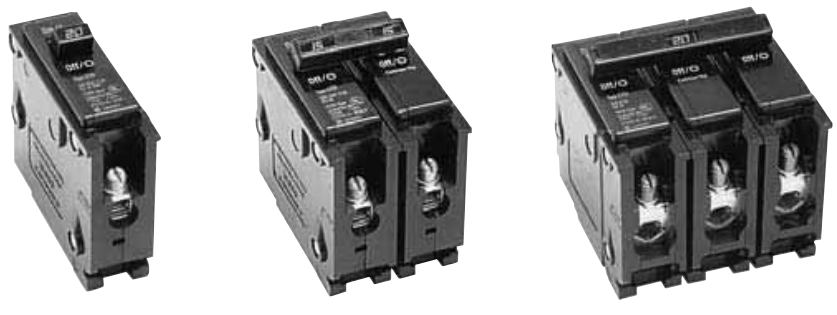
AFCI PRODUCT SELECTION GUIDE



BR TYPE AFCI PRODUCTS - 1"

Catalog Number	Style Number	Description
BR115AF	66C1111G01	BR 1" FIREGUARD AFCI 1 Pole 15 Amp, 10kAIC
BR115AFBP50	66B1104G07	BR 1" FIREGUARD AFCI 1 Pole 15 Amp, 10kAIC
BR115AFCS	BR115AFCS	BR 1" FIREGUARD AFCI 1 pole, 15 amp, 120/240Vac, 10kAIC, Clam Shell
BR115AFGF	7804C61G07	BR 1" FIREGUARD AFCI With 5 ma GFCI 1 Pole 15 Amp
BR115CAF	66C1141G01	BR 1" FIREGUARD COMBINATION TYPE AFCI 1 Pole 15 Amp, 10kAIC
BR120AF	66C1111G02	BR 1" FIREGUARD AFCI 1 Pole 20 Amp, 10kAIC
BR120AFBP50	66B1104G18	BR 1" FIREGUARD AFCI 1 Pole 20 Amp, 10kAIC
BR120AFCS	BR120AFCS	BR 1" FIREGUARD AFCI 1 pole, 20 amp, 120/240Vac, 10kAIC, Clam Shell
BR120AFGF	7804C61G08	BR 1" FIREGUARD AFCI With 5 ma GFCI 1 Pole 20 Amp
BR120CAF	66C1141G02	BR 1" FIREGUARD COMBINATION TYPE AFCI 1 Pole 20 Amp, 10kAIC
BR215AF	66C1153G01	BR 1" FIREGUARD AFCI 2 Pole 15 Amp 240V
BR215AFGF	66C1152G01	BR 1" FIREGUARD AFCI with 5ma GFCI 2 pole 15 amp 240V
BR215AFIT	66C1153G03	BR 1" FIREGUARD AFCI 2 Pole 15 Amp For Shared Neutral Circuit
BR220AF	66C1153G02	BR 1" FIREGUARD AFCI 2 Pole 20 Amp 240V
BR220AFGF	66C1152G02	BR 1" FIREGUARD AFCI With 5 ma GFCI, 2 pole, 20 amp 240V
BR220AFIT	66C1153G04	BR 1" FIREGUARD AFCI 2 Pole 20 Amp For Shared Neutral Circuit
BRC115AF	66C1112G01	BR 1" FIREGUARD AFCI 1 Pole 15 Amp
BRC120AF	66C1112G02	BR 1" FIREGUARD AFCI 1 Pole 20 Amp
BRH115AF	7804C61G09	BR 1" FIREGUARD AFCI 1 Pole 15 Amp, 22kAIC
BRH120AF	7804C61G10	BR 1" FIREGUARD AFCI 1 Pole 20 Amp, 22kAIC

