

Schneider's thermal-magnetic QO miniature plug-on circuit breakers are designed for reliable overload and short-circuit protection in residential and light commercial systems. They feature the QO® Visi-Trip indicator for easy identification of tripped circuits and are widely used in load centers for lighting, HVAC, and general branch circuit protection. Available in 10–125A ratings with 1–3 pole options and 120/240 VAC configurations.

Standard Plug-On Circuit Breakers

QO premium plug-on circuit breakers are designed for QO/QON load centers, NQ panelboards, NQ OEM interiors or switchboard distribution systems. With the Qwik-Open™ mechanism feature for rapid trip response (within 1/60 second) and interrupting ratings up to 10kA, 22kA, 42kA, and 65kA AIR, these breakers deliver dependable overload and short-circuit protection.

They are available in 1-, 2-, and 3-pole configurations with ratings from approximately 10A to 200A and 120/240 VAC or 240 VAC applications. UL listed for multiple applications, including HACR (HVAC systems) and SWD (switching duty for lighting loads), with options suitable for higher fault current ratings when used in series applications. These circuit breakers are ideal for residential, commercial, and light industrial branch circuit protection, including lighting, HVAC, and general power distribution.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.



Table 1.1: Standard QO Plug-On Circuit Breakers

Amperes Rating [1]	1P—120/240 Vac	2P—120/240 Vac Common Trip	2P—240 Vac [2] Common Trip	3P—240 Vac Common Trip
10 k AIR				
10 A	QO110	QO210	—	QO310
15 A	QO115 [3] [4]	QO215 [3]	QO215H	QO315 [3]
20 A	QO120 [3] [4]	QO220 [3]	QO220H	QO320 [3]
25 A	QO125 [3]	QO225 [3]	QO225H OBS	QO325 [3]
30 A	QO130 [3]	QO230 [3]	QO230H	QO330 [3]
35 A	QO135 [3]	QO235 [3]	—	QO335 [3]
40 A	QO140 [3]	QO240 [3]	QO240H	QO340 [3]
45 A	QO145 OBS	QO245 [3]	—	QO345 [3]
50 A	QO150 [3]	QO250 [3]	QO250H OBS	QO350 [3]
60 A	QO160 [3]	QO260 [3]	QO260H OBS	QO360 [3]
70 A	QO170 [3]	QO270 [3]	QO270H OBS	QO370 [3]
80 A	—	QO280 [3]	QO280H OBS	QO380 [3]
90 A	—	QO290 [3]	QO290H OBS	QO390 [3]
100 A	—	QO2100 [3]	QO2100H	QO3100 [3]
110 A	—	QO2110 [3]	—	—
125 A	—	QO2125 [3]	—	—
150 A	—	QO2150 [3] [5] [6]	—	—
175 A	—	QO2175 [3] [5] [6]	—	—
200 A	—	QO2200 [3] [5] [6]	—	—
Molded Case Switch 60 A max.—240 Vac		—	QO200	QO300 OBS
22 k AIR [3]				
15 A	QO115VH [4]	QO215VH [7]	—	QO315VH [7]
20 A	QO120VH [4]	QO220VH [7]	—	QO320VH [7]
25 A	—	QO225VH [7]	—	QO325VH [7]
30 A	QO130VH	QO230VH [7]	—	QO330VH [7]
40 A	QO140VH	QO240VH [7]	—	QO340VH [7]
50 A	—	QO250VH [7]	—	QO350VH [7]
60 A	QO160VH	QO260VH [7]	—	QO360VH [7]
70 A	—	QO270VH [7]	—	QO370VH [7]
80 A	—	QO280VH [7]	—	QO380VH [7]
90 A	—	QO290VH [7]	—	QO390VH [7]
100 A	—	QO2100VH [7] [8]	—	QO3100VH [7]
110 A	—	QO2110VH [7] [8]	—	—
125 A	—	QO2125VH [7] [8]	—	—
150 A	—	QO2150VH [5] [7] [6]	—	—
175 A	—	QO2175VH OBS	—	—
200 A	—	QO2200VH [5] [7] [6]	—	—
42 k AIR [3]				
40 A	—	QOH240 OBS	—	—
45 A	—	QOH245 OBS	—	—
50 A	—	QOH250 OBS	—	—
60 A	—	QOH260 [9]	—	—
70 A	—	QOH270	—	—
80 A	—	QOH280	—	—
90 A	—	QOH290	—	—
100 A	—	QOH2100	—	—

[1] 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.

