

Loadcentres

Catalogue Numbering System

Catalogue Numbering System^①

SEQ

24

100

SM

D

-

-

W

Panel Type _____

EQL = 1-Phase main lug
SEQ = 1-Phase main breaker
EQ4 = 3-Phase, main lug and main breaker
EQG = Generator panel
*Note: For EQG 2 Pole Generator panel, the NSN (none switched neutral) is added to the part number. Ex: EQG860NSND

Number of Circuits _____

Maximum number of circuits

Main Ampere Rating _____

Ex: 100 = 100 Amp
*Note: It comes with the type of main breaker for EQ4 3-Phase
Ex: BQ100 = 100 Amp

Main breaker mounting position for SEQ loadcentres only _____

Blank = Standard top mounted
SM = Side mounted

Door _____

Blank = Without door
D = With door
* For SEQ loadcentres only. The doors for EQL, EQ4, EQG and SEQ Type 3R loadcentres are factory installed.

Type of Bus Bar _____

Blank = Aluminum
C = Copper

Enclosure Type _____

Blank= Type 1
R= Type 3R

Colour _____

Blank = Grey
W = White
B = Beige
*Only available for EQL and SEQ loadcentres.
EQL white/beige and SEQ white/beige are only available with door.



^① The Catalogue numbering system applies only to EQL, EQL Type 3R, SEQ, SEQ Type 3R, EQ4 and EQG loadcentres.

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

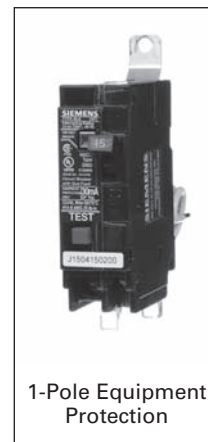
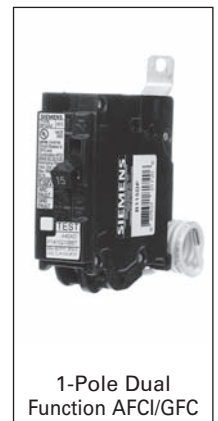
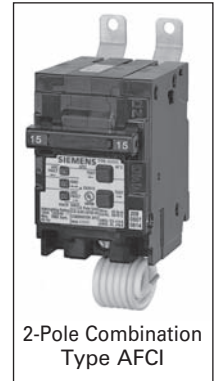
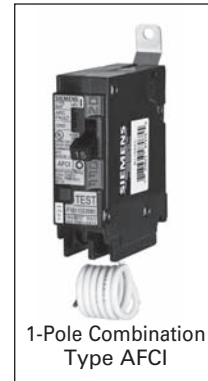
Description	Catalog Number
Padlocking Device 1-Pole	ECPLD1
Padlocking Device 2-Pole	ECPLD2
Handle Block	ECBX231M

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

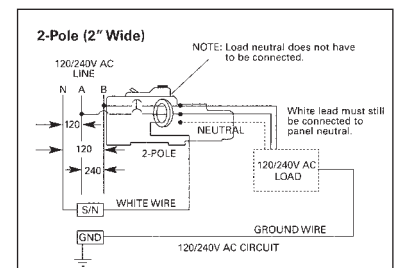
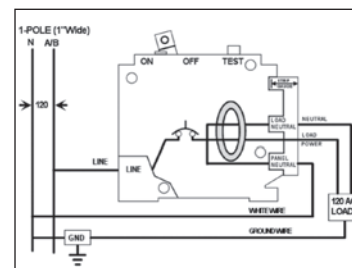
① UL Listed as SWD (Switching Duty) Rated, suitable for 120V AC Fluorescent Lighting.

• UL Listed

• HACR Rated



Wiring Diagrams



Circuit Breakers

Lug-In/Lug-Out with INSTA-WIRE

Selection

All BQ/BQH/HBQ circuit breakers are supplied with load side lugs. If line side lugs are required, add suffix "L" to catalogue number. Consult Siemens for any additional charge. All standard circuit breakers are calibrated for 40°C maximum ambient application.

Continuous Current Rating @ 40° C	Type BQ ^①	Type BQH	Type HBQ
	10,000A IR	22,000A IR	65,000A IR
	Catalogue Number	Catalogue Number	Catalogue Number

1-Pole (120V AC)^②

15	BQ1B015 ^{④⑤}	BQ1B015H ^④	HB1B015 ^④
20	BQ1B020 ^{④⑤}	BQ1B020H ^④	HB1B020 ^④
25	BQ1B025	BQ1B025H	HB1B025
30	BQ1B030	BQ1B030H	HB1B030
35	BQ1B035	BQ1B035H	HB1B035
40	BQ1B040	BQ1B040H	HB1B040
45	BQ1B045	—	HB1B045
50	BQ1B050	BQ1B050H	HB1B050
60	BQ1B060 ^⑥	BQ1B060H	HB1B060
70	BQ1B070	BQ1B070H	HB1B070

