# Section 1
## Load Centers



QO™ Miniature Circuit Breakers



QO™ Load Centers



Homeline™ Miniature Circuit Breakers



Homeline™ Load Centers



Schneider™ Boost and Inverter







CSEDs



Surge Protective Devices (SPD)



Wiring Devices



Energy™ Monitor


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QO Load Center

## QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

### EZ Selector

**Steps to select a load center.**

1. Select product type:
   - Homeline™ 1 inch format (HOM)
   - QO™ 3/4 inch format with plug-on neutral (QO) (P)
   - QO™ 3/4 inch format (QO)
2. Select enclosure type: indoor or outdoor (RB = rainproof)
3. Select single phase (1) or three phase (3)
4. Select type of main:
   - Main circuit Breaker (M)
   - Main lugs (L)
   - Generator panel (GP)
5. Select main ampacity rating
6. Select pole spaces and max. number of 1-pole, single-phase circuits
7. Select cover style:
   - Surface (box mounted on surface)
   - Surface (box mounted on surface, hinged cover included)
   - Flush (box recessed, cover is flush to wall)
8. Value pack (VP)
9. Select ground bar option:
   - Ground bar factory installed (T)
   - Ground bar included, field installation (G)
10. Select special application:
    - Riser panel with gutter
    - Mfg housing, single phase 3-wire, convertible mains
    - Manufactured housing, single phase, 3-wire
    - Manufactured housing, single phase, 2-wire

**QO™ and Homeline™ Load Centers — Catalog Number Description**

QO 1 8 16 M 100 P C

**Type**
QO = QO
HOM = Homeline

**Phase** (only applies to QO)
Blank or 1 = Single-phase
3 = Three phase

**Spaces**
Maximum number of full-size single-pole circuit breaker spaces.

**Circuits**[1]
Maximum number of single-pole circuits when using tandem circuit breakers.
*Note: Number of circuits minus number of spaces equals number of tandem circuit breakers accepted.*

**Mains Type**
M = Main circuit breaker
L = Main lugs
MS = 300 A or 400 A main circuit breaker
MQ = Three-phase main circuit breaker
DM = Dual mains

**Ampacity**
**Mains rating**

**Plug-on Neutral**
P = Plug-on Neutral Ready
Blank = Does not accept Plug-On Neutral Circuit Breakers

**Covers and Construction**
Q = Qwik-Grip
C = Combination cover included
Blank = No cover, order cover separately
R = Rainproof
B = Hub ready
T = Ground bar factory installed
G = Ground bar included, field installed
DF = Flush cover with door included
DS = Surface cover included
F = Flush cover included
FT = Feed-thru lugs factory installed
NM = Non-metallic
CU = Copper bus
GP = Generator panel
WG = Wide gutter
RBR = Rainproof accepts B-hubs with generator receptacle
EP = Service upgrade ready
VP = Value Pack with standard circuit breakers included
AF = (3) 15 A arc fault circuit breakers included
1A = (1) 15 A arc fault circuit breaker included

**Additional Information**

- **See Circuits** *[1]*.
- Search our technical FAQs page: https://www.se.com/us/en/faqs/home/
- Refer to catalog 1100CT0501.

*[1]* QO Plug-on neutral load center catalog numbers indicate the number of spaces only. The tables in this document containing QO plug-on neutral load centers list the maximum number of single-pole circuits when using tandem breakers.



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QO 1P
1 Space
Required



QO 2P
2 Spaces
Required



QO 3P
3 Spaces
Required



QO2200 2P 200 A
4 Spaces Required

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.

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

| Amperes 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.


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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. | |

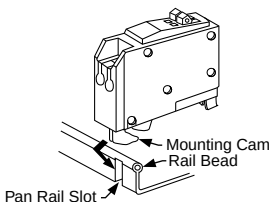



**Table 1.7: QO Tandem Circuit Breakers (non-CTL)—Compatible with Plug-on Neutral Systems**

| 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 | QO20303020 *[17]* |
| 30 A and 20 A | — |

**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.

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1P
QO-GFI


2P
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, ensureing 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 UL1699 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.


1P
QO-CAFI
Plug-On Neutral


1P
QO-CAFI
Pigtail

**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<br>20 | QO115CAFI<br>QO120CAFI | QO115VHCAFI<br>QO120VHCAFI | QO215CAFI*[22]*<br>QO220CAFI *[22]* |
| Plug-On Neutral Combination Arc-fault Interrupter | 15<br>20 | QO115PAF<br>QO120PAF | QO115VHPAF<br>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.


