

Square D brand QO miniature circuit breakers are plug-on products for use in QO load centers, NQOD and NQ panelboards, NQOD and NQ OEM interiors or Speed-D™ switchboard distribution panels. Bolt-on QOB circuit breakers are for use in NQOD and NQ panelboards or interiors. ▲ The Square D exclusive Qwik-Open™ mechanism, with a trip reaction within 1/60th of a second, is standard on all 1P 15 A and 20 A QO circuit breakers.

LOAD CENTERS



Table 1.1: Plug-On Circuit Breakers

Ampere Rating	1P—120/240 Vac		2P—120/240 Vac Common Trip		2P—240 Vac Common Trip		3P—240 Vac Common Trip	
	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price
10 k AIR								
10 A	QO110	29.10	QO210	67.00	—	—	QO310	248.00
15 A	QO115*	29.10	QO215*	67.00	QO215H	200.00	QO315*	248.00
20 A	QO120*	29.10	QO220*	67.00	QO220H	200.00	QO320*	248.00
25 A	QO125*	29.10	QO225*	67.00	QO225H	200.00	QO325*	248.00
30 A	QO130*	29.10	QO230*	67.00	QO230H	200.00	QO330*	248.00
35 A	QO135*	29.10	QO235*	67.00	—	—	QO335*	248.00
40 A	QO140*	29.10	QO240*	67.00	QO240H	200.00	QO340*	248.00
45 A	QO145*	29.10	QO245*	67.00	—	—	QO345*	248.00
50 A	QO150*	29.10	QO250*	67.00	QO250H	200.00	QO350*	248.00
60 A	QO160*	29.10	QO260*	67.00	QO260H	200.00	QO360*	248.00
70 A	QO170*	67.00	QO270*	134.00	QO270H	224.00	QO370*	315.00
80 A	—	—	QO280*	189.00	QO280H	315.00	QO380*	366.00
90 A	—	—	QO290*	189.00	QO290H	315.00	QO390*	366.00
100 A	—	—	QO2100*	189.00	QO2100H	315.00	QO3100*	366.00
110 A	—	—	QO2110*	428.00	—	—	—	—
125 A	—	—	QO2125*	428.00	—	—	—	—
150 A	—	—	QO2150*Δ◇	491.00	—	—	—	—
175 A	—	—	QO2175*Δ◇	491.00	—	—	—	—
200 A	—	—	QO2200*Δ◇	491.00	—	—	—	—
Molded Case Switch 60 A max.—240 Vac			—	—	QO200	70.00	QO300	248.00
Molded Case Switch 100 A max.—240 Vac			—	—	QO2000*	200.00	QO3000*	366.00
22 k AIR*								
15 A	QO115VH	63.00	QO215VH□	146.00	—	—	QO315VH□	371.00
20 A	QO120VH	63.00	QO220VH□	146.00	—	—	QO320VH□	371.00
25 A	QO125VH	73.00	QO225VH□	146.00	—	—	QO325VH□	371.00
30 A	QO130VH	73.00	QO230VH□	146.00	—	—	QO330VH□	371.00
40 A	QO140VH	73.00	QO240VH□	146.00	—	—	QO340VH□	371.00
50 A	QO150VH	73.00	QO250VH□	146.00	—	—	QO350VH□	371.00
60 A	QO160VH	73.00	QO260VH□	146.00	—	—	QO360VH□	371.00
70 A	QO170VH	112.00	QO270VH□	224.00	—	—	QO370VH□	477.00
80 A	—	—	QO280VH□	315.00	—	—	QO380VH□	530.00
90 A	—	—	QO290VH□	315.00	—	—	QO390VH□	530.00
100 A	—	—	QO2100VH□◇	315.00	—	—	QO3100VH□	530.00
110 A	—	—	QO2110VH□◇	1034.00	—	—	—	—
125 A	—	—	QO2125VH□◇	1034.00	—	—	—	—
150 A	—	—	QO2150VHΔ□◇	1061.00	—	—	—	—
175 A	—	—	QO2175VHΔ□◇	1061.00	—	—	—	—
200 A	—	—	QO2200VHΔ□◇	1061.00	—	—	—	—
42 k AIR*								
40 A	—	—	QOH240*	317.00	—	—	—	—
45 A	—	—	QOH245*	317.00	—	—	—	—
50 A	—	—	QOH250*	317.00	—	—	—	—
60 A	—	—	QOH260*	317.00	—	—	—	—
70 A	—	—	QOH270	528.00	—	—	—	—
80 A	—	—	QOH280	651.00	—	—	—	—
90 A	—	—	QOH290	651.00	—	—	—	—
100 A	—	—	QOH2100	651.00	—	—	—	—
110 A	—	—	QOH2110*	1389.00	—	—	—	—
125 A	—	—	QOH2125	1389.00	—	—	—	—
65 k AIR*								
15 A	QH115▼	117.00	QH215	293.00	—	—	QH315*	507.00
20 A	QH120▼	117.00	QH220	293.00	—	—	QH320	507.00
25 A	QH125*	117.00	QH225*	293.00	—	—	QH325*	507.00
30 A	QH130	117.00	QH230	293.00	—	—	QH330	507.00

