

QO® Circuit Breakers
with VISI-TRIP® Indicator
Class 730, 731, 733

Square D
www.squared.com
FOR CURRENT INFORMATION

1 LOAD CENTERS

QO One Pole



1 Space Required

QOT One Pole Tandem



1 Space Required

QO Two Pole



2 Spaces Required

QO Three Pole



3 Spaces Required

QOB-VH 150 A Two Pole



4 Spaces Required

QOB-VH 110-150 A Three Pole



6 Spaces Required

QO/QOB Ring Terminal (20% Price Adder)—Factory Installed Only

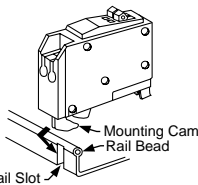
| Ampere Rating | Poles | Suffix |
|---------------|---------|--------|
| 10-30 | 1, 2, 3 | 5237 |
| 35-60 | 1, 2 | 5238 |
| 35-50 | 3 | |
| 70-110 | 2 | 5273 |
| 60-100 | 3 | |

Plug-On Circuit Breakers—UL Listed Amperes Interrupting Rating (AIR) In Amperes RMS Symmetrical

| Amperes Rating | One Pole—120/240 Vac | | Two Pole—120/240 Vac Common Trip | | Two Pole—240 Vac ▲ Common Trip | | Three Pole—240 Vac Common Trip | |
|---------------------------------------|----------------------|---------|----------------------------------|----------|--------------------------------|----------|--------------------------------|-----------|
| | Catalog Number | Price | Catalog Number | Price | Catalog Number | Price | Catalog Number | Price |
| 10,000 AIR | | | | | | | | |
| 10 | QO110 | \$19.40 | QO210 | \$ 44.70 | ..... | ... | QO310 | \$ 157.00 |
| 15 | QO115 ■◆ | 19.40 | QO215 ■ | 44.70 | QO215H | \$127.00 | QO315 ■ | 157.00 |
| 15 | QO115HM ■◆◆ | 19.40 | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | QO120 ■◆ | 19.40 | QO220 ■ | 44.70 | QO220H | 127.00 | QO320 ■ | 157.00 |
| 20 | QO120HM ■◆◆ | 19.40 | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | QO125 ■ | 19.40 | QO225 ■ | 44.70 | QO225H | 127.00 | QO325 ■ | 157.00 |
| 30 | QO130 ■ | 19.40 | QO230 ■ | 44.70 | QO230H | 127.00 | QO330 ■ | 157.00 |
| 35 | QO135 ■ | 19.40 | QO235 ■ | 44.70 | ..... | ..... | QO335 ■ | 157.00 |
| 40 | QO140 ■ | 19.40 | QO240 ■ | 44.70 | QO240H | 127.00 | QO340 ■ | 157.00 |
| 45 | QO145 ■ | 19.40 | QO245 ■ | 44.70 | ..... | ..... | QO345 ■ | 157.00 |
| 50 | QO150 ■ | 19.40 | QO250 ■ | 44.70 | QO250H | 127.00 | QO350 ■ | 157.00 |
| 60 | QO160 ■ | 19.40 | QO260 ■ | 44.70 | QO260H | 127.00 | QO360 ■ | 157.00 |
| 70 | QO170 ■ | 44.70 | QO270 ■ | 89.00 | QO270H | 142.00 | QO370 | 200.00 |
| 80 | ..... | ... | QO280 | 126.00 | QO280H | 200.00 | QO380 | 232.00 |
| 90 | ..... | ... | QO290 | 126.00 | QO290H | 200.00 | QO390 | 232.00 |
| 100 | ..... | ... | QO2100 | 126.00 | QO2100H | 200.00 | QO3100 | 232.00 |
| 110 | ..... | ... | QO2110 | 271.00 | ..... | ..... | ..... | ..... |
| 125 | ..... | ... | QO2125 | 271.00 | ..... | ..... | ..... | ..... |
| Molded Case Switch 60 A max.—240 Vac |  | ..... | ..... | ... | QO200 | 44.70 | QO300 | 157.00 |
| Molded Case Switch 100 A max.—240 Vac |  | ..... | ..... | ... | QO2000▼ | 127.00 | QO3000▼ | 232.00 |
| 22,000 AIR | | | | | | | | |
