



6
PANELBOARDS

Table 9.18: QOB-GFI, QOB-EPD, and QOB-EPE Circuit Breakers

| Ampere Rating ▲ | 1P | | 2P—Common Trip | | 3P—Common Trip | | | |
|--|--------------------|----------|----------------------|----------|-----------------------|----------|-------------|----------|
| | Catalog No. | \$ Price | Catalog No. | \$ Price | Catalog No. | \$ Price | Catalog No. | \$ Price |
| QOB-GFI—QOB QWIK-GARD® Circuit Breaker With Ground Fault Circuit Interrupter—UL Class A 4–6 mA People Protection. ■ | | | | | | | | |
| | 120 Vac—10 k AIR | | 120/240 Vac—10 k AIR | | 208Y/120 Vac—10 k AIR | | | |
| 15 | QOB115GFI | 248. | QOB215GFI | 444. | QO315GFI | 791. | — | — |
| 20 | QOB120GFI | 248. | QOB220GFI | 444. | QO320GFI | 791. | — | — |
| 25 | QOB125GFI | 248. | QOB225GFI | 444. | — | — | — | — |
| 30 | QOB130GFI | 248. | QOB230GFI | 444. | QO330GFI | 791. | — | — |
| 40 | — | — | QOB240GFI | 444. | QO340GFI | 791. | — | — |
| 50 | — | — | QOB250GFI | 444. | QO350GFI | 791. | — | — |
| 60 | — | — | QOB260GFI | 444. | — | — | — | — |
| QOB-VHGFI ★ | | | | | | | | |
| | 120 Vac—22,000 AIR | | | | | | | |
| 15 | QOB115VHGFI | 497. | — | — | — | — | — | — |
| 20 | QOB120VHGFI | 497. | — | — | — | — | — | — |
| 25 | QOB125VHGFI | 497. | — | — | — | — | — | — |
| 30 | QOB130VHGFI | 497. | — | — | — | — | — | — |
| QOB-EPD—QOB Equipment protection circuit breakers with UL Listed 30 mA (EPD) or 100 mA (EPE) equipment protection. | | | | | | | | |
| | 120 Vac—10,000 AIR | | | | 240 Vac—10 k AIR | | | |
| 15 | QOB115EPD | 417. | QOB215EPD | 671. | QO315EPD | 1077. | QO315EPE | 1077. |
| 20 | QOB120EPD | 417. | QOB220EPD | 671. | QO320EPD | 1077. | QO320EPE | 1077. |
| 25 | QOB125EPD | 417. | QOB225EPD | 671. | — | — | — | — |
| 30 | QOB130EPD | 417. | QOB230EPD | 671. | QO330EPD | 1077. | QO330EPE | 1077. |
| 40 | — | — | QOB240EPD | 671. | QO340EPD | 1077. | QO340EPE | 1077. |
| 50 | — | — | QOB250EPD | 671. | QO350EPD | 1077. | QO350EPE | 1077. |
| 60 | — | — | QOB260EPD | 671. | — | — | — | — |
| QOB-HM—High magnetic trip circuit breakers | | | | | | | | |
| 15 | QOB115HM | 39.80 | — | — | — | — | — | — |
| 20 | QOB120HM | 39.80 | — | — | — | — | — | — |
| QOB-K—Key operated QOB circuit breakers △ | | | | | | | | |
| | 120 Vac—10,000 AIR | | | | | | | |
| 10 | QOB110K | 168. | — | — | — | — | — | — |
| 15 | QOB115K | 168. | — | — | — | — | — | — |
| 20 | QOB120K | 168. | — | — | — | — | — | — |
| 25 | QOB125K | 168. | — | — | — | — | — | — |
| 30 | QOB130K | 168. | — | — | — | — | — | — |

(Footnotes for Tables 9.18, 9.19, and 9.20)

