

CIRCUIT BREAKER UNIT ENCLOSURES 10,000/25,000 AMPERES INTERRUPTING CAPACITY



Circuit Breaker Unit Enclosures



CSR2200 Circuit Breaker

TABLE 2-14. CIRCUIT BREAKER UNIT ENCLOSURES

Main Ampere Rating	Circuit Breaker Type	Wire Size Range Cu/Al 60°C or 75°C	Unit Enclosure				Unit Enclosure			
			Encl. Type	Flush Cover		Surface Cover		Encl. Type	Rainproof NEMA Type 3R	
				Catalog Number	UPC Code	Catalog Number	UPC Code		Catalog Number	UPC Code
Type ECB Circuit Breaker Unit Enclosures — Order Type CSR Circuit Breaker Separately (Unit Enclosure Includes Lug Tree Kit)										
Single-Phase 3-Wire — 240 Vac Maximum										
225	CSR 25 kAIC	①	Indoor	ECB225F ②③	782113098753	ECB225S ②③	782113098746	Outdoor	ECB225R ②③④	782113098760
Type ECB Circuit Breaker Unit Enclosures — Includes Factory Installed CSR Circuit Breaker										
Single-Phase 3-Wire — 240 Vac Maximum										
150	CSR2150N 25 kAIC	①	—	—	—	—	—	Outdoor	ECB150RB ③④⑤	782114225240
200	CSR2200N 25 kAIC	—	—	—	—	—	—	Outdoor	ECB200RB ③④⑥	782114225257
Type ECC Circuit Breaker Unit Enclosures — Order Type CC Circuit Breakers Separately										
Single-Phase 3-Wire/3-Phase 4-Wire — 240 Vac Maximum										
225	CC 10 kAIC	①	Indoor	ECC225F ②③	782114225196	ECC225S ②③	782114225202	Outdoor	ECC225R ②③④	782114225219

- ① Wire size is determined by the circuit breaker installed in enclosure. Maximum wire size and ampere rating is determined by table below.
- ② Order circuit breaker separately.
- ③ One ground lug accepting (1) #14 – #2 is factory installed. Also, there are pre-drilled holes to accept a GBK5 ground bar.
- ④ Rainproof panels are furnished with hub closures plates.
- ⑤ CSR2150N factory-installed circuit breaker.
- ⑥ CSR2200N factory-installed circuit breaker.

Maximum Ampere Rating	Wire/Application	Maximum Wire Size
200	Aluminum – Standard	250 kcmil
225	Aluminum – Service Entrance	250 kcmil
225	Copper – Standard and Service Entrance	250 kcmil

CIRCUIT BREAKER UNIT ENCLOSURES 10,000/25,000 AMPERES INTERRUPTING CAPACITY

TABLE 2-15. TYPE CSR CIRCUIT BREAKERS 120/240 VAC —
25 kAIC FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	2-Pole Breakers	
		Catalog Number	UPC Code
125	#2 – 300 kcmil	CSR2125N	782114019733
150		CSR2150N	782113098449
175		CSR2175N	782113098456
200		CSR2200N	782113098463
225		CSR2225N	782114106242

TABLE 2-16. CSR LUG TREE KIT FOR REPLACEMENT PURPOSES ONLY — FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Description	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	Catalog Number	UPC Code
225	For use on 125, 150, 175, 200 and 225 Ampere CSR Breakers	#2 – 300 kcmil	MCBK225	782114110591

TABLE 2-17. TYPE CC CIRCUIT BREAKERS 240 VAC — 10 kAIC FOR USE IN TYPE ECC UNIT ENCLOSURES

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	Type CC 10 kAIC		Type CC Hi-Mag 10 kAIC	
		Catalog Number	UPC Code	Catalog Number	UPC Code
2-Pole					
100	#4 – 4/0	CC2100	782113386546	CC2100HM	782113828589
125		CC2125	782113266565	CC2125HM	782113828596
150		CC2150	782113266572	CC2150HM	782113828602
175	#2/0 – 300 kcmil	CC2175	782113266589	CC2175HM	782113828619
200		CC2200	782113266596	CC2200HM	782113828626
225		CC2225	782113266602	CC2225HM	782113828633
3-Pole					
100	#4 – 4/0	CC3100	782113386553	CC3100HM	782113828640
125		CC3125	782113266619	CC3125HM	782113828657
150		CC3150	782113266626	CC3150HM	782113828664
175	#2/0 – 300 kcmil	CC3175	782113266633	CC3175HM	782113828671
200		CC3200	782113266640	CC3200HM	782113828688
225		CC3225	782113266657	CC3225HM	782113828695

