

Table 9.20: QOB-GFI, QOB-EPD, and QOB-EPE Circuit Breakers

Ampere Rating ▲	One-pole		Two-pole—Common Trip		Three-pole—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 A	QOB115GFI	248.	QOB215GFI	444.	QOB315GFI	791.		
20 A	QOB120GFI	248.	QOB220GFI	444.	QOB320GFI	791.		
25 A	QOB125GFI	248.	QOB225GFI	444.				
30 A	QOB130GFI	248.	QOB230GFI	444.	QOB330GFI	791.		
40 A	—	—	QOB240GFI	444.	QOB340GFI	791.		
50 A	—	—	QOB250GFI	444.	QOB350GFI	791.		
60 A	—	—	QOB260GFI	444.	—	—		
QOB-VHGF ★								
120 Vac—22 k AIR								
15 A	QOB115VHGF	497.						
20 A	QOB120VHGF	497.						
25 A	QOB125VHGF	497.						
30 A	QOB130VHGF	497.						
QOB-EPD—QOB Equipment protection circuit breakers with UL Listed 30 mA (EPD) or 100 mA (EPE) equipment protection.								
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR			
15 A	QOB115EPD	417.	QOB215EPD	671.	QOB315EPD	1077.	QOB315EPE	1077.
20 A	QOB120EPD	417.	QOB220EPD	671.	QOB320EPD	1077.	QOB320EPE	1077.
25 A	QOB125EPD	417.	QOB225EPD	671.				
30 A	QOB130EPD	417.	QOB230EPD	671.	QOB330EPD	1077.	QOB330EPE	1077.
40 A	—	—	QOB240EPD	671.	QOB340EPD	1077.	QOB340EPE	1077.
50 A	—	—	QOB250EPD	671.	QOB350EPD	1077.	QOB350EPE	1077.
60 A	—	—	QOB260EPD	671.	—	—		
QOB-VHEPD								
120 Vac—22 k AIR								
15 A	QOB115VHEPD	772.						
20 A	QOB120VHEPD	772.						
25 A	QOB125VHEPD	772.						
30 A	QOB130VHEPD	772.						
QOB-HM—High magnetic trip circuit breakers								
15 A	QOB115HM	39.80						
20 A	QOB120HM	—						
QOB-K—Key-operated QOB circuit breakers ▲								
	120 Vac—10 k AIR							
10 A	QOB110K	168.						
15 A	QOB115K	168.						
20 A	QOB120K	168.						
25 A	QOB125K	168.						
30 A	QOB130K	168.						

(Footnotes for Tables 9.20, 9.21, and 9.22)

- ▲ 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 RESET with a special key (Catalog No. QOQ10) 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 the tables starting on Digest page 1–2.
- ◆ See note in Instruction Bulletin when using in an enclosure with a QO403 or QON prefix.