- ▲ See Digest Section 1 for load centers, and Section 9 for panelboards and interiors.
- 10–30 A circuit breakers are suitable for use with 60°C or 75°C conductors. 35–125 A circuit breakers are suitable for use with 75°C conductors.
- ◆ UL Listed 5 k 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.
- △ Requires four spaces (1 AWG–300 kcmil Al/Cu.) Suitable for switching 120 Vac fluorescent lighting loads.
- UL Listed for use ahead of QO, QO-GFI, QO-EPD, QOT, QO-AFI, and QO-PL 10 k AIR circuit breakers to permit their application at 22 kA fault level.
- ◇ 100 A maximum branch mounted opposite.
- ☆ Order only. Contact your local Field Office.
- ▼ Includes two circuit breakers (one QO2030 and one QO3020) and handle tie QOTHT.
- Not suitable for use in 3Ø panels. Use only in 1Ø panel rated 150 A or greater.

Table 1.2: QO/QOB Ring Terminal

(20% \$ Price Adder)—Factory-installed only

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

Table 1.3: Wire Sizes

Circuit Breaker Type	Ampere Rating	Wire Size (AWG/kcmil)
QO 1P	10–30 A	14–8 Al/Cu
	10–30 A	(2) 14–10 Cu
	35–70 A	8–2 Al/Cu
QO 2P	10–30 A	14–8 Al/Cu
	10–30 A	(2) 14–10 Cu
	35–70 A	8–2 Al/Cu
	80–125 A	4–2/0 Al/Cu
QO 3P	10–30 A	14–8 Al/Cu, (2) 14–10 Cu
	35–70 A	8–2 Al/Cu
QOB-VH	80–125 A	4–2/0 Al/Cu
	110–150 A	4–300 Al/Cu
QOT	15–20 A	12–8 Al 14–8 Cu
QO-AFI, QO-GFI or QO-EPD	15–30 A	12–8 Al 14–8 Cu
	40, 50, 60 A	12–4 Al 14–6 Cu
QO-PL	10–60 A	12–2 Al 14–2 Cu

Table 1.4: QOT Tandem Circuit Breakers

Ampere Rating	Cat. No.*	\$ Price
1P—120/240 Vac		
15 A and 15 A	QOT1515	58.00
15 A and 20 A	QOT1520	58.00
20 A and 20 A	QOT2020	58.00
2P—120/240 Vac Common Trip		

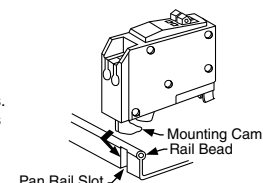
Order two QOT1515 or QOT2020 circuit breakers and handle tie QOTHT for common switching of center two poles.

Table 1.5: Replacement Tandem Circuit Breakers

For use in Old Style Non-Class CTL
QO Load Centers—10 k AIR

Ampere Rating	Cat. No.*	\$ Price
1P—120/240 Vac—1 Space Required		
15 A and 15 A	QO1515	73.00
15 A and 20 A	QO1520	73.00
20 A and 20 A	QO2020	73.00
20 A and 30 A	QO2030	73.00
30 A and 20 A	QO3020	73.00
Two 1P Individual Trip—120/240 Vac—2 Spaces Required		
15 A and 15 A	Order Two QO1515 or QO2020 circuit breakers and handle tie QOTHT	—
15 A and 20 A	—	—
20 A and 20 A	—	—
20 A and 30 A	QO20303020▼	134.00
30 A and 20 A	—	—

QOT Tandem



Current limiting QOT tandem circuit 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 Paragraph 408.15 of the NEC®. UL Listed as Class CTL