

Table 9.19: 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
<b>QOB-GFI—QOB Qwik-Gard™ Circuit Breaker With Ground Fault Circuit Interrupter—UL Class A 4–6 mA People Protection. ■</b>								
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		208Y/120 Vac—10 k AIR			
15 A	QOB115GFI		QOB215GFI		QOB315GFI			
20 A	QOB120GFI		QOB220GFI		QOB320GFI			
25 A	QOB125GFI		QOB225GFI		—			
30 A	QOB130GFI		QOB230GFI		QOB330GFI			
40 A	—	—	QOB240GFI		QOB340GFI			
50 A	—	—	QOB250GFI		QOB350GFI			
60 A	—	—	QOB260GFI ♦		—			
<b>QOB-VHGF1 ★</b>								
	120 Vac—22 k AIR							
15 A	QOB115VHGF							
20 A	QOB120VHGF							
25 A	QOB125VHGF							
30 A	QOB130VHGF							
<b>QOB-EPD—QOB Equipment protection circuit breakers with UL Listed 30 mA (EPD) or 100 mA (EPE) equipment protection.</b>								
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR			
15 A	QOB115EPD		QOB215EPD		QOB315EPD ♦		QOB315EPE ♦	
20 A	QOB120EPD		QOB220EPD		QOB320EPD ♦		QOB320EPE	
25 A	QOB125EPD		QOB225EPD		—		—	
30 A	QOB130EPD		QOB230EPD		QOB330EPD ♦		QOB330EPE ♦	
40 A	—	—	QOB240EPD		QOB340EPD ♦		QOB340EPE ♦	
50 A	—	—	QOB250EPD		QOB350EPD ♦		QOB350EPE ♦	
60 A	—	—	QOB260EPD		—		—	
<b>QOB-HM—High magnetic trip circuit breakers</b>								
15 A	QOB115HM ▼							
20 A	QOB120HM ▼							
<b>QOB-K—Key operated QOB circuit breakers △</b>								
	120 Vac—10 k AIR							
10 A	QOB110K							
15 A	QOB115K							
20 A	QOB120K							
25 A	QOB125K							
30 A	QOB130K							

(Footnotes for Tables 9.19, 9.20, and 9.21)

- ▲ 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. 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 the tables starting on Digest page 1–2.
- ◆ See note in Instruction Bulletin when using in an enclosure with a QO403 or QON refiv

Table 9.20: 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
<b>QOB Bolt-On</b>								
	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 A	QOB110		QOB210		—	—	QOB310	
15 A	QOB115 ★ ▼		QOB215 ★		QOB215H		QOB315 ★	
20 A	QOB120 ★ ▼		QOB220 ★		QOB220H		QOB320 ★	
25 A	QOB125 ★		QOB225 ★		QOB225H		QOB325 ★	
30 A	QOB130 ★		QOB230 ★		QOB230H		QOB330 ★	
35 A	QOB135 ★		QOB235 ★		—		QOB335 ★	
40 A	QOB140 ★		QOB240 ★		QOB240H		QOB340 ★	
45 A	QOB145 ★		QOB245 ★		—		QOB345 ★	
50 A	QOB150 ★		QOB250 ★		QOB250H		QOB350 ★	
60 A	QOB160 ★		QOB260 ★		QOB260H		QOB360 ★	
70 A	QOB170 ★		QOB270 ★		QOB270H		QOB370 ★ ▼	
80 A	—	—	QOB280 ★ ▼		QOB280H		QOB380 ★ ▼	
90 A	—	—	QOB290 ★ ▼		QOB290H		QOB390 ★ ▼	
100 A	—	—	QOB2100 ★ ▼		QOB2100H		QOB3100 ★ ▼	
110 A	—	—	QOB2110 ★ ▼		—	—	—	
125 A	—	—	QOB2125 ★ ▼		—	—	—	
Molded Case Switch 80 A max—240 Vac			QOB200		—	—	QOB300	
Molded Case Switch 100 A max—240 Vac			QOB2000		—	—	QOB3000	

Table 9.21: 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
<b>QOB-VH</b>						
	120 Vac—22 k AIR		120/240 Vac—22 k AIR		240 Vac—22 k AIR	
15 A	QOB115VH ★ ▼		QOB215VH ★		QOB315VH ★	
20 A	QOB120VH ★ ▼		QOB220VH ★		QOB320VH ★	
25 A	QOB125VH ★		QOB225VH ★		QOB325VH ★	
30 A	QOB130VH ★		QOB230VH ★		QOB330VH ★	
40 A	—	—	QOB240VH ★		QOB340VH ★	
50 A	—	—	QOB250VH ★		QOB350VH ★	
60 A	—	—	QOB260VH ★		QOB360VH ★	
70 A	—	—	QOB270VH ★		QOB370VH ★	
80 A	—	—	QOB280VH ★		QOB380VH ★	
90 A	—	—	QOB290VH ★		QOB390VH ★	
100 A	—	—	QOB2100VH ★		QOB3100VH ★	
110 A	—	—	QOB2110VH ★		QOB3110VH ○	
125 A	—	—	QOB2125VH ★		QOB3125VH ○	
150 A	—	—	QOB2150VH ○		QOB3150VH ○	
<b>QHB</b>						
	120 Vac—65 k AIR		120 Vac/240 Vac—65 k AIR		240 Vac—65 k AIR	
15 A	QHB115 ★ ▼		QHB215 ★		QHB315 ★	
20 A	QHB120 ★ ▼		QHB220 ★		QHB320 ★	
25 A	QHB125 ★		QHB225 ★		QHB325 ★	
30 A	QHB130 ★		QHB230 ★		QHB330 ★	
<b>QOB-HID—HID circuit breakers □</b>						
	120 Vac—10 k AIR		120/240 Vac—10 k AIR		240 Vac—10 k AIR	
15 A	QOB115HID ▼		QOB215HID		QOB315HID	
20 A	QOB120HID ▼		QOB220HID		QOB320HID	
25 A	QOB125HID		QOB225HID		QOB325HID	
30 A	QOB130HID		QOB230HID		QOB330HID	
40 A	QOB140HID		QOB240HID		—	
50 A	QOB150HID		QOB250HID		—	
<b>QOB-SWN—Switch Neutral—Common Trip—NEC 514.11</b>						
			1-pole—2-Wire 2 Spaces—120 Vac		2-pole—3-Wire 3 Spaces—120/240 Vac	
10 A	—	—	QOB210SWN		QOB310SWN	
15 A	—	—	QOB215SWN		QOB315SWN	
20 A	—	—	QOB220SWN		QOB320SWN	
25 A	—	—	QOB225SWN		QOB325SWN	
30 A	—	—	QOB230SWN		QOB330SWN	
40 A	—	—	QOB240SWN		QOB340SWN	
50 A	—	—	QOB250SWN		QOB350SWN	

Table 9.22: QO/QOB Circuit Breaker Wire Sizes

Breaker Type	Ampere Rating <sup>ⓐ</sup>	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
QOT	15-20 A	#12-8	#14-8
QOB-GFI and QOB-EPD	15-30 A	#12-8	#14-8
	40, 50, or 60 A	#12-4	#14-6

<sup>ⓐ</sup> 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 9.23: QO™ Arc-Fault Circuit Breakers <sup>ⓐ</sup>

Circuit Breaker Type	Ampere Rating <sup>ⓐ</sup>	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		QOB115VHCAFI	
	20 A	QOB120CAFI		QOB120VHCAFI	

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, QO115AFI) 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.