

# Molded Case Circuit Breakers

## Panelboard Mounting Circuit Breakers

Selection

### Arc-Fault Circuit Interrupters (AFCI)

AFCI's detect arcing faults (an unintentional arcing condition in a circuit) that standard circuit breakers are unable to detect. The device is intended to mitigate the effects of arcing faults by functioning to de-energize the circuit when an arc-fault is detected.

#### Combination Type AFCI

Detects all three possible types of arc fault: line-to-ground, line-to-neutral, and series.

Breaker Type	Ampere Rating	10,000 A IR Catalog Number	22,000 A IR Catalog Number	65,000 A IR Catalog Number
<b>BAF2/BAFH2/HBAF2</b> 1-Pole 120V AC	15 20	BA115AFC <sup>①</sup> BA120AFC <sup>①</sup>	BA115AFCH BA120AFCH	BA115AFCHH BA120AFCHH
<b>BAF/BAFH</b> 2-Pole 120/240V AC	15 20	B215AFC <sup>①</sup> B220AFC <sup>①</sup>	B215AFCH B220AFCH	— —

#### Branch-Feeder AFCI

Detects line-to-ground and line-to neutral arcs.

<b>BAF2/BAFH2/HBAF2</b> 1-Pole 120V AC	15 20	<b>BA115AF</b> <sup>①</sup> <b>BA120AF</b> <sup>①</sup>	<b>BA115AFH</b> <sup>①</sup> <b>BA120AFH</b> <sup>①</sup>	<b>BA115AFHH</b> <b>BA120AFHH</b>
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#### **NEW** Dual Function AFCI/GFCI

The Dual Function Circuit Breaker combines Combination Type AFCI and GFCI, protecting against both Arc Faults and (5mA) Ground Faults. The device includes the Self Test feature, making it the first in class in electrical safety for homeowners.

<b>BFGA2/BFGAH2/HBFGA2</b> 1-Pole 120V AC	15 20	<b>B115DF</b> <b>B120DF</b>	<b>B115DFH</b> <b>B120DFH</b>	<b>B115DFHH</b> <b>B120DFHH</b>
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### Ground-Fault Circuit Interrupters (GFCI)

Provides Class A (5mA) ground fault protection. Intended for personnel protection. De-energizes the circuit for all ungrounded conductors of the circuit.

Breaker Type	Amp Rating	10k A IR Cat. No.	22k A IR Cat. No.	65k A IR Cat. No.
<b>BLF/BLHF</b> 1-Pole 120V AC Bolt-On	15 20 25 30	BF115A <sup>①</sup> BF120A <sup>①</sup> BF125A BF130A	BF115AH <sup>①</sup> BF120AH <sup>①</sup> BF125AH BF130AH	BF115AHH BF120AHH — BF130AHH
<b>BLF/BLHF</b> 2-Pole 120/240V AC Bolt-On	15 20 30 40 50 60	BF215A BF220A BF230A BF240A BF250A BF260A	BF215AH BF220AH BF230AH BF240AH BF250AH BF260AH	— — — — — —

### Ground Fault Equipment Protection (30mA)

Provides protection of equipment from damaging line-to-ground faults currents. De-energizes the circuit for all ungrounded conductors of the circuit.

Breaker Type	Amp Rating	10k A IR Cat. No.	22k A IR Cat. No.
<b>BLE/BLEH</b> 1-Pole, 120V AC Bolt-On	15 20 30	BE115 <sup>①</sup> BE120 <sup>①</sup> BE130	BE115H <sup>①</sup> BE120H <sup>①</sup> BE130H <sup>①</sup>
<b>BLE/BLEH</b> 2-Pole 120/240V AC Bolt-On	15 20 30 40 50 60	BE215 BE220 BE230 BE240 BE250 BE260	BE215H BE220H BE230H BE240H BE250H BE260H