TABLE 2-18. MAIN BREAKER KITS

Ampere Rating	Catalog Number	UPC Code
225	CSH2225N	782113099774
200	CSH2200N	782113099767
150	CSH2150N	782113099743
100	CSH2100N	782116318889

CH Main Breakers



CH Main Breaker



CH Main Breaker Loadcenter

Product Description

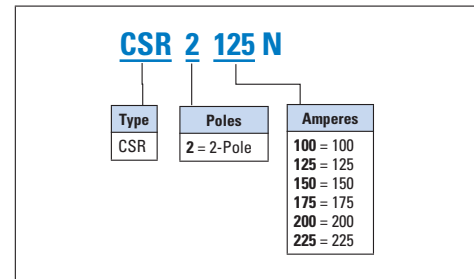
The main circuit breaker protects the entire loadcenter. It can also be used as a service disconnect. The main breaker delivers electricity to the branch circuit breakers within the loadcenter. It is either factory installed or sold separately depending on the model and application.

Features, Functions and Benefits

- ✓ Full range from 100 to 225 amperes, 120/240 volts.
- ✓ 25 kAIC, 42 kAIC and 100 kAIC available.
- ✓ Approved for service entrance.
- ✓ Include line lugs only as standard.
- ✓ 15-year warranty.
- ✓ Meet UL 489, CSA, NEMA standards, Federal Spec Classification W-C 375 b/ GEN.

Catalog Numbering System

TABLE 1-46. CATALOG NUMBERING SYSTEM



Data Tables

TABLE 1-47. TYPE CSR CIRCUIT BREAKERS 120/240 VAC — 25 kAIC FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Wire Size Range Cu/Al for Line Terminals	Number of Poles	Catalog Number	UPC Code
25 kAIC				
100	#2 – 300 kcmil	2	CSR2100	782116061112
125			CSR2125N	782114019733
150			CSR2150N	782113098449
175			CSR2175N	782113098456
200			CSR2200N	782113098463
225			CSR2225N	782114106242

Accessories

TABLE 1-48. SHUNT TRIPS, AUXILIARY, ALARM CONTACTS

Description		Catalog Number
Type	Volts	Suffix Adder ①
Shunt Trip		
CSR	12	SR12
CSR	24	SR24
CSR	120	SR01
Auxiliary Contact		
CSR (1) NO and (1) NC	—	AL1
CSR (2) NO and (2) NC	—	AL2
Alarm Contact		
CSR	—	CR1

① Add suffix indicated to end of breaker catalog number.

TABLE 1-49. CSR LUG TREE KIT FOR REPLACEMENT PURPOSES ONLY FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Description	Wire Size Range Cu/Al for Line Terminals	Catalog Number	UPC Code
225	For use on 125, 150, 175, 200 and 225 Ampere CSR Breakers	#2 – 300 kcmil	MCBK225	782114110591

Related Products

TABLE 1-50. TYPE CC CIRCUIT BREAKERS 240 VAC — 10 kAIC FOR USE IN TYPE ECC UNIT ENCLOSURES

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	Catalog Number			
		Type CC 10 kAIC	UPC Code	Type CC Hi Mag 10 kAIC	UPC Code
2-Pole					
100	#4 – 4/0	CC2100	782113386546	CC2100HM	782113828589
125		CC2125	782113266565	CC2125HM	782113828596
150		CC2150	782113266572	CC2150HM	782113828602
175	#2/0 – 300 kcmil	CC2175	782113266589	CC2175HM	782113828619
200		CC2200	782113266596	CC2200HM	782113828626
225		CC2225	782113266602	CC2225HM	782113828633
3-Pole					
100	#4 – 4/0	CC3100	782113386553	CC3100HM	782113828640
125		CC3125	782113266619	CC3125HM	782113828657
150		CC3150	782113266626	CC3150HM	782113828664
175	#2/0 – 300 kcmil	CC3175	782113266633	CC3175HM	782113828671
200		CC3200	782113266640	CC3200HM	782113828688
225		CC3225	782113266657	CC3225HM	782113828695