| 15 | QO115VH◆ | \$40.30 | QO215VH△ | \$ 92.00 | ..... | ... | QO315VH△ | \$ 235.00 |
| 20 | QO120VH◆ | 40.30 | QO220VH△ | 92.00 | ..... | ... | QO320VH△ | 235.00 |
| 25 | QO125VH | 46.20 | QO225VH△ | 92.00 | ..... | ... | QO325VH△ | 235.00 |
| 30 | QO130VH | 46.20 | QO230VH△ | 92.00 | ..... | ... | QO330VH△ | 235.00 |
| 40 | ..... | ... | QO240VH△ | 92.00 | ..... | ... | QO340VH△ | 235.00 |
| 50 | ..... | ... | QO250VH△ | 92.00 | ..... | ... | QO350VH△ | 235.00 |
| 60 | ..... | ... | QO260VH△ | 92.00 | ..... | ... | QO360VH△ | 235.00 |
| 70 | ..... | ... | QO270VH△ | 142.00 | ..... | ... | QO370VH△ | 303.00 |
| 80 | ..... | ... | QO280VH△ | 200.00 | ..... | ... | QO380VH△ | 336.00 |
| 90 | ..... | ... | QO290VH△ | 200.00 | ..... | ... | QO390VH△ | 336.00 |
| 100 | ..... | ... | QO2100VH△ | 200.00 | ..... | ... | QO3100VH△ | 336.00 |
| 110 | ..... | ... | QO2110VH△ | 656.00 | ..... | ... | QO3110VH△□◆ | 1149.00 |
| 125 | ..... | ... | QO2125VH△ | 656.00 | ..... | ... | QO3125VH△□◆ | 1149.00 |
| 150 | ..... | ... | QOB2150VH△◆☆ | 776.00 | ..... | ... | QO3150VH△◆☆ | 1149.00 |
| 42,000 AIR | | | | | | | | |
| 40 | ..... | ... | QOH240▼ | \$201.00 | ..... | ... | ..... | ... |
| 45 | ..... | ... | QOH245▼ | 201.00 | ..... | ... | ..... | ... |
| 50 | ..... | ... | QOH250▼ | 201.00 | ..... | ... | ..... | ... |
| 60 | ..... | ... | QOH260▼ | 201.00 | ..... | ... | ..... | ... |
| 70 | ..... | ... | QOH270 | 335.00 | ..... | ... | ..... | ... |
| 80 | ..... | ... | QOH280 | 413.00 | ..... | ... | ..... | ... |
| 90 | ..... | ... | QOH290 | 413.00 | ..... | ... | ..... | ... |
| 100 | ..... | ... | QOH2100 | 413.00 | ..... | ... | ..... | ... |
| 110 | ..... | ... | QOH2110▼ | 882.00 | ..... | ... | ..... | ... |
| 125 | ..... | ... | QOH2125 | 882.00 | ..... | ... | ..... | ... |
| 65,000 AIR | | | | | | | | |
| 15 | QH115◆ | \$74.00 | QH215 | \$186.00 | ..... | ... | QH315 | \$322.00 |
| 20 | QH120◆ | 74.00 | QH220 | 186.00 | ..... | ... | QH320 | 322.00 |
| 25 | QH125▼ | 74.00 | QH225▼ | 186.00 | ..... | ... | QH325▼ | 322.00 |
| 30 | QH130 | 74.00 | QH230 | 186.00 | ..... | ... | QH330 | 322.00 |

Circuit Breaker Wire Sizes

| Breaker Type | Ampere Rating | Wire Size (AWG) | |
|------------------|---------------|-----------------|--------------|
| | | Aluminum | Copper |
| QO 1 Pole | 10-30 | #14-8 | #14-8 |
| | 10-30 | ..... | (2) #14-10 |
| | 35-70 | #8-2 | #8-2 |
| QO 2 & 3 Pole | 10-30 | #14-8 | #14-8 |
| | 35-70 | #8-2 | #8-2 |
| | 80-125 | #12-2/0 | #12-2/0 |
| QOB-VH | 110-150 | #4-300 kcmil | #4-300 kcmil |
| QOT | 15-20 | #12-8 | #14-8 |
| QO-GFI & QO-EPD | 15-30 | #12-8 | #14-8 |
| | 40, 50, 60 | #12-4 | #14-6 |
| QO-PL | 10-60 | #12-2 | #14-2 |



Pan Rail Slot

Circuit Limiting QOT Tandem Breakers

QOT tandem breakers have a mounting cam as shown. Installation into a QO load center can only be made in those positions having a mounting pan rail slot. Meets Par. 384-15 of NEC®. UL Listed as Class CTL.

