

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
BAF2/BAFH2/HBAF2 1-Pole 120V AC	15 20	BA115AFC ^① BA120AFC ^①	BA115AFCH BA120AFCH	BA115AFCHH BA120AFCHH
BAF/BAFH 2-Pole 120/240V AC	15 20	B215AFC ^① B220AFC ^①	B215AFCH B220AFCH	— —

Branch-Feeder AFCI

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

BAF2/BAFH2/HBAF2 1-Pole 120V AC	15 20	BA115AF ^① BA120AF ^①	BA115AFH [■] ^① BA120AFH [■] ^①	BA115AFHH [■] BA120AFHH [■]
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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.

BFGA2/BFGAH2/HBFGA2 1-Pole 120V AC	15 20	B115DF B120DF	B115DFH [■] B120DFH [■]	B115DFHH [■] B120DFHH [■]
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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.
BLF/BLHF 1-Pole 120V AC Bolt-On	15 20 25 30	BF115A ^① BF120A ^① BF125A BF130A	BF115AH ^① BF120AH ^① BF125AH BF130AH	BF115AHH BF120AHH — BF130AHH
BLF/BLHF 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.
BLE/BLEH 1-Pole, 120V AC Bolt-On	15 20 30	BE115 ^① BE120 ^① BE130	BE115H [■] ^① BE120H [■] ^① BE130H [■]
BLE/BLEH 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

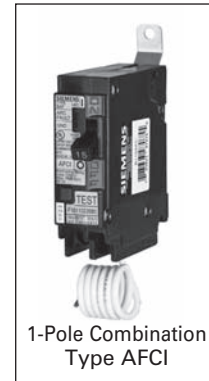
Description	Catalog Number
Padlocking Device 1-Pole	ECPLD1
Padlocking Device 2-Pole	ECPLD2
Handle Block	ECBX231M

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

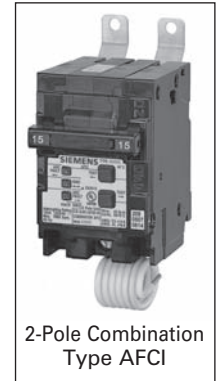
① UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.

• UL Listed

• HACR Rated



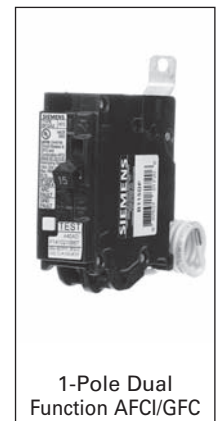
1-Pole Combination Type AFCI



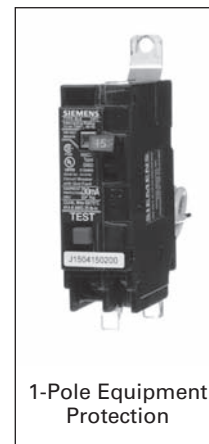
2-Pole Combination Type AFCI



1-Pole Branch Feeder AFCI



1-Pole Dual Function AFCI/GFCI

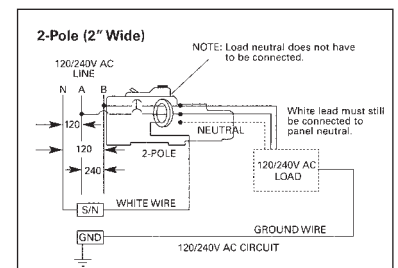
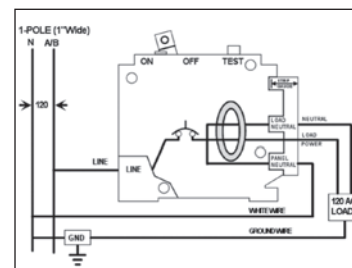


1-Pole Equipment Protection



2-Pole Equipment Protection

Wiring Diagrams



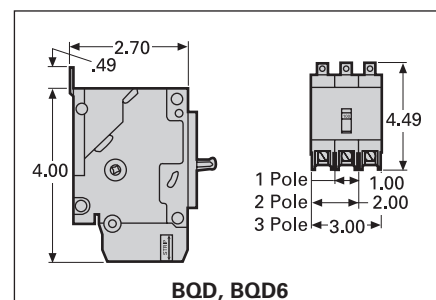
Molded Case Circuit Breakers

BQD 100A Frame Panelboard Mounting Circuit Breakers

Selection/Dimensions

BQD^④

Continuous Current Rating @ 40°C	1-Pole	2-Pole ^①	3-Pole ^③
	277V AC–125V DC Catalog Number	480Y/277V AC–125/250V DC Catalog Number	480Y/277V AC Catalog Number
15	BQD115 ^{①②}	BQD215 ^⑤	BQD315 ^⑤
20	BQD120 ^{①②}	BQD220 ^⑤	BQD320 ^⑤
25	BQD125 ^②	BQD225 ^⑤	BQD325 ^⑤
30	BQD130 ^②	BQD230 ^⑤	BQD330 ^⑤
35	BQD135 ^②	BQD235 ^⑤	BQD335 ^⑤
40	BQD140 ^②	BQD240 ^⑤	BQD340 ^⑤
45	BQD145 ^{②■}	BQD245 ^⑤	BQD345 ^⑤
50	BQD150 ^②	BQD250 ^⑤	BQD350 ^⑤
60	BQD160	BQD260	BQD360
70	BQD170■	BQD270	BQD370
80	BQD180■	BQD280	BQD380
90	BQD190■	BQD290	BQD390
100	BQD1100■	BQD2100	BQD3100



BQD6 CSA Certified

Continuous Current Rating @ 40°C	1-Pole	2-Pole ^①	3-Pole ^③
	347V AC Catalog Number	600/347V AC Catalog Number	600/347V AC Catalog Number
15	BQD6115 ^①	BQD6215	BQD6315
20	BQD6120 ^①	BQD6220	BQD6320
25	BQD6125■	BQD6225■	BQD6325■
30	BQD6130	BQD6230	BQD6330
35	BQD6135■	BQD6235■	BQD6335■
40	BQD6140■	BQD6240■	BQD6340
45	BQD6145■	BQD6245■	BQD6345■
50	BQD6150■	BQD6250■	BQD6350
60	BQD6160■	BQD6260■	BQD6360
70	BQD6170■	BQD6270■	BQD6370

Shipping Weights

Number of Poles	Number per Carton	Shipping Weight (lbs.) (ea.)
1	1/12/48	.6
2	1/6/24	1.2
3	1/4/16	2.0

Interrupting Ratings

Breaker Type	Number of Poles	RMS Symmetrical Amperes (KA)							
		Volts AC						Volts DC	
		120	240	277	480/277	347	600/347	125	125/250
BQD (CSA/UL)	1	65	—	14	—	—	—	14	—
	2	—	65	—	14	—	—	—	14
	3	—	65	—	14	—	—	—	—
BQD6 (CSA)	1	65	—	—	—	10	—	14	—
	2	—	65	—	—	—	10	—	14
	3	—	65	—	—	—	10	—	—

Lugs For 60/75°C Wire

BQD – Load End Only	
15–40	#14–#6 AWG Cu #12–#6 AWG Al
45–100	#8–#1 AWG Cu #6–#1/0 AWG Al

For inches / millimeters conversion, see Technical section.
■ Built to order. Allow 2–3 weeks for delivery.

①UL Rated SWD rated for switching fluorescent lighting.
②HID rated at 277V AC.
③Not suitable for 3-phase delta 480V applications.
④HACR rated.
⑤HID rated at 480Y/277V AC.

For external accessories, please refer to pages 5-83 - 5-89
For internal accessories, please refer to page 5-24