[2] UL Listed 5 k AIR on corner grounded Delta systems.

[3] 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.

[4] UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.

[5] Requires four spaces (1 AWG–300 kcmil Al/Cu.) Suitable for switching 120 Vac fluorescent lighting loads.

[6] Not suitable for use in three-phase panels. Use only in single-phase panel rated 150 A or greater.

[7] 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.

[8] 100 A maximum branch mounted opposite.

[9] Order only. Contact your local Field Office.

Table 1.1 Standard QO Plug-On Circuit Breakers (cont'd.)

Ampere Rating [10]	1P—120/240 Vac	2P—120/240 Vac Common Trip	2P—240 Vac [11] Common Trip	3P—240 Vac Common Trip
110 A	—	QOH2110 [12]	—	—
125 A	—	QOH2125	—	—
65 k AIR [13]				
15 A	QH115 OBS	QH215 OBS	—	QH315 OBS
20 A	QH120 [14]	QH220	—	QH320 OBS
25 A	QH125 OBS	QH225 OBS	—	QH325 [12]
30 A	QH130 OBS	QH230	—	QH330 OBS

OBS This product is obsolete.

Refer to Digest Section 7, QO Miniature Circuit Breakers, for interrupting ratings, accessories, and dimensions.

For warranty information, see [Schneider Home System Warranty Data Bulletin, 0102DB2301](#).

Table 1.2: QO/QOB 48 Vdc 5 kA

Ampere Rating	Poles	Suffix
10–60 A	2	5272

QO and QOB (QO Bolt-on) ring terminals provide secure, reliable electrical connections for Square D™ circuit breaker systems. QO ring terminals are designed for plug-on QO breakers used in QO load centers, delivering durable, vibration-resistant connections suited for residential and light commercial applications. QOB ring terminals designed for bolt-on QOB breakers, offering strong, permanent connections with robust conductivity and mechanical strength, making them ideal for commercial and industrial environments.

Ring Terminals

The QO and QOB ring terminals provide secure electrical connections for Square D™ circuit breaker systems across a range of amperages and pole configurations. QO ring terminals spans common amp ratings from about 15A up to 125A in single-, two-, and three-pole applications. QOB ring terminals accommodates higher ampere ratings from 15A up to 225A or higher across multiple pole configurations.

For additional information, refer to document number [0730CT9801](#) and [QO and QOB Circuit Breakers](#) online.

Table 1.3: QO/QOB Ring Terminal—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	

The following information provides a structured view of the relationship between ampere rating, compatible wire sizes, and pole configurations for QO/QOB circuit breakers, ensuring safe, code-compliant installation across single- and three-phase applications.

Wire Sizes for QO/QOB Circuit Breakers

For additional information, refer to document number [0730CT9801](#) and [QO and QOB Circuit Breakers](#) online.

Table 1.4: Wire Sizes for QO/QOB Circuit Breakers

Circuit Breaker Type	Ampere Rating [10]	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
	150–200 A	4–300 Al/Cu
QO 3P	10–30 A	14–8 Al/Cu, (2) 14–10 Cu
	35–70 A	8–2 Al/Cu
	80–125 A	4–2/0 Al/Cu
QOB-VH	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

[10] 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.

[11] UL Listed 5 k AIR on corner grounded Delta systems.

[12] Order only. Contact your local Field Office.

[13] 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.

[14] UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.

This information covers the torque value requirements for the wire binding screws and clamp plates for QO and QOB circuit breakers.

Torque Values for QO/QOB Circuit Breakers

NOTE: Always follow the product markings and information in the product data sheets.

For additional information, refer to document number **0730CT9801** and **QO and QOB Circuit Breakers** online.