- ▲ 10–30 A circuit breakers are suitable for use with 60° C or 75° C conductors. 35–60 A circuit breakers are suitable for use with 75° C conductors.
- Do not connect to more than 250 feet of load conductor for the total one-way run to prevent nuisance tripping.
- ◆ Suitable only for feeding 240 Vac and 208 Vac two-wire loads. Does not contain load neutral connection.
- ★ Recommended for applications where high initial inrush may occur and for individual dimmer applications.
- ▼ UL Listed as SWD (switching duty) rated suitable for switching 120 Vac fluorescent lighting loads.
- △ Available in single pole construction and can be mounted in any single pole space which will accept a standard QOB. These circuit breakers can be turned ON or OFF or to RESET with a special key (Catalog No. QOK10) included with the circuit breaker. These circuit breakers are UL Listed and available as shown in the table.
- UL Listed for use on circuit feeding fluorescent and High Intensity Discharge (HID) lighting systems such as mercury vapor, metal halide, or high pressure sodium. These circuit breakers are physically interchangeable with QOB circuit breakers.
- ◇ UL Listed 5,000 AIR on 3Ø corner grounded delta systems.
- ☆ UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.
- ▽ DC Rating is not available on indicated products.
- ⊙ QOB2150VH uses 4 pole spaces. QOB3110VH, QOB3125VH, and QOB3150VH each use 6 pole spaces. 40A maximum circuit breaker mounted opposite. Use with 75° C wire only.
- * For QO plug-on circuit breaker pricing, see tables starting on page 1–2.
- ◆ See note in Instruction Bulletin when using in an enclosure with a QO403 or QON prefix.

Table 9.21: QO/QOB Circuit Breaker Wire Sizes

| Breaker Type | Ampere Rating ▲ | Wire Size (AWG) | |
|----------------------|-----------------|-----------------|--------------|
| | | Al | Cu |
| QOB 1-pole | 10–30 | #14–8 | #14–8 |
| | 10–30 | — | two #14–10 |
| | 35–70 | #8–2 | #8–2 |
| | 10–30 | #14–8 | #14–8 |
| QOB 2-pole | 10–30 | — | two #14–10 |
| | 35–70 | #8–2 | #8–2 |
| | 80–125 | #4–2/0 | #4–2/0 |
| | 150–200 | #4–300 kcmil | #4–300 kcmil |
| QOB 3-pole | 10–30 | #14–8 | #14–8 |
| | 35–70 | #8–2 | #8–2 |
| | 80–125 | #4–2/0 | #4–2/0 |
| | 110–150 | #4–300 kcmil | #4–300 kcmil |
| QOT | 15–20 | #12–8 | #14–8 |
| QOB-GFI & QOB-EPD | 15–30 | #12–8 | #14–8 |
| | 40, 50, 60 | #12–4 | #14–6 |

▲ 10–30 A circuit breakers are suitable for use with 60° C or 75° C conductors. 35–60 A circuit breakers are suitable for use with 75° C conductors.

Table 9.19: Standard Interrupting QOB 10,000 AIR Circuit Breakers

| Ampere Rating ▲ | One-pole | | Two-pole—Common Trip | | Two-pole—Common Trip ◇ | | Three-pole—Common Trip | |
|--|------------------------------------|----------|--|----------|------------------------|----------|--------------------------------------|----------|
| | Catalog No. | \$ Price | Catalog No. | \$ Price | Catalog No. | \$ Price | Catalog No. | \$ Price |
| QOB Bolt-On | | | | | | | | |
| | 120 Vac—10 k AIR 48 Vdc—5 k AIR | | 120/240 Vac—10 k AIR 48 Vdc—5 k AIR ▼ | | 240 Vac—10 k AIR | | 240 Vac—10 k AIR 48 Vdc—5 k AIR ▼ | |
| 10 | QOB110 | 39.80 | QOB210 | 89. | — | — | QOB310 | 293. |
| 15 | QOB115▼ | 39.80 | QOB215★ | 89. | QOB215H | 240. | QOB315★ | 293. |
| 20 | QOB120▼ | 39.80 | QOB220★ | 89. | QOB220H | 240. | QOB320★ | 293. |
| 25 | QOB125★ | 39.80 | QOB225★ | 89. | QOB225H | 240. | QOB325★ | 293. |
| 30 | QOB130★ | 39.80 | QOB230★ | 89. | QOB230H | 240. | QOB330★ | 293. |
| 35 | QOB135★ | 39.80 | QOB235★ | 89. | — | — | QOB335★ | 293. |
| 40 | QOB140★ | 39.80 | QOB240★ | 89. | QOB240H | 240. | QOB340★ | 293. |
| 45 | QOB145★ | 39.80 | QOB245★ | 89. | — | — | QOB345★ | 293. |
| 50 | QOB150★ | 39.80 | QOB250★ | 89. | QOB250H | 240. | QOB350★ | 293. |
| 60 | QOB160★ | 39.80 | QOB260★ | 89. | QOB260H | 240. | QOB360★ | 293. |
| 70 | QOB170★ | 78. | QOB270★ | 168. | QOB270H | 308. | QOB370★▼ | 369. |
| 80 | — | — | QOB280★▼ | 240. | QOB280H | 366. | QOB380★▼ | 419. |
| 90 | — | — | QOB290★▼ | 240. | QOB290H | 366. | QOB390★▼ | 419. |
| 100 | — | — | QOB2100★▼ | 240. | QOB2100H | 366. | QOB3100★▼ | 419. |
| 110 | — | — | QOB2110★▼ | 501. | — | — | — | — |
| 125 | — | — | QOB2125★▼ | 501. | — | — | — | — |
| Molded Case Switch 60 A max — 240 Vac | | | QOB200 | 89. | — | — | QOB300 | 293. |
| Molded Case Switch 100 A max — 240 Vac | | | QOB2000 | 234. | — | — | QOB3000 | 507. |

