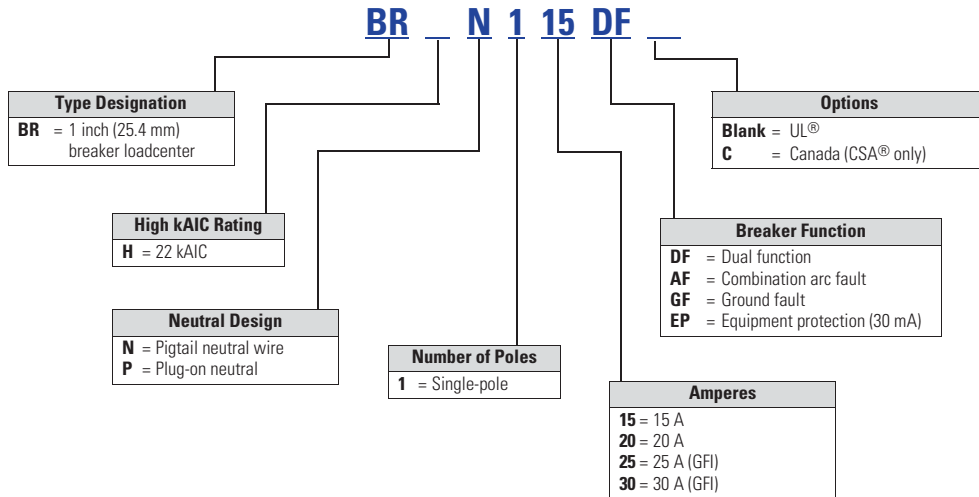
Product Selection

BRP_

BR Plug-On Neutral (PON) Loadcenters

Main Breaker Type	Main Ampere Rating	Spaces	Circuits	Enclosure Type	Box Size	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number with Combination or NEMA Type 3R Cover
CSR at 25 kAIC	200	30	60	Indoor	X6	#2–300 kcmil	**BRP30B200**
CSR at 25 kAIC	200	40	80	Indoor	X8	#2–300 kcmil	**BRP40B200**
—	200	30	60	Indoor	X5	#1–300 kcmil	**BRP30L200G**
—	200	40	80	Indoor	X8	①	**BRP40N200**

BR Electronic Breakers

Breaker Type	Plug-On Neutral Catalog Number	Pigtail Catalog Number	Ampere Rating	Poles	Wire Size	Breaker Type	LED Diagnostics Included
BR AFCI Breakers	**BRP115AF**	**BRN115AF**	15	Single-pole, 10 kAIC	#14–4	Combination AFCI	Yes
	BRP120AF	**BRN120AF**	20	Single-pole, 10 kAIC	#14–4	Combination AFCI	Yes
BR GFCI Breakers	**BRP115GF**	**BRN115GF**	15	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
	BRP120GF	**BRN120GF**	20	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
BR Dual Function Breakers	**BRP115DF**	**BRN115DF**	15	Single-pole, 10 kAIC	#14–4	Dual Function AFCI/GFCI	Yes
	BRP120DF	**BRN120DF**	20	Single-pole, 10 kAIC	#14–4	Dual Function AFCI/GFCI	Yes
BR 22 kAIC AFCI Breakers	—	**BRHN115AF**	15	Single-pole, 10 kAIC	#14–4	Combination AFCI	Yes
	—	**BRHN120AF**	20	Single-pole, 10 kAIC	#14–4	Combination AFCI	Yes
BR GFCI Breakers	—	**BRHN115GF**	15	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
	—	**BRHN120GF**	20	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
	—	**BRHN125GF**	25	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
	—	**BRHN130GF**	30	Single-pole, 10 kAIC	#14–4	Personnel Protection GFCI	Yes
BR 30 mA GFCI Breakers	—	**BRN115EP**	15	Single-pole, 10 kAIC	#14–4	Equipment Protection	Yes
	—	**BRN120EP**	20	Single-pole, 10 kAIC	#14–4	Equipment Protection	Yes
	—	**BRN125EP**	25	Single-pole, 10 kAIC	#14–4	Equipment Protection	Yes
	—	**BRN130EP**	30	Single-pole, 10 kAIC	#14–4	Equipment Protection	Yes
BR 22 kAIC Dual Function Breakers	—	**BRHAFGF115**	15	Single-pole, 10 kAIC	#14–4	Dual Function AFCI/GFCI	Yes
	—	**BRHAFGF120**	20	Single-pole, 10 kAIC	#14–4	Dual Function AFCI/GFCI	Yes

Note

① See Main Breaker and Main Lug Kit tables, **Page V1-T1-52**.