Table 1.5: QO/QOB Circuit Breakers Torque Values

Type	Description	Torque Value lb.-in. (N-m)
QO/QOB	10 – 30 A, 1, 2, and 3 pole	36 (4)
QO/QOB	35 – 70 A, 1 and 2 pole and 40 – 60 A, 3 pole	45 (5)
QO/QOB-VH, QOH	40 – 125 A, 2 pole	50 (5.6)
QO/QOB-VH	40 – 100 A, 3 pole	50 (5.6)
QO/QOB	70 – 100 A, 3 pole	50 (5.6)
QO/QOB-H	40 – 100 A, 2 pole	50 (5.6)
QO/QOB	80 – 125 A, 2 pole	50 (5.6)
QO/QO-VH	150 – 200 A, 2 pole	250 (28.3)
QOB-VH	150 A, 2 and 3 pole	250 (28.3)
QO Tandem	(Ex: QO2020, QOT1515...)	25 (2.8)

Schneider Electric's QOT and QO tandem circuit breakers provide space-saving circuit protection solutions for residential load centers. Designed to fit two circuits into a single panel space, these breakers are ideal for maximizing capacity in existing electrical panels.

Tandem Circuit Breakers — QOT/QO

With 120/240 VAC ratings and ampere options from 15 A to 30 A, QOT and QO tandem circuit breakers provide a reliable, UL-listed solution for maximizing panel capacity while maintaining safety and installation flexibility.

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 408.54 of the NEC®. UL Listed as Class CTL.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.



QOT 1P Tandem
1 Space Required

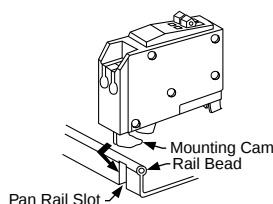


Table 1.6: QOT Tandem Circuit Breakers (CTL)—Not Compatible with Plug-on Neutral Systems

Ampere Rating [15]	Cat. No. [16]
1P—120/240 Vac	
15 A and 15 A	QOT1515
15 A and 20 A	QOT1520
20 A and 20 A	QOT2020
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 1.7: QO Tandem Circuit Breakers (non-CTL)—Compatible with Plug-on Neutral Systems

Ampere Rating [15]	Cat. No. [16]
1P—120/240 Vac—1 Space Required	
15 A and 15 A	QO1515
15 A and 20 A	QO1520
20 A and 20 A	QO2020
20 A and 30 A	QO2030
30 A and 20 A	QO3020
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	
30 A and 20 A	QO20303020 [17]
	—

NOTE: The torque values for these products can be found at www.se.com

[15] 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.

[16] 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.

[17] Includes two circuit breakers (one QO2030 and one QO3020) and handle tie QOTHT.

1P
QO-GFI2P
QO-GFI

QO Qwik-Gard™ ground-fault Interrupter (QO-GFI) circuit breakers provide overload and short circuit protection, combined with Class A ground fault protection in a single device. Class A denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 mA or more, ensuring people protection in residential and light commercial systems.

Ground-Fault Circuit Breakers (QO-GFI)

Qwik-Gard™ GFI circuit breakers offer precise protection with clearly defined electrical ratings, including 15–60 A capacity, up to 22 kA interrupting ratings, and multiple pole/voltage configurations. With UL-recognized safety performance, Class A 6 mA protection, and flexible installation options, they are a reliable, code-compliant solution for protecting people and circuits in modern electrical systems.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

NOTE: Do not connect to more than 250 feet of load conductor for the total one-way run to prevent nuisance tripping.