Table 9.20: High Interrupting QOB and Specialty Circuit Breakers

| Ampere Rating ▲ | One-pole | | Two-pole—Common Trip | | Three-pole—Common Trip | |
|--|--------------------|----------|-----------------------------------|----------|---------------------------------------|----------|
| | Catalog No. | \$ Price | Catalog No. | \$ Price | Catalog No. | \$ Price |
| QOB-VH | | | | | | |
| | 120 Vac—22,000 AIR | | 120/240 Vac—22,000 AIR | | 240 Vac—22,000 AIR | |
| 15 | QOB115VH★▼ | 72. | QOB215VH★ | 171. | QOB315VH★ | 440. |
| 20 | QOB120VH★▼ | 72. | QOB220VH★ | 171. | QOB320VH★ | 440. |
| 25 | QOB125VH★ | 72. | QOB225VH★ | 171. | QOB325VH★ | 440. |
| 30 | QOB130VH★ | 72. | QOB230VH★ | 171. | QOB330VH★ | 440. |
| 40 | — | — | QOB240VH★ | 171. | QOB340VH★ | 440. |
| 50 | — | — | QOB250VH★ | 171. | QOB350VH★ | 440. |
| 60 | — | — | QOB260VH★ | 171. | QOB360VH★ | 440. |
| 70 | — | — | QOB270VH★ | 273. | QOB370VH★ | 560. |
| 80 | — | — | QOB280VH★ | 384. | QOB380VH★ | 629. |
| 90 | — | — | QOB290VH★ | 384. | QOB390VH★ | 629. |
| 100 | — | — | QOB2100VH★ | 384. | QOB3100VH★ | 629. |
| 110 | — | — | QOB2110VH★ | 1110. | QOB3110VH★ | 1809. |
| 125 | — | — | QOB2125VH★ | 1110. | QOB3125VH★ | 1809. |
| 150 | — | — | QOB2150VH★ | 1223. | QOB3150VH★ | 1809. |
| QHB | | | | | | |
| | 120 Vac—65,000 AIR | | 120 Vac/240 Vac—65,000 AIR | | 240 Vac—65,000 AIR | |
| 15 | QHB115★▼ | 122. | QHB215★ | 342. | QHB315★ | 596. |
| 20 | QHB120★▼ | 122. | QHB220★ | 342. | QHB320★ | 596. |
| 25 | QHB125★ | 122. | QHB225★ | 342. | QHB325★ | 596. |
| 30 | QHB130★ | 122. | QHB230★ | 342. | QHB330★ | 596. |
| QOB-HID—HID circuit breakers □ | | | | | | |
| | 120 Vac—10,000 AIR | | 120/240 Vac—10,000 AIR | | 240 Vac—10,000 AIR | |
| 15 | QOB115HID▼ | 49.50 | QOB215HID | 108. | QOB315HID | 327. |
| 20 | QOB120HID▼ | 49.50 | QOB220HID | 108. | QOB320HID | 327. |
| 25 | QOB125HID | 49.50 | QOB225HID | 108. | QOB325HID | 327. |
| 30 | QOB130HID | 49.50 | QOB230HID | 108. | QOB330HID | 327. |
| 40 | QOB140HID | 49.50 | QOB240HID | 108. | — | — |
| 50 | QOB150HID | 49.50 | QOB250HID | 108. | — | — |
| QOB-SWN—Switch Neutral—Common Trip—NEC 514.11 | | | | | | |
| | | | 1-pole—2-Wire 2 Spaces—120 Vac | | 2-pole—3-Wire 3 Spaces—120/240 Vac | |
| 10 | — | — | QOB210SWN | 116. | QOB310SWN | 170. |
| 15 | — | — | QOB215SWN | 116. | QOB315SWN | 170. |
| 20 | — | — | QOB220SWN | 116. | QOB320SWN | 170. |
| 25 | — | — | QOB225SWN | 116. | QOB325SWN | 170. |
| 30 | — | — | QOB230SWN | 116. | QOB330SWN | 170. |
| 40 | — | — | QOB240SWN | 116. | QOB340SWN | 170. |
| 50 | — | — | QOB250SWN | 116. | QOB350SWN | 170. |