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1P QO-DF
Plug-on Neutral


1P QO-DF
Pigtail

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<br>20 | QO115DF<br>QO120DF | —<br>QO120VHDF |
| Plug-On Neutral Combination Arc-fault and Ground Fault Circuit Interrupter | 15<br>20 | QO115PAFGF<br>QO120PAFGF | QO115VHPAFGF<br>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.


QO220EPD

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 60ºC or 75ºC conductors. 35–125 A circuit breakers are suitable for use with 75ºC 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.

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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 60ºC or 75ºC conductors. 35–125 A circuit breakers are suitable for use with 75ºC 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.



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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<br>Converts any two adjacent 120/240 Vac1P side-by-side QOT circuit breakers to independent trip 2P | QO1HT<br>QOTHT<br>QO3HT | DE2E<br>DE2E |
| Handle Clamp | Clamp for holding QO 1P handle in ON or OFF position<br>Clamp for holding QO or Q1 either 1P, 2P or 3P circuit breaker handles in ON or OFF position | QO1LO<br>HLO1 | DE2E<br>DE2E |
| Handle Padlock Attachment for Padlocking in ON or OFF position | For padlocking 1P QO circuit breaker in ON or OFF position<br>Loose attachment<br>Fixed attachment | QOHPL<br>QO1PA | DE2E<br>DE2E |
| | For padlocking 1P side-by-side QOT circuit breaker in ON or OFF position | QOTHPA OBS | DE2E |
| | For padlocking 2P QO-GFI circuit breakers in either ON or OFF position, fixed attachment.*[30]* | GFI2PA | DE2A |
| | 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.<br>Loose attachment<br>Fixed attachment | QO1HPL<br>QO1PL | DE2E<br>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]* | QOGFI2PAF | 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)<br>125 A 2P plug-on – 2 spaces required (12–2/0 Al/Cu)<br>225 A 2P plug-on – 4 spaces required (4–300 Al/Cu)<br>125 A 3P plug-on – 3 spaces required (12–2/0 Al/Cu) | QO60SL OBS<br>QO2125SL<br>QO2225SL *[32]*<br>QO3125SL | DE2A<br>DE2A<br>DE2A<br>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.

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QO1PA



QO1PL



QO1HT



HLO1



QO1PAF



QO2DTI



QO1HPL



QOTHPA



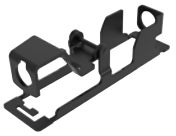
QO1LO



QOHPL



QO2PAF



QOADV1PAF



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These factory-installed accessories for Schneider Electric QO and QOB miniature circuit breakers are designed to enhance control, monitoring, and safety functions in electrical distribution systems.

## Factory-Installed Accessories for QO/QOB Circuit Breakers

Factory-installed electrical accessories take up an additional pole space on QO, QO-GFI, QO-EPD, QO-SWN and QOU circuit breakers. All AC electrical accessories shown below are rated for 50/60 Hz.

**NOTE:**

- QO circuit breakers will accept only one accessory per circuit breaker.
- Undervoltage trip is not available on miniature circuit breakers.
- Accessories are not available for QOB-VH (2P 150 A and 3P 110–150 A) circuit breakers or QO, QOU molded case switches.
- Factory-installed accessories are not available for QO-AFI or QO-CAFI Arc Fault Circuit Breakers, QO-CAFI, QO-DF, or QO-PDF circuit breakers, or on QO2150, QO2175, or QO2200 circuit breakers.

**Table 1.17: Factory-Installed Accessories for QO/QOB Circuit Breakers** *[33]*

| Accessory | Description | Rated Voltage | Coil Burden | Cat. No. Suffix | Accessory | Description | Contact Comb. | Max. Voltage | Max. | Cat. No. Suffix |
|---|---|---|---|---|---|---|---|---|---|---|
| Shunt Trip | Trips the circuit breaker from a remote location by means of a trip coil energized from a separate circuit. A 120 Vac shunt trip will operate at 55% or more of rated voltage. All other shunt trips will operate at 75% or more of rated voltage.<br>**Application**<br>• For use with momentary or maintained push button.<br>• Not available on QO-GFI, QO-EPD. QO-AFI, QO-CAFI, QO-DF, or QO-PDF.<br>• Shunt trip terminals accept (2) 14–12 AWG Cu. | 12 Vac/Vdc<br>24 Vac/Vdc | 60 VA<br>168 VA | -1042 | Auxiliary Switches | Monitors circuit breaker contact status and provides a remote signal indicating the circuit breaker contacts are OPEN or CLOSED.<br>**Application**<br>• Auxiliary switch terminals accept (2) 14–12 AWG Cu leads.<br>• Leads (EH): Yellow for “A”, Blue for “B”, Striped common 18 AWG Cu. | 1A<br>1B | 120 Vac<br>120 Vac | 5 A<br>5 A | -1200<br>-1201 |
| | | 120 Vac<br>208 Vac<br>240 Vax | 72 VA<br>228 VA<br>288 VA | -1021 | Alarm Switches | Used with control circuits and is actuated only when the circuit breaker has tripped. Standard construction includes a normally-open contact.<br>**Application**<br>• Leads: Alarm switch terminals accept (2) 14–12 AWG Cu leads. | 1A | 120 Vac | 5 A | -2100 |