### QAF2/QPF/QE Accessories

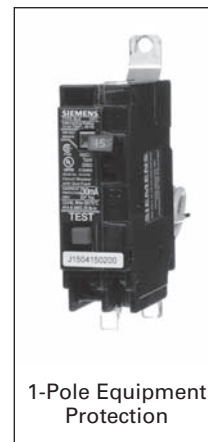
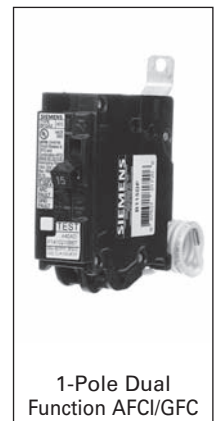
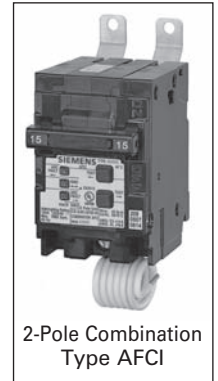
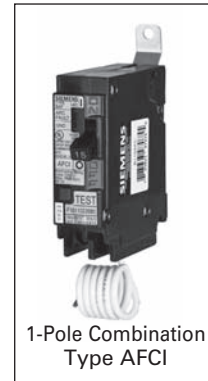
Description	Catalog Number
Padlocking Device 1-Pole	ECPLD1
Padlocking Device 2-Pole	ECPLD2
Handle Block	ECBX231M

■ Built to order. Allow 8-10 weeks for delivery.

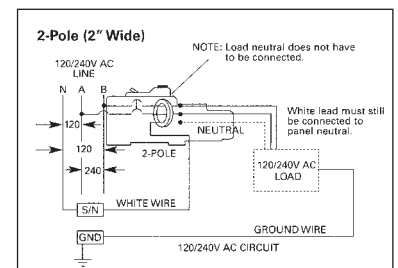
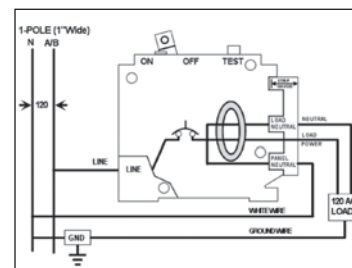
① UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.

• UL Listed

• HACR Rated



### Wiring Diagrams



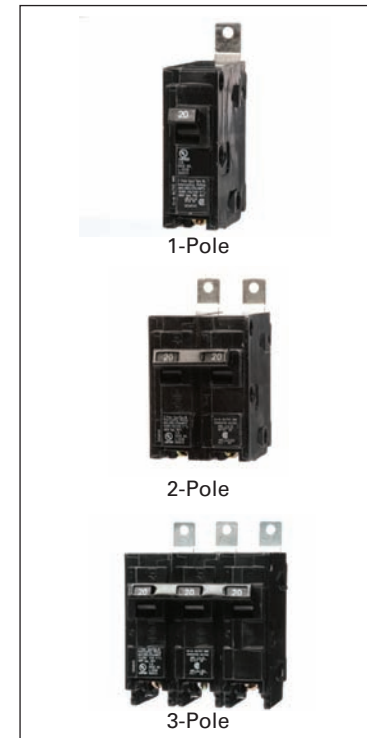
# Molded Case Circuit Breakers

## Panelboard Mounting with INSTA-WIRE

Selection

### 1-Pole Bolt-On (120V AC)<sup>⑥</sup>

Continuous Current Rating @ 40° C	Type BL <sup>①⑩</sup>	Type BLH <sup>①⑩</sup>	Type HBL <sup>①⑩</sup>
	10,000A IR	22,000A IR	65,000A IR
	Catalogue Number	Catalogue Number	Catalogue Number
15	B115 <sup>⑦</sup>	B115H <sup>④</sup>	B115HH <sup>④</sup>
20	B12 <sup>⑦</sup>	B120H <sup>④</sup>	B120HH <sup>④</sup>
25	B125	B125H	B125HH■
30	B130	B130H	B130HH
35	B135	B135H■	B135HH■
40	B140	B140H	B140HH
45	B145■	B145H■	B145HH■
50	B150	B150H	B150HH■
60	B160	B160H■	B160HH■
70	B170	B170H■	B170HH■