Table 1.8: QO-GFI Circuit Breakers

Circuit Breaker Type	Ampere Rating [18]	Qwik-Gard Circuit Breakers With Ground Fault Circuit Interrupter			
		1P 120 Vac		2P Common Trip 120/240 Vac	3P Common Trip 208Y/120 Vac
		10 k AIR 1 Space Required	22 k AIR 1 Space Required	10 k AIR 2 Spaces Required	10 k AIR 3 Spaces Required
Ground-Fault Circuit Interrupter (Pigtail Neutral)	15	QO115GFI	QO115VHGFI	QO215GFI	QO315GFI
	20	QO120GFI	QO120VHGFI	QO220GFI	QO320GFI
	25	—	—	QO225GFI	—
	30	QO130GFI	—	QO230GFI	QO330GFI
	35	—	—	QO235GFI	—
	40	—	—	QO240GFI	QO340GFI
	45	—	—	QO245GFI	—
	50	—	—	QO250GFI	QO350GFI
	60	—	—	QO260GFI [19]	—
Plug-On Neutral Ground-Fault Circuit Interrupter	15	QO115PGFI[20]	—	—	—
	20	QO120PGFI[20]	—	—	—

QO Arc-Fault Circuit Breakers (QO-CAFI) provide advanced protection against series and parallel arc faults, helping prevent electrical fires and ensuring compliance with National Electrical Code (NEC) requirements. These breakers are UL 1699 listed and engineered for dependable performance in residential and light commercial systems.

Arc-Fault Circuit Breakers (QO-CAFI)

The QO-CAFI circuit breakers deliver flexible configuration options (pigtail vs. plug-on neutral) combined with standard 15 A and 20 A ratings, multiple pole/voltage choices, and varying interrupt capacities, making it a versatile solution for modern code-compliant arc-fault protection.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

Table 1.9: QO-CAFI Circuit Breakers

Circuit Breaker Type [21]	Ampere Rating	One-Pole 120 Vac		Two-Pole 120/240 Vac
		10 k AIR 1 Space Required	22 k AIR 1 Space Required	10 k AIR 2 Space Required
Combination Arc-fault Interrupter (Pigtail Neutral)	15 20	QO115CAFI QO120CAFI	QO115VHCAFI QO120VHCAFI	QO215CAFI[22] QO220CAFI [22]
Plug-On Neutral Combination Arc-fault Interrupter	15 20	QO115PAF QO120PAF	QO115VHPAF QO120VHPAF	—

[18] 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.

[19] Suitable only for feeding 240 Vac and 208 Vac two-wire loads. Does not contain load neutral connection.

[20] New Plug-On Neutral

[21] 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.

[22] For 120/240 V only, not for 208Y/120 V.



Schneider Electric's QO Dual Function (QO-DF) Circuit Breakers combine arc-fault (AFCI) and ground-fault (GFCI) protection in a single device, delivering comprehensive electrical safety along with standard overload and short-circuit protection. These circuit breakers are compliant with NEC, UL1699 and UL943 requirements, and are suitable for residential and light commercial applications.

Dual Function Circuit Breakers (QO-DF)

The QO-DF circuit breakers offers a compact, code-compliant solution with 15–20 A ratings, 10 kA to 22 kA interrupting capacity, and multiple connection configurations such as pigtail or plug-on neutral. They are ideal for modern load centers requiring dual protection and simplified installation.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

Table 1.10: QO-DF Circuit Breakers

Circuit Breaker Type [23]	Ampere Rating	1P 120 Vac 10 k AIR 1 Space Required	1P 120 Vac 22 k AIR 1 Space Required
Combination Arc-fault and Ground Fault Circuit Interrupter (Pigtail Neutral)	15 20	QO115DF QO120DF	— QO120VHDF
Plug-On Neutral Combination Arc-fault and Ground Fault Circuit Interrupter	15 20	QO115PAFGF QO120PAFGF	QO115VHPAFGF QO120VHPAFGF

QO-EPD and QO-EPE circuit breakers combine overload, short-circuit, and ground-fault protection for equipment (GFPE) in a compact, panelboard-ready design. They provide 30 mA (EPD) or 100 mA (EPE) ground-fault trip sensitivity to help protect electrical equipment from damage due to leakage currents. These breakers are UL Listed and ideal for commercial and industrial applications where equipment-level ground-fault protection is required.

