

Sentron Molded Case Circuit Breakers

If used on 250A frame and above means non-interchangeable trip breaker with factory assembled frame and trip. Solid state trip and current limiting (S or C in first character) are non-interchangeable only, and the "X" is omitted.



Trip Unit Type

- Omitted – Thermal-Magnetic
- S — Sensitrip® Electronic Trip

Sentron Series Type/Interrupting Range

- Omitted – Standard Rating
- H — High IC Rating
- HH — Extra High IC Rating
- C — Highest IC Rating and Current Limiting

Frame Identifier

- E — Type ED
- F — Type FD
- J — Type JD
- L — Type LD
- LM — Type LMD
- M — Type MD
- N — Type ND
- P — Type PD
- R — Type RD

Maximum Voltage

- 2 — 240 Vac
- 4 — 480 Vac
- 6 — 600 Vac

Number of Poles

- 1
- 2
- 3
- 9 used to indicate the max. functions for an electronic trip circuit breaker (always 3 poles)

(Specific Application Type)

- B — Standard 40°C Breaker
- M — Calibrated for 50°C Application
- F — Frame Only
- T — 40°C Trip Unit Only
- W — 50°C Trip Unit Only
- S — Molded Case Switch
- L — Low Instantaneous Range ETI Breaker
- A — Standard Range ETI Breaker
- H — High Instantaneous Range ETI Breaker

Maximum Continuous Current Rating

- ED Frame — 015, 020, 025, 030, 035, 040, 045, 050, 060, 070, 080, 090, 100, 110, 125
- FD Frame — 070, 080, 090, 100, 110, 125, 150, 175, 200, 225, 250
- JD Frame — 200, 225, 250, 300, 350, 400
- LD Frame — 250, 300, 350, 400, 450, 500, 600
- LMD Frame — 500, 600, 700, 800
- MD Frame — 500, 600, 700, 800
- ND Frame — 900, 100 (1000A), 120 (1200A)
- PD Frame — 120 (1200A), 140 (1400A), 160 (1600A)
- RD Frame — 160 (1600A), 180 (1800A), 200 (2000A)

Suffix

- L — where applicable indicates a breaker shipped with line/loads lugs installed
- A — used with a switch to show automatic self protection
- Y — 400 Hertz
- H — 100% rated
- P — Load side lugs only
- NAV — Navel Ratings

NOTE:

- Position omitted if not used.

Circuit Breakers

Type QP with INSTA-WIRE

Selection

Continuous Current Rating @ 40° C	Type QP ^①	Type QPH	Type HQP
	10,000A IR	22,000A IR	65,000A IR
	Catalog Number	Catalog Number	Catalog Number

1-Pole Plug-In (120V AC)^⑤

Rating	Type QP ^①	Type QPH	Type HQP
10	Q110 ^②	—	—
15	Q115 ^③	Q115H ^④	Q115HH ^③
20	Q120 ^③	Q120H ^③	Q120HH ^③
25	Q125	Q125H■	Q125HH■
30	Q130	Q130H	Q130HH■
35	Q135■	Q135H■	Q135HH■
40	Q140	Q140H	Q140HH■
45	Q145■	Q145H■	Q145HH■
50	Q150	Q150H	Q150HH■
60	Q160	Q160H■	Q160HH■
70	Q170	Q170H■	Q170HH■



2-Pole Plug-In (Common-Trip 120/240V AC)^⑥

Rating	Type QP ^①	Type QPH	Type HQP
10	Q210 ^②	—	—
15	Q215	Q215H	Q215HH
20	Q220	Q220H	Q220HH
25	Q225	Q225H■	Q225HH■
30	Q230	Q230H	Q230HH
35	Q235	Q235H■	Q235HH■
40	Q240	Q240H	Q240HH■
45	Q245	Q245H■	Q245HH■
50	Q250	Q250H	Q250HH
60	Q260	Q260H	Q260HH
70	Q270	Q270H	Q270HH
80	Q280	Q280H■	Q280HH■
90	Q290	Q290H	Q290HH■
100	Q2100	Q2100H	Q2100HH
110	Q2110	Q2110H	Q2110HH■
125	Q2125	Q2125H	Q2125HH



