

1.2

Loadcenters and Circuit Breakers

Type BR Loadcenters and Circuit Breakers

1

Convertible Loadcenters MCB or MLO—Base Units and Main Devices 10/22/25 kAIC, Complete Assembly Consists of: Loadcenter and Either Main Breaker Kit or Main Lug Kit

Note: Interrupting rating depends on main circuit breaker selected.

BW2200



Main Devices—Two- and Three-Pole Main Circuit Breakers—120/240 Vac or 208Y/120 Vac or 240 Vac

Ampere Rating	Wire Size Range Cu/Al 60 °C or 75 °C for Main Breaker	10 kAIC Catalog Number	22/25 kAIC Catalog Number ①
Two-Pole			
100	#4–1/0	BR2100	BRH2100
110	#4–1/0	BR2110	BRH2110
125	#4–2/0	BR2125	BRH2125
125	#2–300 kcmil	BW2125	CSR2125N
150	#2–300 kcmil	BW2150	CSR2150N
175	#2–300 kcmil	BW2175	CSR2175N
200	#2–300 kcmil	BW2200	CSR2200N
Three-Pole			
100	#1	BR3100	BRH3100

BRL200



Main Devices—Two- and Three-Pole Main Lug Kits—120/240 Vac or 208Y/120 Vac or 240 Vac

Ampere Rating	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Catalog Number
Two-Pole		
125	#6–2/0	BRSF125
150	#1–300 kcmil	BRL200
175	#1–300 kcmil	BRL200
200	#1–300 kcmil	BRL200
Three-Pole		
150	#6–3/0	3BRSF150

Main Circuit Breaker with Accessory

Example: BW22005R01 (Put description with catalog number on order. See **Page V1-T1-87.**)

Main Circuit Breaker Loadcenters—Copper Bus 10/22/25 kAIC

BR3030BC100



Main Circuit Breaker Loadcenters—With Copper Bus—Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Split Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Breaker	Loadcenter Catalog Number with Combination Cover ②③
		Spaces	Circuits				
BR 10 kAIC	100	20	20	Indoor	C2	#4–1/0	BR2020BC100
		30	30	Indoor	D1	#4–1/0	BR3030BC100
BRH 22 kAIC ④	100	30	30	Indoor	D1	#4–1/0	BR3030HC100
CSR 25 kAIC	150	30	30	Indoor	G1	#2–300 kcmil	BR3030BC150
		20	40	Indoor	D1	#2–300 kcmil	BR2040BC200
	200	30	40	Indoor	G1	#2–300 kcmil	BR3040BC200
		40	40	Indoor	L1	#2–300 kcmil	BR4040BC200

Main Lug Only Loadcenters—Copper Bus

BR816LC125FDP



Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Single Neutral with Copper Bus

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Trim Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Loadcenter Catalog Number
	Spaces	Circuits					
125	8	16	Indoor	Surface (with door)	7	#14–1	BR816LC125SDP
	8	16	Indoor	Flush (with door)	7		BR816LC125FDP

Notes

- ① Series combination rating with Types BD, BR, BQ, BQC and GFTCB is 22 kAIC with BRH main and 25 kAIC with CSR main.
- ② All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with neutral bonding strap preattached. The maximum rating of the panel is the main circuit breaker rating when used as service entrance equipment.
- ③ Ground bar kits priced separately. See **Page V1-T1-66.**
- ④ 22 kAIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFTCB 10 kAIC branch breakers are used in series with Type BRH main breaker.

Box sizes **Pages V1-T1-67 through V1-T1-70.**

Options and Accessories

1

BRSF125



3BRS225



BRL200



TDL



Field Installation Kits and Parts

Number of Poles	Ampere Rating	Number of 1-Inch (25.4 mm) Spaces Needed	Wire Size Range Cu/Al 60 °C or 75 °C	Ordering Quantity ^①	Catalog Number
Main and Sub-Feed Lug Blocks					
2	125	2	#8–2/0	1	BRSF125
	150	2	#8–2/0	1	BRSF150 ^②
	225	4	#2–300 kcmil	1	BRS225
3	150	3	#8–2/0	1	3BRSF150 ^②
	225	6	#2–300 kcmil	1	3BRS225
Main Lugs					
Two-pole, 200 A stud mounted (includes deadfront filler plate)			#1–300 kcmil	1	BRL200
Neutral/ground lug			#2/0 maximum	1	NL20
Add-on neutral or ground lug			#3/0 maximum	1	NL30
			300 kcmil maximum	1	NL300
Filler Plates					
1-inch (25.4 mm) circuit breaker space				25	BRFP
BW main circuit breaker space (with hardware)				1	BWFP
Door lock—12–42 circuits, and 100–225 A				1	TDL
Door lock—4–8 circuits, 125 A				1	CH9FL
ANSI-61 light gray touchup paint for current loadcenters				1	SPC61
Isolated neutral assembly (computer circuits)				1	BINA
Circuit directory—adhesive backed				10	TCD
Cover screws				25	LCSS
Cover replacement latch (gray) 14-5/16 (363.5 mm) wide loadcenters only				1	BRRL
Circuit marking strip (next to breaker)				10	BRMS
Circuit identification label (preprinted breaker labels)				25	CHBL
Series rated caution label				25	SRL
Bonding strip with screw				1	BSSUSE

Notes

^① Must be purchased in multiples of ordering quantities indicated.

^② #8–2/0 wire size range is 75 °C rated only.