Equipment Protection Device (QO-EPD/EPE)

QO-EPD/EPE circuit breakers support a 15–60 A range and multiple standard ampere increments for precise circuit sizing. They support both 1-pole (120 Vac) and 2-pole common-trip (120/240 Vac) configurations, fitting a wide range of panel applications. All models feature a consistent 10 kA interrupting rating and options for standard and 2-wire load configurations to meet a wide range of electrical system requirements.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

NOTE: These circuit breakers are not intended for personnel shock protection.

Table 1.11: QO-EPD/EPE Circuit Breakers

Ampere Rating [24]	1P 120 Vac 10 k AIR 1 Space Required	2P Common Trip 120/240 Vac 10 k AIR 2 Spaces Required	
15	QO115EPD	QO215EPD	QO315EPE [25]
20	QO120EPD	QO220EPD	QO320EPE [25]
25	QO125EPD OBS	QO225EPD	—
30	QO130EPD	QO230EPD	QO330EPE [25]
40	—	QO240EPD	QO340EPE [25]
50	—	QO250EPD	QO350EPE [25]
60	—	QO260EPD [26]	—

OBS This product is obsolete.



Schneider Electric's QO-SWN series circuit breakers are designed for switch-neutral, common trip applications in accordance with 2008 NEC® 514.11 requirements. These breakers simultaneously disconnect both the ungrounded (hot) and grounded (neutral) conductors, improving safety and compliance. They are commonly applied in fuel dispensing systems, commercial equipment circuits, and other installations requiring neutral isolation.

Switch Neutral Common Trip Circuit Breakers (QO-SWN)

The QO-SWN circuit breakers provides a compact, reliable solution for switch-neutral protection that combines moderate ampere ratings (15–20 A) with a 10 kA interrupt capacity in a 2-space configuration. Its common-trip design ensures both conductors are disconnected simultaneously, making it ideal for code-compliant, safety-critical circuits.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

Table 1.12: QO-SWN Circuit Breakers

Ampere Rating [24]	2 Wire 120 Vac 10 k AIR 2 Spaces Required
15	QO215SWN
20	QO220SWN

[23] 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.

[24] 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.

[25] See note in Instruction Bulletin when using in an enclosure with a QO403 or QON prefix.

[26] Suitable only for feeding 240 Vac and 208 Vac two-wire loads. Does not contain load neutral connection.



QO320HID

QO® High Intensity Discharge circuit breakers are designed for circuits supplying fluorescent and high-intensity discharge (HID) lighting systems, including mercury vapor, metal halide, and high-pressure sodium lighting. These breakers provide reliable overcurrent protection and are fully interchangeable with standard QO circuit breakers, allowing easy integration into existing panels.

High Intensity Discharge Circuit Breakers (QO-HID)

QO-HID circuit breakers combine specific voltage (120/240–240 VAC), amperage (10–125 A), and 10 kA interrupting ratings to deliver safe, reliable protection for high-inrush lighting loads. Their UL listing, NEC compliance, and pole configurations (1-, 2-, and 3-pole) with common trip functionality make them ideal for demanding commercial and industrial lighting systems.

For additional information, refer to document number [0730CT9801](#) and [QO Circuit Breakers](#) online.

Table 1.13: QO-HID Circuit Breakers

Ampere Rating [27]	1P 120/240 Vac 10 k AIR	2P Common Trip 120/240 Vac 10 k AIR	3P Common Trip 240 Vac 10 k AIR
20	—	QO220HID	QO320HID

Schneider Electric QO High Magnetic Trip Circuit Breakers (QO-HM) are 120 Vac, 1-pole protective devices engineered for circuits with high inrush currents. Their high magnetic trip characteristic prevents nuisance tripping while maintaining fast fault protection. They are designed for reliable performance in commercial and residential distribution systems.

High Magnetic Trip Circuit Breakers (QO-HM)

QO-HM circuit breakers combine high magnetic trip performance with robust UL certifications, making them ideal for demanding applications involving lighting, HVAC, and motor loads. Their HACR and SWD classifications confirm suitability for both motor circuits and frequent switching duties, while the 10 kA interrupting rating ensures reliable fault protection in standard 120 Vac systems. They are available in 15 A and 20 A ratings.