Table 9.22: QO® Arc-Fault Circuit Breakers ▲ ■

| Circuit Breaker Type | Ampere Rating ▲ | 1P 120 Vac 10 kAIR 1 Space Required | | 1P 120 Vac 22 kAIR 1 Space Required | |
|---|-----------------|---|----------|---|----------|
| | | Catalog Number | \$ Price | Catalog Number | \$ Price |
| Combination Arc-Fault Interrupter | 15 | QOB115CAFI | 306. | QOB115VHCAFI | 612. |
| | 20 | QOB120CAFI | 306. | QOB120VHCAFI | 612. |

Note: See page 7-12 for accessories.

- ▲ UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment having motor group combinations and marked for use with HACR type circuit breakers.
- QO arc-fault circuit breakers provide branch feeder protection (i.e. QO115AFI) or combination protection (i.e. QO115CAFI) as required by the NEC and local code adoption, and comply with UL 1699.
- ◆ 10–30 A circuit breakers are suitable for use with 60° C or 75° C conductors. 35–60 A circuit breakers are suitable for use with 75° C conductors.



| Circuit Breaker Type | HOM Circuit Breakers | | | | | | | | | QO® Circuit Breakers | | | | | | | | | | | | | | | | |
|----------------------|----------------------|---------|---------|---------|---------|-------|-------|-------|-------|----------------------|-------|---------|----------|--------|----------|-----------|---------|----------|---------|-------|-------|-------|-------|-------|-------|-------|
| | Plug-on | HOM | HOM-AFI | HOM-GFI | HOM-EPD | HOMT | QO | QO-H | QO-VH | QH | QOT | QO-CAFI | QO-VHAFI | QO-GFI | QO-VHGF | QO-EPD | | | | | | | | | | |
| | Bolt-on | — | — | — | — | — | QOB | QOB-H | — | — | — | QOB-VH | QHB | — | QOB-CAFI | QOB-VHAFI | QOB-GFI | QOB-VHGF | QOB-EPD | | | | | | | |
| Unit Mount | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | | | | | |
| Number of Poles | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 2 | 3 | 1 | 2,3▲ | 1,2 | 3 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 2 | 3 |
| Current Range | 15-50 | 15-200♦ | 15-20 | 15-20 | 15-50 | 15-20 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 | 15-50 |

| Interrupting Ratings | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 22 | 22 | 22 | 22 | 22 | 22 | 65 | 65 | 10 | 10 | 22 | 10 | 10 | — | 22 | 10 | 10 | — |
|-------------------------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|
| UL/CSA Rating (kA) (50/60 Hz) | 120 Vac | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 22 | 22 | 22 | 22 | 22 | 22 | 65 | 65 | 10 | 10 | 22 | 10 | 10 | — | 22 | 10 | 10 | — |
| | 120/240 Vac | 10 | 10 | — | — | 10 | — | 10 | — | 10 | — | 10 | — | 22 | 22 | 22 | 22 | 22 | 22 | 65 | 65 | 10 | — | — | — | 10 | — | — | — | 10 | — |
| | 208Y/120 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 240 Vac ★ | — | — | — | — | — | — | — | — | — | — | — | 10 | 10 | — | — | 22 | — | 22 | — | 65 | — | — | — | — | — | — | — | — | — | 10 |
| | 277 Vac | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| DC Ratings | 480Y/277 Vac | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 48 Vdc | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 60 Vdc | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 65 Vdc | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | 125 Vdc | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| IEC 60947-2 (50/60 Hz) □ | 250 Vdc | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | IEC (Icu) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| Special Ratings | | X | X | X | X | X | X | X | X | X | — | — | — | X | — | — | — | — | X | — | X | X | — | — | X | — | — | — | X | — |
|-------------------------|------------|--------|---|---|---|-----------|---|---|--------|---|---|---|---|---|---|---|---|--------|---|-----|---|---|---|---|---|---|-----|---|---|---|
| Fed. Specs W-C-375B/GEN | | X | X | X | X | X | X | X | X | X | — | — | — | X | — | — | — | — | X | — | X | X | — | — | X | — | — | — | X | — |
| Other Standard | HACR ♦ NOM | HACR ♦ | | | | HACR★ NOM | | | HACR ★ | | | | — | — | — | — | — | HACR ★ | — | NOM | — | — | — | — | — | — | NOM | — | — | |