2-Pole (Common-Trip 120/240V AC)^②

15	BQ2B015	BQ2B015H	HB2B015
20	BQ2B020	BQ2B020H	HB2B020
25	BQ2B025	BQ2B025H	HB2B025
30	BQ2B030	BQ2B030H	HB2B030
35	BQ2B035	BQ2B035H	HB2B035
40	BQ2B040	BQ2B040H	HB2B040
45	BQ2B045	—	HB2B045
50	BQ2B050	BQ2B050H	HB2B050
60	BQ2B060 ^⑥	BQ2B060H	HB2B060
70	BQ2B070	BQ2B070H	HB2B070
80	BQ2B080	BQ2B080H	HB2B080
90	BQ2B090	BQ2B090H	HB2B090
100	BQ2B100	BQ2B100H	HB2B100
110	BQ2B110	—	HB2B110
125	BQ2B125	BQ2B125H	HB2B125

2-Pole (Common-Trip 240V AC)^{③④}

15	BQ2H015	—	—
20	BQ2H020	—	—
30	BQ2H030	—	—
40	BQ2H040	—	—
50	BQ2H050	—	—
60	BQ2H060	—	—
70	BQ2H070	—	—
80	BQ2H080	—	—
90	BQ2H090	—	—
100	BQ2H100	—	—

3-Pole (Common-Trip 240V AC)^②

15	BQ3B015	BQ3B015H	HB3B015
20	BQ3B020	BQ3B020H	HB3B020
25	BQ3B025	BQ3B025H	HB3B025
30	BQ3B030	BQ3B030H	HB3B030
35	BQ3B035	BQ3B035H	HB3B035
40	BQ3B040	BQ3B040H	HB3B040
45	BQ3B045	BQ3B045H	HB3B045
50	BQ3B050	BQ3B050H	HB3B050
60	BQ3B060	BQ3B060H	HB3B060
70	BQ3B070	BQ3B070H	HB3B070
80	BQ3B080	BQ3B080H	HB3B080
90	BQ3B090	BQ3B090H	HB3B090
100	BQ3B100	BQ3B100H	HB3B100

BQ / BQH / HBQ Internal Accessories

Description	Catalogue Number	Field/Factory Installed
120VAC Shunt Trip	add suffix...00S01	Factory
24VAC Shunt Trip	add suffix...00S07	Factory
120V Auxiliary Switch	add suffix...01 ^②	Factory

■ 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.

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). 120V AC Fluorescent Lighting.

⑤ Shipped 12 per sleeve.

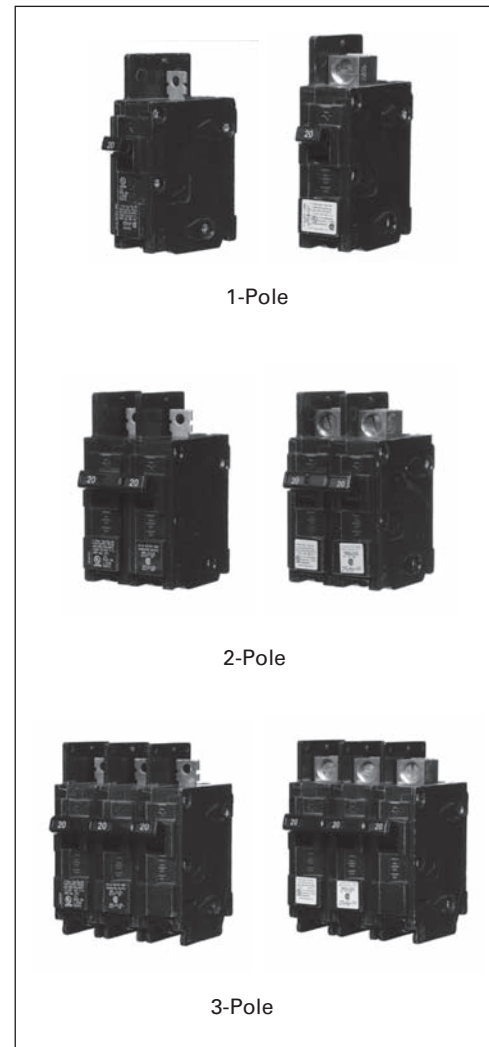
⑥ Shipped 6 per sleeve.

⑦ Shipped 4 per sleeve.

⑧ UL Listed 5KA IR.

⑨ Refer to Table A on page 5-86

⑩ CSA Certified for frequent switching applications (SWD)



Factory Modifications

Description	Catalogue Number
Line Side Lugs	add suffix...L
Quick Connect Lug	add suffix...QX
400Hz Calibration	add suffix...Y ^⑧
Marine 50° C Ambient Calibration	add suffix...M
Fungus Proofing	add suffix...F

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