Type BR Circuit Breakers



Product Description

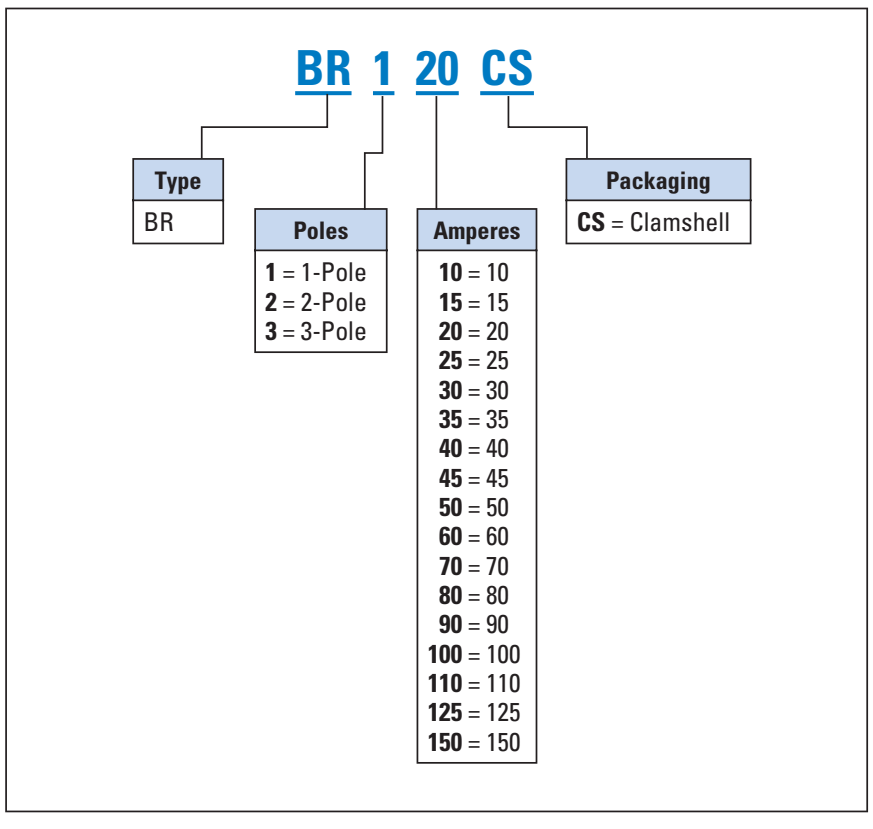
The primary function of a circuit breaker is to protect the wire from overheating (referred to as an overload) and fault currents (referred to as short circuits). Circuit breakers replaced fuses because they can be reset.

Features, Functions and Benefits

- ✓ Operated by toggle-type handle and multi-pole circuit breakers have an internal common trip mechanism.
- ✓ Handle position provides visual trip position.
- ✓ Type BR:
  - 10 to 150 amperes
  - 1-, 2- and 3-pole
  - 1- and 2-pole 120/240 V
  - 3-pole 240 V
  - 10, 22 and 42 kAIC (2 poles only)
- ✓ Type BR breakers carry listing for HCAR application.
- ✓ Meet UL 489, CSA, NEMA standards, Federal Spec Classification W-C 375 b/GEN.
- ✓ 1-inch (25.4 mm) wide (per pole).

Catalog Numbering System

TABLE 1-9. CATALOG NUMBERING SYSTEM



Note: For arc fault and ground fault breakers, please see applicable sections.