| Accessories and Modifications | | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
|-------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shunt Trip ▽ | | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Undervoltage Trip | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Auxiliary Switches ▽ | | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Alarm Switch ▽ | | — | — | — | — | — | — | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Handle Operators | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Handle Padlock Attachment | | X | X | X | — | — | — | — | — | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Trip System Type | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Thermal-magnetic | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Molded Case Switch | | — | — | — | — | — | — | — | — | — | X | X | X | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |

| Dimensions (1P Unit Mount) | | Height | 3.13 (79) | 3.5 (89) ▲ | 4.75 (121) | 4.12 (103) |
|-------------------------------------|-------|--------|-----------|------------|------------------|------------|
| Dimensions (1P Unit Mount) in. (mm) | Width | | 1.00 (25) | | 0.75 (19) ▲ | |
| | Depth | | 2.98 (76) | | 2.92 (74) ▲ | |
| Pages | | | Page 1-13 | | Pages 7-10, 7-11 | |

- ▲ See page 7-54 for dimensions for: QOB2150VH, QOB3110VH, QOB3125VH and QOB3150VH.
- HOMT tandem is 30 A maximum. HOMT quad tandem has 20 A maximum on outside poles, and 50 A maximum on the inside poles.
- ♦ AFI, EPD and GFI products are rated 60 Hz only.
- ★ See the Supplemental Digest for 3Ø corner grounded systems.
- ▼ 22 kA @ 240 Vac for 3P only.
- △ 1P and 2P, 10-70 A and 3P 10-60 A only.
- See the Supplemental Digest for circuit breakers with IEC ratings.
- ◇ HACR on HOM 1P 15-50 A and 2P 15-100 A
- ★ HACR on QO, QOB 1P 10-70 A, 2P 15-100 A, 3P 10-100 A; QOB-VH 1P 15-70 A, 2P 15-125 A, 3P 15-100 A
- ▽ Factory-installed option only
- ⊙ Factory-installed accessories are not available on QOB-VH 2P150 A and 3P 110-150 A
- * Handle padlock attachment available for HOMT quad tandem only.
- ◇ 2P 150-200 A requires 4P width.