Additional Information

Accessories..... Pages 1-3, 1-11

QOT Tandem Circuit Breakers—10,000 AIR

| Ampere Rating▽ | One Pole Tandem 120/240 Vac | | Two Pole Tandem 120/240 Vac | |
|----------------|-----------------------------|---------|---|-------|
| | Catalog No. | Price | Catalog No. | Price |
| 15 & 15 | QOT1515 ■ | \$38.60 | Order two QOT1515 or QOT2020 circuit breakers and handle tie Cat. No. QOHTH at \$2.40 for common switching of center two poles. | ..... |
| 15 & 20 | QOT1520 ■ | 38.60 |  | ..... |
| 20 & 20 | QOT2020 ■ | 38.60 |  | ..... |
| | | | | |

Replacement Tandem Breakers

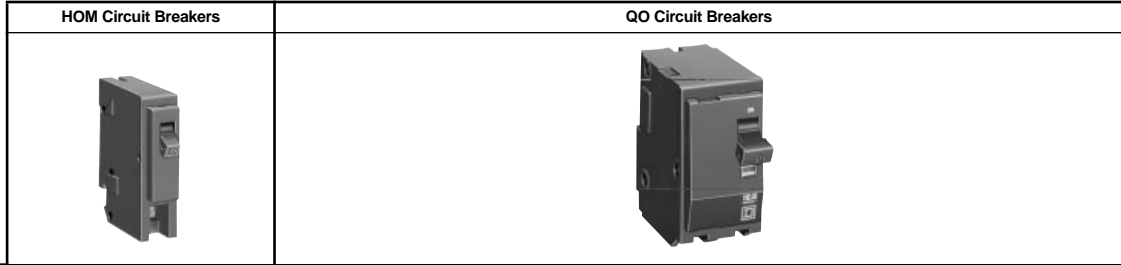
For Use in Old Style Non-Class CTL QO Load Centers 10,000 AIR

| Ampere Rating▽ | One Pole—120/240 Vac | | Two Single Pole Individual Trip 120/240 Vac | |
|----------------|----------------------|---------|---|-------|
| | 1 Space Required | | 2 Spaces Required | |
| | Catalog No. | Price | Catalog No. | Price |
| 10 | ..... | ..... | ..... | ..... |
| 15 & 15 | QO1515 ■ | \$46.20 | Order Two QO1515 or QO2020 circuit breakers and handle tie Cat. # QOHTH | ..... |
| 15 & 20 | QO1520 ■ | 46.20 |  | ..... |
| 20 & 20 | QO2020 ■ | 46.20 |  | ..... |
| 20 & 30 | QO2030 ■ | 46.20 |  | ..... |
| 30 & 30 | QO3020 ■ | 46.20 |  | ..... |
| | | | | |

- ▲ UL Listed 5000 AIR on 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.
- ◆ UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.
- ★ **High magnetic** trip breakers are recommended for applications where high initial inrush current may occur. Order only. Contact your nearest SQUARE D/Schneider Electric sales office.
- △ UL Listed for use ahead of QO, QO-GFI, QO-EPD, QOT, and QO-PL 10,000 AIR breakers to permit their application at 22,000 amperes fault level.
- 100 A maximum branch mounted opposite.
- ◇ For use in 300 and 400 A (only) load centers. Use bolt on connector kit. Order kit separately... PK3CA \$47.60.
- ☆ 20 A maximum branch mounted opposite.
- ▽ 10-30 ampere breakers are suitable for use with 60°C or 75°C conductors. 35-125 ampere breakers are suitable for use with 75°C conductors.
- Includes two circuit breakers (one QO2030 and one QO3020) and handle tie QOHTH.

