

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.

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



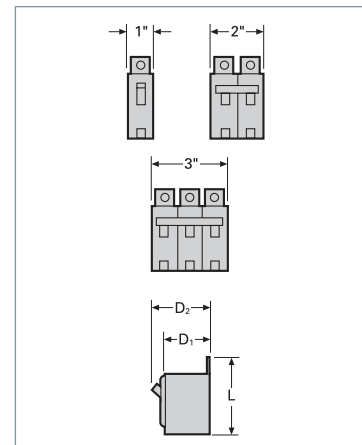
3-Pole

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 |
| 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. 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."