For additional information, refer to document number [0730CT9801](#) and [QO Circuit Breakers](#) online.

Table 1.14: QO-HM Circuit Breakers

120 Vac—10 k AIR	
Ampere Rating [27]	1P
15 A	QO115HM [28] [29]
20 A	QO120HM [28] [29]

Schneider Electric's QO non-automatic miniature switches are compact switching devices designed with the same breaker-style package as miniature circuit breakers, but open circuits only when toggled to the OFF position. Non-automatic switches are UL Listed per UL 1087 and are CSA certified.

Non-Automatic (Standard) Miniature Switches (QO)

These QO non-automatic miniature switches provide a compact, panel-integrated manual switching solution with defined 60 A / 240 V / 10 kA ratings and 2P–3P configurations. They are best suited for isolation and control applications.

For additional information, refer to document number [0730CT9801](#) and [QO Circuit Breakers](#) online.

NOTE: QO Non-automatic switches provide no overcurrent protection or short circuit protection. They must not be used on systems that have an available fault current greater than the values listed in the table.

Table 1.15: QO Non-Automatic Miniature Switches, 240 Vac 10 kA

Ampere Rating	2P	3P
60	QO200	QO300 OBS

OBS This product is obsolete.

[27] 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.

[28] 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.

[29] UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.

QO and QOB accessories are UL Listed and certified. They are designed for use with QO™ and QOB miniature circuit breakers, providing enhanced safety, control, and installation flexibility. Accessories such as handle ties, handle clamps, padlock devices, sub-feed lugs, and mechanical interlocks, are all engineered for seamless integration with Schneider Electric load centers and panelboards.

Accessories for QO/QOB Circuit Breakers

These accessories support a wide range of applications, including converting single-pole breakers to multi-pole configurations, securing breakers in ON/OFF positions, enabling lockout/tagout compliance, and preventing simultaneous energization of multiple power sources. The supported range of configurations are 1-, 2-, and 3-pole applications, and are suitable for standard, GFI, CAFI, DF, and EPD breaker types.

For additional information, refer to document number **0730CT9801** and **QO Circuit Breakers** online.

Table 1.16: Accessories for use with QO and QOB Miniature Circuit Breakers

Description		Cat. No.	Schedule
Handle Attachments			
Handle Tie	Converts any two adjacent 120/240 Vac 1P QO circuit breakers to independent trip 2P	QO1HT	DE2E
	Converts any two adjacent 120/240 Vac 1P side-by-side QOT circuit breakers to independent trip 2P	QO1HT QO3HT	DE2E
Handle Clamp	Clamp for holding QO 1P handle in ON or OFF position	QO1LO	DE2E
	Clamp for holding QO or Q1 either 1P, 2P or 3P circuit breaker handles in ON or OFF position	HLO1	DE2E
Handle Padlock Attachment for Padlocking in ON or OFF position	For padlocking 1P QO circuit breaker in ON or OFF position Loose attachment	QOHPPL	DE2E
	For padlocking 1P side-by-side QOT circuit breaker in ON or OFF position	QOHPPL	DE2E
	For padlocking 2P QO-GFI circuit breakers in either ON or OFF position, fixed attachment.[30]	QOHPPL	DE2E
	For padlocking 2P QO-GFI HF-Rated circuit breakers in either the ON or OFF position, fixed attachment.[31]	QO2GFPA	DE2E
	For 2P and 3P QO and Q1 standard circuit breakers which require padlocking in either ON or OFF position. Loose attachment	QO1HPL QO1PL	DE2E DE2E
Handle Padlock Attachment for Padlocking in OFF position	For padlocking 2P and 3P QO circuit breakers in OFF position only, fixed attachment.	QO2PAF	DE2E
	For padlocking 1P QO, QO-GFI, QO-CAFI, QO-DF and QO-EPD circuit breakers in OFF position only, fixed attachment.	QOADV1PAF	DE2E
	For padlocking 2P QO-GFI, QO-CAFI and QO-EPD circuit breakers in OFF position only, fixed attachment.[30]	QO2GFPAF	DE2E
	For padlocking 2P QO-GFI HF-Rated circuit breakers in OFF position only, fixed attachment.[31]	QO2GFPAF	DE2E
Ring Terminal	Ring terminals are available as a factory-installed option.	See Section 7	DE2A
Sub-feed Lugs	60 A 2P plug-on – 2 spaces required (6–2 Al/Cu)	QO60SL	DE2A
	125 A 2P plug-on – 2 spaces required (12–2/0 Al/Cu)	QO2125SL	DE2A
	225 A 2P plug-on – 4 spaces required (4–300 Al/Cu)	QO225SL [32]	DE2A
	125 A 3P plug-on – 3 spaces required (12–2/0 Al/Cu)	QO3125SL	DE3
Mechanical Interlock Attachment	For interlocking the handles of two 2P or one 2P and one 1P QO and Q1 circuit breakers mounted side-by-side so that only one circuit breaker can be ON at a time (Not QOU)	QO2DTI	DE2E
With Retaining Kit	QO2DTI mechanical interlock attachment with retaining kits for securing two adjacent back-fed circuit breakers in dual power supply applications. Can be used with (2) 2Ps or (1) 2P and (1) 1P QO circuit breakers in QO816L100 load centers.	QO2DTIM	DE2E