7 MINIATURE AND MOLDED CASE CIRCUIT BREAKERS

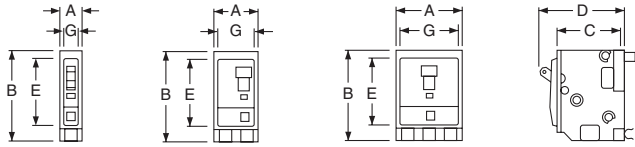


Figure 1 Figure 2 Figure 3 QO, QOB

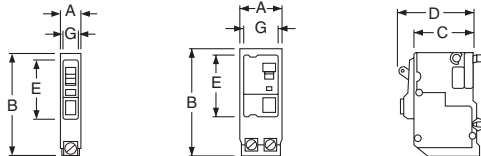


Figure 4 Figure 5 QO-GFI, QO-PL QO-EPD

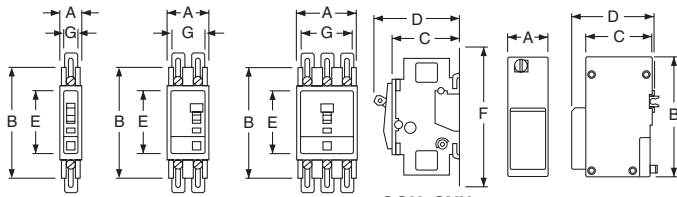


Figure 6 Figure 7 Figure 8 QOU, QYU Low Ampere Figure 9 QO-PLPS

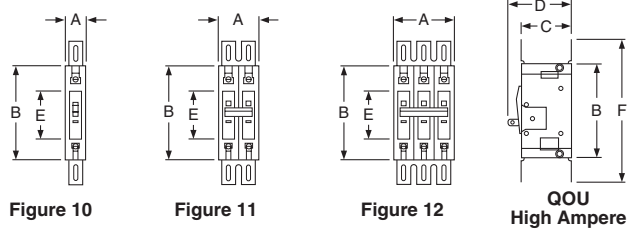


Figure 10 Figure 11 Figure 12 QOU High Ampere

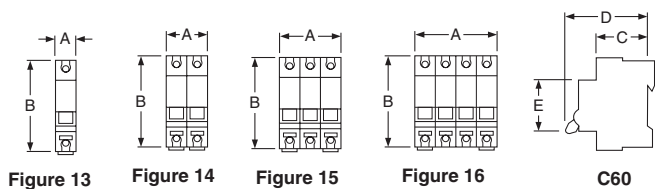


Figure 13 Figure 14 Figure 15 Figure 16 C60

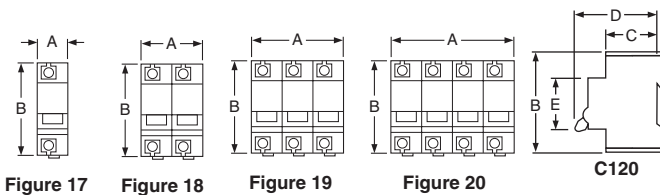


Figure 17 Figure 18 Figure 19 Figure 20 C120

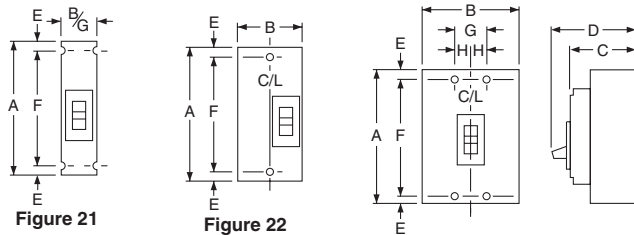


Figure 21 Figure 22 Figure 23

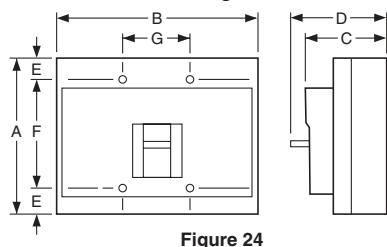


Figure 24

Table 7.140: QO®, QOU, Multi 9™ Circuit Breakers

| Circuit Breaker Cat. No. Prefix | Poles | Fig. No. | Dimensions—Inches | | | | | | |
|----------------------------------|-------|----------|-------------------|-------|------|------|------|-------|------|
| | | | A | B | C | D | E | F | G |
| QO, QOB | 1 | 1 | 0.75 | 3.00▲ | 2.31 | 2.91 | 2.25 | — | 0.59 |
| | 2 | 2 | 1.50 | 3.00▲ | 2.31 | 2.91 | 2.25 | — | 1.34 |
| | 3 | 3 | 2.25 | 3.00▲ | 2.31 | 2.91 | 2.25 | — | 2.09 |
| QOB-VH 150 A QOB-VH 110–150 A | 2 | 2 | 3.0 | 5.72 | 2.53 | 4.90 | 3.78 | — | 2.85 |
| | 3 | 3 | 4.50 | 5.72 | 2.53 | 4.90 | 3.78 | — | 4.35 |
| QO-PL QO-GFI QO-EPD | 1 | 4 | 0.75 | 4.12■ | 2.31 | 2.91 | 2.25 | — | 0.59 |
| | 2 | 5 | 1.50 | 4.12■ | 2.31 | 2.91 | 2.25 | — | 1.34 |
| | 3 | 5 | 2.25 | 4.12■ | 2.31 | 2.91 | 2.25 | — | 2.09 |
| QOU QYU Low Ampere | 1 | 6 | 0.75 | 4.05♦ | 2.38 | 2.98 | 2.25 | 5.00★ | 0.62 |
| | 2 | 7 | 1.50 | 4.05♦ | 2.38 | 2.98 | 2.25 | 5.00★ | 1.37 |
| | 3 | 8 | 2.25 | 4.05★ | 2.38 | 2.98 | 2.25 | 5.00△ | 2.12 |
| QOU High Ampere | 1 | 10 | 0.75 | 4.45 | 2.37 | 2.96 | 2.25 | 6.78 | — |
| | 2 | 11 | 1.50 | 4.45 | 2.37 | 2.96 | 2.25 | 6.78 | — |
| | 3 | 12 | 2.25 | 4.45 | 2.37 | 2.96 | 2.25 | 6.78 | — |
| Multi 9™ C60N | 1 | 13 | 0.71 | 3.19 | 1.73 | 2.76 | 1.77 | — | — |
| | 2 | 14 | 1.42 | 3.19 | 1.73 | 2.76 | 1.77 | — | — |
| | 3 | 15 | 2.13 | 3.19 | 1.73 | 2.76 | 1.77 | — | — |
| | 4 | 16 | 2.84 | 3.19 | 1.73 | 2.76 | 1.77 | — | — |
| QO-PLPS Power Supply | 2 | 9 | 1.45 | 4.35 | 2.42 | 3.11 | — | — | — |