*[33]* QOB circuit breakers with shunt trip, auxiliary switches, and/or alarm switches, which are no longer active commercial references, may be available Factory Assembled into NQ Panelboards.

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## Plug-on Neutral Load Center Main Lugs, Convertible Mains

**Single-Phase, Three-wire—120/240 Vac Indoor—UL Listed**

QO Plug-on Neutral Load Centers and CAFI Breakers are engineered for a quick Plug-on Neutral connection on every unit.

**Table 1.18: Convertible Main Lugs Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breaker and QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[1]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Load Center Covers | | Al | CU | Bus Rating | Equipment Ground Bar Kit (Factory-Included) | Box No. *[2]* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush/Surface | Mono-Flat | | | | | |
| INDOOR | **Convertible Mains—Factory-installed Main Lugs — 65 kA Short Circuit Current Rating—Copper Bus QOM1 Main Frame Size—Convertible to Main Circuit Breaker** | | | | | | | | | | | |
| | 125 A | 12 | 24 | 12 | QO112L125PG | QOC16UF*[3]* QOC16US | — | 6–2/0 | | 125 | PKGTALP1 | 6 |
| | | 16 | 24 | 8 | QO116L125PG | QOC24UF*[3]* QOC24US | — | 6–2/0 | | 125 | PKGTALP1 | 7 |
| | | 20 | 24 | 4 | QO120L125PG | QOC20U100F*[3]* QOC20U100S | — | 6–2/0 | | 125 | PKGTALP1 | 6 |
| | | 24 | 34 | 10 | QO124L125PG | QOC24UF*[3]* QOC24US | — | 6–2/0 | | 125 | PK15GTAL | 7 |
| | | 30 | 34 | 4 | QO130L125PG | QOC30U125C | — | 6–2/0 | | 125 | PK23GTAL | 9 |
| | | 32 | 38 | 6 | QO132L125PG | QOC32UF*[3]* | — | 6–2/0 | | 125 | PKGTALP1 | 8 |
| | **Convertible Mains— Factory-installed Main Lugs, 65 kA Short Circuit Current Rating—Copper Bus QOM2 Main Frame Size—Convertible to Main Circuit Breaker** | | | | | | | | | | | |
| | 200 A | 12 | 24 | 12 | QO112L200PG | QOC30UF*[3]* QOC30US | QOCMF30UCW*[3]* | 4–300 | 4–250 | 225 | PKGTALP1 | 9 |
| | | 24 | 36 | 12 | QO124L200PG | QOC30UF*[3]* QOC30US | QOCMF30UCW*[3]* | 4–300 | 4–250 | 225 | PKGTALP1 | 9 |
| | | 30 | 40 | 10 | QO130L200PG | QOC30UF*[3]* QOC30US | QOCMF30UCW*[3]* | 4–250 | | 225 | PK23GTAL | 9 |
| | | 40 | 60 | 20 | QO140L200PG | QOC40UF*[3]* QOC40US | — | 4–300 | 4–250 | 225 | PKGTALP2 | 10 |
| | 225 A | 42 | 52 | 10 | QO142L225PG | QOC42UF*[3]* QOC42US | QOCMF42UCW*[3]* | 4–300 | | 225 | PK23GTAL | 11 |
| | | 54 | 64 | 10 | QO154L225PG | QOC54UF*[3]* | QOCMF54UCW*[3]* | 4–300 | | 225 | PK23GTAL | 11 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**

OBS This product is obsolete.

*[1]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.

*[2]* See page 1-40

*[3]* Available in gray and white. For white equivalencies, add the “W” suffix to the reference, or see page 1-36.



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## 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.



QOM1 Frame Size
50–125 Amperes

**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 | |



QOM2 Frame Size
100–225 Amperes

**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.

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## Plug-on Neutral Load Center Main Breaker, Convertible Mains

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

QO Plug-on Neutral Load Centers and CAFI Breakers are engineered for a quick Plug-on Neutral connection on every unit.