^{Obs} This product is obsolete.

The following are various QO/QOB accessories:

[30] 2P GFI lockoff bracket is not compatible with the 2P GFI HF-rated .

[31] 2P GFI HF-Rated lockoff is not compatible with the standard 2P GFI.

[32] Not suitable for use in three-phase panels. Use only in single-phase panel rated 150 A or greater.



QO1PA



QO1PL



QO1HT



HLO1



QO1PAF



QO2DTI



QO1HPL



QOTHPA



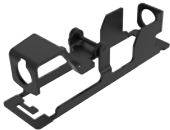
QO1LO



QOHPL



QO2PAF



QOADV1PAF



QOM1 Frame Size
50–125 Amperes



QOM2 Frame Size
100–225 Amperes

Field-Installed Main Circuit Breaker Kits, Single-phase

These tables define application and selection criteria for field-installed QOM main circuit breaker kits used in convertible main load centers for single-phase (Ø) systems. They cover QOM1 frame sizes rated 50–125 A and QOM2 frame sizes rated 100–225 A, aligned with permitted load center mains ratings and 22 kA AIR short-circuit capability. Listed data includes approved breaker catalog numbers, conductor lug wire size ranges, UL usage conditions, maximum load ratings, and optional shunt-trip configuration requirements to support code-compliant electrical installations.

NOTE: Use with convertible main load centers only.

Table 1.19: QOM1 Frame Size

Main Circuit Breaker Rating [4]	Convertible Load Center Mains Rating	22 k AIR [5] Main Circuit Breaker	Lug Wire Size [6] AWG/ kcmil
50 A	100–125	QOM50VH	12–2/0 Al or Cu
60 A	100–125	QOM60VH	
70 A	100–125	QOM70VH	
80 A	100–125	QOM80VH	
90 A	100–125	QOM90VH	
100 A	100–125	QOM100VH	
110 A	125	QOM110VH	
125 A	125	QOM125VH	

Table 1.20: QOM2 Frame Size

Main Circuit Breaker Rating [4]	Convertible Load Center Mains Rating	22 k AIR [5] Main Circuit Breaker [7]	Lug Wire Size [6] AWG/ kcmil
100 A	150–225	QOM2100VH	4–300 Al or Cu
125 A	150–225	QOM2125VH	
150 A	150–225	QOM2150VH	
175 A	200–225	QOM2175VH	
200 A	200–225	QOM2200VH	
225 A	225	QOM2225VH	

[4] Do not exceed the load center mains rating.

[5] 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT and QO-PL 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.

[6] Wire range listed for QOM circuit breaker kits is the wire range of that circuit breaker. To find out maximum wire size permitted in a particular load center per UL, see Main Wire Size in that load center table.

[7] Add suffix 1021 for 120, 208 or 240 Vac shunt trip.