TABLE 1-51. SHUNT TRIPS, AUXILIARY AND ALARM CONTACTS

Description		Catalog Number
Type	Volts	Suffix Adder ②
Shunt Trip		
CC	12 dc	SR12
CC	24 dc	SR24
CC	120 ac	SR01
CC	208 ac	SR08
CC	240 ac	SR02
Auxiliary Contact		
CC (1) NO and (1) NC	—	AL1
Alarm Contact		
CSR	—	CR1

② Add suffix indicated to end of breaker catalog number.

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Circuit Breakers

BR Main Breakers



BR Main Breaker



BR Main Breaker Loadcenter

Product Description

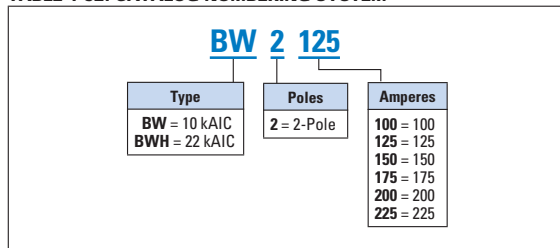
The main circuit breaker protects the entire loadcenter. It can also be used as a service disconnect. The main breaker delivers electricity to the branch circuit breakers within the loadcenter. It is either factory installed or sold separately depending on the model and application.

Features, Functions and Benefits

- ✓ Full range from 125 to 225 amperes, 120/240 volts.
- ✓ 10 kAIC and 25 kAIC available.
- ✓ Approved for service entrance.
- ✓ Five-year warranty.
- ✓ Meet UL 489, CSA, NEMA standards, Federal Spec Classification W-C 375 b/GEN.

Catalog Numbering System

TABLE 1-52. CATALOG NUMBERING SYSTEM



Note: All packaged quantities or single units.

Data Tables

TABLE 1-53. TYPES BW AND BWH CIRCUIT BREAKERS 120/240 VAC — 25 kAIC FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Number of Poles	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	Catalog Number	UPC Code
10,000 AIC				
100	2	#2 – 300 kcmil	BW2100	782116061099
125			BW2125	786676460361
150			BW2150	786676460408
175			BW2175	786676460507
200			BW2200	786676460552
225			BW2225	786679122556
25,000 AIC				
100	2	#2 – 300 kcmil	BWH2100	782116061105
125			BWH2125	786676460439
150			BWH2150	786676460453
175			BWH2175	786676449700
200			BWH2200	786676460606
225			BWH2225	786679122563

Accessories

TABLE 1-54. SHUNT TRIPS, AUXILIARY AND ALARM CONTACTS

Description	Catalog Number Suffix Adder ①
Shunt Trip for Types BW/BWH	
12 Volts	SR12
24 Volts	SR24
120 Volts	SR01
Auxiliary Contact for Types BW/BWH	
(1) NO and (1) NC	AL1
(2) NO and (2) NC	AL2
Alarm Contacts for Types BW/BWH	
Types BW/BWH	CR1
Alarm Contacts for Type GFCB (1-Pole)	
Alarm Contact for GFCB (1-Pole)	W1
(1) NO and (1) NC	W2

① Add suffix indicated to end of breaker catalog number.

TABLE 1-55. BW/BWH LUG TREE KIT FOR REPLACEMENT PURPOSES ONLY FOR USE IN TYPE ECB UNIT ENCLOSURES

Ampere Rating	Description	Wire Size Range Cu/Al 60°C or 75°C for Line Terminals	Catalog Number	UPC Code
225	For use on 125, 150, 175, 200 and 225 Ampere BW and BWH Breakers	#2 – 300 kcmil	MCBK225	782114110591