Data Tables

TABLE 1-10. TYPE BR BREAKERS, 1-INCH (25.4 MM) PER POLE 120/240, 10, 22 AND 42 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	1-Pole 120/240 Vac Requires One 1-Inch (25.4 mm) Space — 10 per Shelf Carton				2-Pole 120/240 Vac Common Trip Requires Two 1-Inch (25.4 mm) Spaces — 5 per Shelf Carton					
		10 kAIC		22 kAIC		10 kAIC		22 kAIC		42 kAIC	
		Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code
10	#14 – 4	**BR110**	786676362009	—	—	**BR210**	786676362757	—	—	—	—
15		**BR115** ①②	786676362054	**BRH115**	786676373050	**BR215**	786676362801	**BRH215**	786676373456	—	—
20		**BR120** ①②	786676362108	**BRH120**	786676373104	**BR220**	786676362856	**BRH220**	786676373500	—	—
25		**BR125**	786676362153	**BRH125**	786676373159	**BR225**	786676362900	**BRH225**	786676373555	—	—
30		**BR130**	786676362207	**BRH130**	786676373203	**BR230**	786676362955	**BRH230**	786676373609	—	—
35	#14 – 4	**BR135**	782114372081	**BRH135**	782114372128	**BR235**	786676374354	**BRH235**	782114372159	—	—
40		**BR140**	786676362252	**BRH140**	786676373258	**BR240**	786676363006	**BRH240**	786676373654	—	—
45		—	—	**BRH145**	782114372135	**BR245**	786676374453	**BRH245**	782114372166	—	—
50		**BR150**	786676362306	**BRH150**	786676373302	**BR250**	786676363051	**BRH250**	786676373708	—	—
55	#14 – 3	**BR150**	786676362306	**BRH155**	782114372142	**BR255**	782114372111	**BRH255**	782114372173	—	—
60	#4 – 1/0	**BR160**	786676362351	**BRH160**	786676373357	**BR260**	786676363105	**BRH260**	786676373753	**BRHH260**	786676382601
70		**BR170**	786676362405	**BRH170**	786676373401	**BR270**	786676363150	**BRH270**	786676373807	**BRHH270**	786676382700
80		—	—	—	—	**BR280**	786676363174	**BRH280**	782114372180	**BRHH280**	786676382809
90		—	—	—	—	**BR290**	786676363204	**BRH290**	786676373852	**BRHH290**	786676382908
100		—	—	—	—	**BR2100**	786676363259	**BRH2100**	786676373906	**BRHH2100**	786676376952
110		—	—	—	—	**BR2110**	786676384278	**BRH2110**	786676374248	**BRHH2110**	786676002950
125	#4 – 2/0	—	—	—	—	**BR2125**	786676367059	**BRH2125**	786676373951	**BRHH2125**	786676377003
150		—	—	—	—	**BR2150** ③	786676101950	—	—	—	—

① 1-pole, 1-inch (25.4 mm) per pole circuit breakers are available with high magnetic setting for switching large tungsten lamp loads. Add Suffix H to catalog number.
② Switching duty rated.
③ For use as a branch circuit breaker in 400 and 600 ampere panels only.

Note: All Type BR 1-, 2- and 3-pole circuit breakers carry listing for HACR application.

TABLE 1-11. TYPE BR BREAKERS, 1-INCH (25.4 MM) PER POLE 120/240, 10, 22 AND 42 kAIC — CLAMSHELLS

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	1-Pole 120/240 Vac Requires One 1-Inch (25.4 mm) Space — 6 per Shelf Carton				2-Pole 120/240 Vac Common Trip Requires Two 1-Inch (25.4 mm) Spaces — 3 per Shelf Carton					
		10 kAIC		22 kAIC		10 kAIC		22 kAIC		42 kAIC	
		Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code	Catalog Number	UPC Code
15	#14 – 4	**BR115CS** ④⑤	782114752708	—	—	**BR215CS**	782116630486	—	—	—	—
20		**BR120CS** ④⑤	782114752715	—	—	**BR220CS**	782114752746	—	—	—	—
30		**BR130CS**	782114752722	—	—	**BR230CS**	782114752753	—	—	—	—
40		**BR140CS**	782116630370	—	—	**BR240CS**	782114752760	—	—	—	—
50	#4 – 1/0	**BR150CS**	782116630387	—	—	**BR250CS**	782114752777	—	—	—	—
60		**BR160CS**	782116630394	—	—	**BR260CS**	782114752784	—	—	—	—
70		**BR170CS**	782116630400	—	—	**BR270CS**	782116630493	—	—	—	—
80		—	—	—	—	**BR280CS**	782116630509	—	—	—	—
90	#4 – 1/0	—	—	—	—	**BR290CS**	782116630516	—	—	—	—
100		**BR1100CS**	782116630417	—	—	**BR2100CS**	782116630523	—	—	—	—
110		—	—	—	—	**BR2110CS**	782116630530	—	—	—	—
125		—	—	—	—	**BR2125CS**	782116630547	—	—	—	—
135	#4 – 1/0	—	—	—	—	**BR2135CS**	782116630554	—	—	—	—
150		—	—	—	—	**BR2150CS**	782116630561	—	—	—	—

④ 1-pole, 1-inch (25.4 mm) per pole circuit breakers are available with high magnetic setting for switching large tungsten lamp loads. Add Suffix H to catalog number.
⑤ Switching duty rated.

Note: All Type BR 1-, 2- and 3-pole circuit breakers carry listing for HACR application.