Selection Information

Class 500, 600



| Breaker Type | Plug-on | HOM | | | HOM-GFI | | | HOMT | | | QO Circuit Breakers | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-----------------------|-----------|--------|--------|---------|-----------------------------------|-----------|--------|--------|--------|---------------------|-------|-------|--------|--------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|----------|-------|-------|-------|-------|-------|---------|-------|--|-----------|--|
| | Bolt-on | | | | | | | | | | QO | | | QO-H | | | QO-VH | | | QH | | | QOT | | | QO-GFI | | | QO-VHGFI | | | | | | | | | | |
| | Unit Mount | | | | | | | | | | QOB | | | QOB-H | | | | | | | | | | | | QOB-VH | | | QHB | | | | | | QOB-GFI | | | QOB-VHGFI | |
| Number of Poles | | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | 1 | 2,3 [‡] | 1,2 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | | | | | |
| Current Range | | 15-50 | 15-200 | 15-20 | 15-50 | 15-50 | 10-100 | 10-125 | 10-100 | 15-100 | 15-30 | 15-30 | 15-30 | 15-125 | 15-100 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | 15-30 | | | |
| Interrupting Ratings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL/CSA Rating (kA RMS) (50/60 Hz AC) | 120 Vac | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | |
| | 120/240 Vac | 10 | 10 | -- | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | |
| | 240Vac [▼] | ... | ... | ... | ... | ... | ... | ... | ... | 10 | 10 | 10 | ... | ... | 22 | ... | 22 | ... | 65 | 65 | 10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| | 277 Vac | ... | ... | ... | ... | ... | 5* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| DC Ratings | 48 Vdc | ... | ... | ... | ... | ... | 5* | 5* | 5* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| | 65 Vdc | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| | 125 Vdc | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| | 250 Vdc | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| IEC 947-2 (50/60 Hz AC) | IEC (Ultimate Rating) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| | IEC (Rating) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Special Ratings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fed. Specs WC-375B/GEN | ... | ... | ... | ... | ... | ... | ✓ | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| Other Standard | HACR ▲ NOM | | | HACR ▲ | | | HACR† NOM | | | HACR† | | | HACR† | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | NOM | ... | | | | | |
| Accessories and Modifications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shunt Trip | ... | ... | ... | ... | ... | ... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Undervoltage Trip | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| Auxiliary Switches | ... | ... | ... | ... | ... | ... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Alarm Switch | ... | ... | ... | ... | ... | ... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Handle Operators | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Handle Padlock Attachment | ✓ | ✓ | ... | ... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Trip System Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal-Magnetic | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| Molded Case Switch | ... | ... | ... | ... | ... | ... | ✓ | ✓ | ✓ | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| Dimensions (1P Unit Mount) | Height IN (mm) | 3.13 (79) | | | | | 3.5 (89) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Width IN (mm) | 1.00 (25) | | | | | 0.75 (18) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Depth IN (mm) | 2.98 (76) | | | | | 2.92 (74) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pages (Unit Mount)/(I-LINE) | Page 1-20 | | | | | Pages 1-2, 6-42, 6-43, 8-10, 8-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

▲ HACR on HOM 1-Pole 15-50 A and 2-Pole 15-125 A
 ◆ QO/QOB 1-Pole 10-70 A
 ▼ See Supplemental Digest for 3 phase corner grounded systems.
 ☆ See Supplemental Digest for circuit breakers with IEC ratings.
 ■ Factory installed option only
 ● QOU UL Listed for 60 VDC per pole 80-100 A, 1- and 2-Pole, and 70-100 A, 3-Pole.
 † HACR on QO, QOB 1-Pole 15-70 A, 2-Pole 15-125 A, 3-Pole 15-100 A; QOU 1-Pole and 3-Pole 15-100 A, 2-pole 15-125 A; QOB-VH 1-Pole 15-70 A, 2-Pole 15-125 A, 3-Pole 15-100 A
 ‡ Factory installed accessories are not available on QOB-VH 2-Pole 150 A and 3-Pole 110-150 A
 † GFI Products are rated 60Hz only.
 ★ QYU Supplemental Protectors only.
 ◆ 1 and 2-pole, 10-70 A and 3-pole 10-60 A only.
 † See Page 6-45 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.

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