2-Pole Plug-In (Common-Trip 240V AC)^{④⑥}

Rating	Type QP ^①	Type QPH	Type HQP
15	Q215R	—	—
20	Q220R	—	—
30	Q230R	—	—
40	Q240R	—	—
50	Q250R	—	—



3-Pole Plug-In (Common-Trip 240V AC)^⑦

Rating	Type QP ^①	Type QPH	Type HQP
15	Q315	Q315H	Q315HH■
20	Q320	Q320H	Q320HH
25	Q325	Q325H■	Q325HH■
30	Q330	Q330H	Q330HH
35	Q335	Q335H■	Q335HH■
40	Q340	Q340H	Q340HH
45	Q345	Q345H■	Q345HH■
50	Q350	Q350H	Q350HH
60	Q360	Q360H	Q360HH
70	Q370	Q370H	Q370HH■
80	Q380	Q380H	Q380HH■
90	Q390	Q390H	Q390HH■
100	Q3100	Q3100H	Q3100HH

QP / QPH / HQP Internal Accessories

Control Voltage AC	Catalog Number	Field/Factory Installed
120V Shunt Trip	add suffix ...00S01■	Factory
24V Shunt Trip	add suffix ...00S07■	Factory
120V Auxiliary Switch	add suffix ...01■ ^②	Factory

Modifications

Description	Catalog Number
400 Hz 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 7-93

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

① UL Listed for use with 60/75° wire through 40 amps, UL listed for use with 75° wire only for 50 amps and above, HACR rated.

② 1A and 1B contacts.

③ UL Listed for frequent switching applications (SWD), 120V AC Fluorescent Lighting.

④ UL Listed for use on 3-phase grounded "B" systems — 10,000 for this application.

⑤ Shipped 12 per sleeve.

⑥ Shipped 6 per sleeve.

⑦ Shipped 4 per sleeve.

⑧ UL Listed 5 KA IR.

⑨ Type QP1, UL listed for 16 AWG conductors and multiple wires.

Molded Case Circuit Breakers

Panelboard Mounting with INSTA-WIRE

Selection

1-Pole Bolt-On (120V AC)^⑤

Continuous Current Rating @ 40° C	Type BL ^{①⑩}	Type BLH ^{①⑩}	Type HBL ^{①⑩}
	10,000A IR	22,000A IR	65,000A IR
	Catalog Number	Catalog Number	Catalog Number
10 ^⑨	B110	—	—
15	B115 ^④	B115H ^④	B115HH ^④
20	B120 ^④	B120H ^④	B120HH ^④
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



1-Pole

2-Pole Bolt-On (Common-Trip 120/240V AC)^④

10	B210	—	—
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



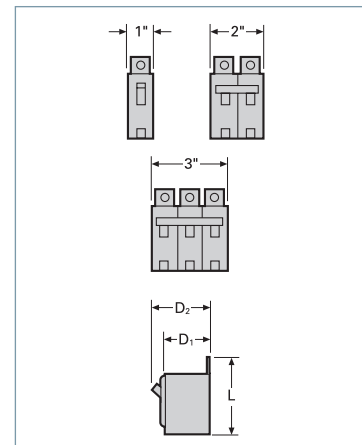
3-Pole

2-Pole Bolt-On (Common-Trip 240V AC)^{③⑥⑩}

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

3-Pole Bolt-On (Common-Trip 240V AC)^⑦

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 ³ / ₁₆	2 ³ / ₈	3
BL, BLH	55-125	3 ³ / ₈	2 ³ / ₈	3
HBL	15-125	3 ³ / ₈	2 ³ / ₈	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	Factory

Modifications

Description	Catalog Number
400Hz Calibration	add suffix...Y
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Fungus Proofing	add suffix...F

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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."