- ▲ 35–70 A is 3.12 in; 80–100 A 2P and 70–100 A 3P are 3.50 in.
- QO-PL is 4.55 in.
- ♦ 80–100 A 1P and 80–125 A 2P are 4.45 in
- ★ 80–100 A 1P and 80–125 A 2P are 6.78 in.
- ▼ 70–100 A 4.45 in.
- △ 70–100 A is 6.78 in.

Table 7.141: QB, QD, QG, QJ, Q4, FA, FI, KA, KC, KI, LA, LC, LI, LE, LX, LXI, MA Circuit Breakers

| Circuit Breaker Cat. No. Prefix | Poles | Fig. No. | Dimensions—Inches | | | | | | | |
|---------------------------------|-------|----------|-------------------|------|------|------|------|-------|------|------|
| | | | A | B | C | D | E | F | G | H |
| QB, QD, QG, QJ | 2 | 22 | 6.47 | 3.00 | 3.02 | 3.93 | □ | 4.25 | — | — |
| | 3 | 23 | 6.47 | 4.50 | 3.02 | 3.93 | □ | 4.25 | 1.50 | 0.75 |
| FAL, FHL | 1 | 21 | 6.00 | 1.50 | 3.16 | 4.13 | 0.44 | 5.13 | 1.50 | — |
| | 2 | 22 | 6.00 | 3.00 | 3.16 | 4.13 | 0.44 | 5.13 | — | — |
| | 3 | 23 | 6.00 | 4.50 | 3.16 | 4.13 | 0.44 | 5.13 | 1.50 | 0.75 |
| FIL, KAL, KCL, KHL, KIL | 2 & 3 | 23 | 8.00 | 4.50 | 3.66 | 4.75 | 0.44 | 7.13 | 1.50 | 0.75 |
| Q4L, LAL, LHL | 2 & 3 | 23 | 11.00 | 6.00 | 4.06 | 5.84 | 0.88 | 9.25 | 2.00 | 1.00 |
| LIL, LEL, LXL, LXIL, LCL | 2 & 3 | 24 | 11.86 | 7.50 | 5.48 | 6.74 | 0.55 | 10.75 | 2.50 | — |
| MAL, MHL | 2 & 3 | 23 | 14.00 | 9.00 | 4.53 | 6.50 | 1.66 | 10.69 | 3.00 | 1.50 |

□ Dimensions E are 1.59 in at ON end and 0.63 in at OFF end.

Table 7.142: Shipping Weights◇

| Frame Size | Approx. Shipping Weight (Lbs.) | Frame Size | Approx. Shipping Weight (Lbs.) |
|----------------|--------------------------------|--------------------------|--------------------------------|
| FAL, FHL 1P | 2 | KIL | 9 |
| FAL, FHL 2P | 3 | LAL, LHL | 15 |
| FAL, FHL 3P | 5 | LEL, LIL, LXL, LXIL, LCL | 25 |
| FIL | 8 | Q4L | 15 |
| QB, QD, QG, QJ | 4 | MAL, MHL | 34 |
| KAL, KHL | 7 | | |

◇ All weights are for 3P circuit breakers unless otherwise noted.