Table 9.23: QO/QOB Circuit Breaker Wire Sizes

Breaker Type	Ampere Rating ⊙	Wire Size (AWG)	
		Al	Cu
QOB 1-pole	10–30 A	#14–8	#14–8
	10–30 A	—	two #14–10
	35–70 A	#8–2	#8–2
QOB 2-pole	10–30 A	#14–8	#14–8
	10–30 A	—	two #14–10
	35–70 A	#8–2	#8–2
	80–125 A	#4–2/0	#4–2/0
	150–200 A	#4–300 kcmil	#4–300 kcmil
QOB 3-pole	10–30 A	#14–8	#14–8
	35–70 A	#8–2	#8–2
	80–125 A	#4–2/0	#4–2/0
QOB-VH	110–150 A	#4–300 kcmil	#4–300 kcmil
QOB-GFI and QOB-EPD	15–30 A	#12–8	#14–8
	40, 50, or 60 A	#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 9.21: 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		120/240 Vac—10 k AIR		240 Vac—10 k AIR		240 Vac—10 k AIR	
	48 Vdc—5 k AIR		48 Vdc—5 k AIR ▼		48 Vdc—5 k AIR ▼		48 Vdc—5 k AIR ▼	
10 A	QOB110	39.80	QOB210	89.	—	—	QOB310	293.
15 A	QOB115 ▼	39.80	QOB215 ★	89.	QOB215H	240.	QOB315 ★	293.
20 A	QOB120 ★ ▼	39.80	QOB220 ★	89.	QOB220H	240.	QOB320 ★	293.
25 A	QOB125 ★	39.80	QOB225 ★	89.	QOB225H	240.	QOB325 ★	293.
30 A	QOB130 ★	39.80	QOB230 ★	89.	QOB230H	240.	QOB330 ★	293.
35 A	QOB135 ★	39.80	QOB235 ★	89.	—	—	QOB335 ★	293.
40 A	QOB140 ★	39.80	QOB240 ★	89.	QOB240H	240.	QOB340 ★	293.
45 A	QOB145 ★	39.80	QOB245 ★	89.	—	—	QOB345 ★	293.
50 A	QOB150 ★	39.80	QOB250 ★	89.	QOB250H	240.	QOB350 ★	293.
60 A	QOB160 ★	39.80	QOB260 ★	89.	QOB260H	240.	QOB360 ★	293.
70 A	QOB170 ★	78.	QOB270 ★	168.	QOB270H	308.	QOB370 ★ ▼	369.
80 A	—	—	QOB280 ★ ▼	240.	QOB280H	366.	QOB380 ★ ▼	419.
90 A	—	—	QOB290 ★ ▼	240.	QOB290H	366.	QOB390 ★ ▼	419.
100 A	—	—	QOB2100 ★ ▼	240.	QOB2100H	366.	QOB3100 ★ ▼	419.
110 A	—	—	QOB2110 ★ ▼	501.	—	—	—	—
125 A	—	—	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 9.22: 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 k AIR		120/240 Vac—22 k AIR		240 Vac—22 k AIR	
15 A	QOB115VH ★ ▼	72.	QOB215VH ★	171.	QOB315VH ★	440.
20 A	QOB120VH ★ ▼	72.	QOB220VH ★	171.	QOB320VH ★	440.
25 A	QOB125VH ★	72.	QOB225VH ★	171.	QOB325VH ★	440.
30 A	QOB130VH ★	72.	QOB230VH ★	171.	QOB330VH ★	440.
40 A	QOB140VH	86.	QOB240VH ★	171.	QOB340VH ★	440.
50 A	QOB150VH	86.	QOB250VH ★	171.	QOB350VH ★	440.
60 A	QOB160VH	86.	QOB260VH ★	171.	QOB360VH ★	440.
70 A	QOB170VH	137.	QOB270VH ★	273.	QOB370VH ★	560.
80 A	—	—	QOB280VH ★	384.	QOB380VH ★	629.
90 A	—	—	QOB290VH ★	384.	QOB390VH ★	629.
100 A	—	—	QOB2100VH ★	384.	QOB3100VH ★	629.
110 A	—	—	QOB2110VH ★	1110.	QOB3110VH ⊙	1809.
125 A	—	—	QOB2125VH ★	1110.	QOB3125VH ⊙	1809.
150 A	—	—	QOB2150VH ⊙	1223.	QOB3150VH ⊙	1809.
QHB						
	120 Vac—65 k AIR		120 Vac/240 Vac—65 k AIR		240 Vac—65 k AIR	
15 A	QHB115 ★ ▼	122.	QHB215 ★	342.	QHB315 ★	596.
20 A	QHB120 ★ ▼	122.	QHB220 ★	342.	QHB320 ★	596.
25 A	QHB125 ★	122.	QHB225 ★	342.	QHB325 ★	596.
30 A	QHB130 ★	122.	QHB230 ★	342.	QHB330 ★	596.
QOB-HID—HID circuit breakers □						
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR	
15 A	QOB115HID ▼	49.50	QOB215HID	108.	QOB315HID	327.
20 A	QOB120HID ▼	49.50	QOB220HID	108.	QOB320HID	327.
25 A	QOB125HID	49.50	QOB225HID	108.	QOB325HID	327.
30 A	QOB130HID	49.50	QOB230HID	108.	QOB330HID	327.
40 A	QOB140HID	49.50	QOB240HID	108.	—	—
50 A	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 A	—	—	QOB210SWN	116.	QOB310SWN	170.
15 A	—	—	QOB215SWN	116.	QOB315SWN	170.
20 A	—	—	QOB220SWN	116.	QOB320SWN	170.
25 A	—	—	QOB225SWN	116.	QOB325SWN	170.
30 A	—	—	QOB230SWN	116.	QOB330SWN	170.
40 A	—	—	QOB240SWN	116.	QOB340SWN	170.
50 A	—	—	QOB250SWN	116.	QOB350SWN	170.

Table 9.24: 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 A	QOB115CAFI	306.	QOB115VHCAFI	612.
	20 A	QOB120CAFI	306.	QOB120VHCAFI	612.

Note: See Digest 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 (for example, QO115CAFI) or combination protection (for example, 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.