### 2-Pole Bolt-On (Common-Trip 120/240V AC)<sup>⑥</sup>

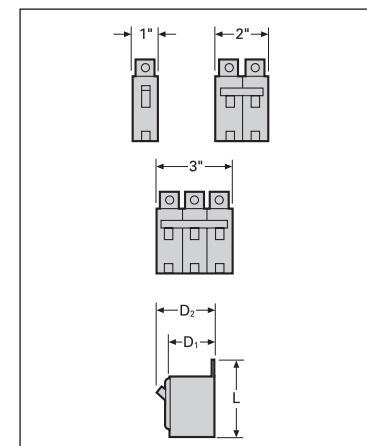
15	B215	B215H	B215HH
20	B220	B220H	B220HH
25	B225	B225H■	B225HH■
30	B230	B230H	B230HH
35	B235	B235H■	B235HH■
40	B240	B240H	B240HH
45	B245	B245H■	B245HH■
50	B250	B250H	B250HH
60	B260	B260H	B260HH
70	B270	B270H■	B270HH■
80	B280	B280H■	B280HH■
90	B290	B290H■	B290HH■
100	B2100	B2100H	B2100HH
110	B2110■	B2110H■	B2110HH■
125	B2125	B2125H	B2125HH■

### 2-Pole Bolt-On (Common-Trip 240V AC)<sup>③⑥⑥</sup>

15	B215R	—	—
20	B220R	—	—
30	B230R	—	—
40	B240R■	—	—
50	B250R	—	—

### 3-Pole Bolt-On (Common-Trip 240V AC)<sup>⑦</sup>

15	B315	B315H	B315HH
20	B320	B320H	B320HH
25	B325	B325H	B325HH■
30	B330	B330H	B330HH
35	B335	B335H■	B335HH■
40	B340	B340H	B340HH
45	B345	B345H■	B345HH■
50	B350	B350H	B350HH
60	B360	B360H	B360HH
70	B370	B370H	B370HH
80	B380	B380H■	B380HH
90	B390	B390H■	B390HH
100	B3100	B3100H	B3100HH



Breaker Type	Amperes	Dimensions		
		L	D1	D2
BL, BLH	15-50	3 $\frac{3}{8}$	2 $\frac{1}{2}$	3
BL, BLH	55-125	3 $\frac{3}{8}$	2 $\frac{1}{2}$	3
HBL	15-125	3 $\frac{3}{8}$	2 $\frac{1}{2}$	3

### BL/BLH/HBL Internal Accessories

Description	Catalog Number	Field/Factory Installed
120VAC Shunt Trip	add suffix...00S01■	Factory
24VAC Shunt Trip	add suffix...00S07■	Factory
120V Auxiliary Switch	add suffix...01■ <sup>②</sup>	Factory

For external accessories, please refer to page 5-83 - 5-89

■ Built to order. Allow 2-3 weeks for delivery

① UL Listed for use with 60/75° wire through 40 amps, CSA Certified / UL Listed for use with 75° wire only for 50 amps and above, HACR rated. 120V AC Fluorescent Lighting.

② 1A and 1B contacts.

③ UL Listed for use on 3-phase grounded "B" systems — 10,000 for this application.

④ UL Listed for frequent switching applications (SWD).

⑤ Shipped 12 per sleeve.

⑥ Shipped 6 per sleeve.

⑦ Shipped 4 per sleeve.

⑧ UL Listed 5KA IR.

⑨ 10 Amp breaker does not have INSTA-WIRE.

⑩ For 3 Phase Applications.

⑪ UL Listed for reverse feed."

⑫ CSA Certified for frequent switching applications (SWD)