**Table 1.21: Convertible Main Breaker Plug-on Neutral Load Centers (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| | | Mains Rating | Spaces | Max. 1P Circuits | Max. Tandem Breakers | Load Center Box and Interior | Load Center Covers | | Al | Cu | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[8]* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Flush/Surface | Mono-Flat | | | | | |
|  QO154M200P | INDOOR | Convertible Mains — Factory-Installed Main Circuit Breaker— 22 kA Short Circuit Current Rating<br>Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (see ) *[9]*,<br>QOM1 Main Circuit Breaker Frame Size—Copper Bus | | | | | | | | | | | |
| | | 100 A | 12 | 24 | 12 | QO112M100P | QOC12UF<br>QOC12US | — | 6-2/0 | 6–1 | 125 | PK9GTA | 5 |
| | | | 16 | 24 | 8 | QO116M100P | QOC20U100F*[10]*<br>QOC200U100S | — | 6-2/0 | 6–1 | 125 | PK9GTA | 6 |
| | | | 20 | 24 | 4 | QO120M100P | QOC20U100F*[10]*<br>QOC200U100S | — | 6-2/0 | 6–1 | 125 | PK9GTA | 6 |
| | | | 24 | 34 | 10 | QO124M100P | QOC24UF*[10]*<br>QOC24US | — | 6-2/0 | | 125 | PK15GTA | 7 |
| | | | 32 | 38 | 6 | QO132M100P | QOC32UF*[10]* | — | 6-2/0 | | 125 | PK15GTA | 8 |
| | | 125 A | 24 | 34 | 10 | QO124M125P | QOC24UF*[10]*<br>QOC24US | — | 6-2/0 | | 125 | PK15GTA | 7 |
| | | | 32 | 38 | 6 | QO132M125P | QOC32UF*[10]* | — | 6-2/0 | | 125 | PK15GTA | 8 |
| | | Convertible Mains — Factory-Installed Main Circuit Breaker— 22 kA Short Circuit Current Rating<br>Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (see ) *[9]*,<br>QOM2 Main Circuit Breaker Frame Size—Copper Bus | | | | | | | | | | | |
| | | 150 A | 24 | 36 | 12 | QO124M150P | QOC30UF*[10]*<br>QOC30US | QOCMF30UCW*[10]* | 4-250 | | 225 | PK15GTA | 9 |
| | | | 30 | 40 | 10 | QO130M150P | QOC30UF*[10]*<br>QOC30US | QOCMF30UCW*[10]* | 4-250 | | 225 | PK15GTA | 9 |
| | | | 32 | 40 | 10 | QO132M150P | QOC40UF*[10]*<br>QOC40US | — | 4-300 | 4-250 | 225 | PK15GTA | 10 |
| | | 200 A | 24 | 36 | 12 | QO124M200P | QOC30UF*[10]*<br>QOC30US | QOCMF30UCW*[10]* | 4-300 | 4-250 | 225 | PK15GTA | 9 |
| | | | 30 | 40 | 10 | QO130M200P | QOC30UF*[10]*<br>QOC30US | QOCMF30UCW*[10]* | 4-250 | | 225 | PK15GTA | 9 |
| | | | 40 | 60 | 20 | QO140M200P | QOC40UF*[10]*<br>QOC40US | — | 4-300 | 4-250 | 225 | PK23GTA | 10 |
| | | | 42 | 52 | 10 | QO142M200P | QOC42UF*[10]*<br>QOC42US | QOCMF42UCW*[10]* | 4-300 | | 225 | PK18GTA | 11 |
| | | | 54 | 72 | 18 | QO154M200P | QOC54UF*[10]* | QOCMF54UCW*[10]* | 4-300 | | 225 | PK23GTA | 12 |
| | | | 60 | 72 | 12 | QO160M200PC *[11]* | — | — | 4-300 | | 225 | PK27GTA | 24 |
| | | 225 A | 42 | 52 | 10 | QO142M225P | QOC42UF*[10]*<br>QOC42US | QOCMF42UCW*[10]* | 4-300 | | 225 | PK18GTA | 11 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**

OBS This product is obsolete.

## Field-Installed Main Lugs Kits, Single-phase

**Table 1.22: Single-phase Field-Installed Main Lug Kits—Use with Convertible Main Load Centers Only**

| Main Lugs Rating *[12]* | Use on Convertible Load Center with Mains Rating | Cat. No. | Lug Wire Size *[13]* AWG/kcmil Al or Cu |
|---|---|---|---|
| 125 A | 100–125 A | QOL125 *[14]* | 6–2/0 |
| 125 A | 100–125 A | QOL125VD *[14]* | 6–4/0 |
| 225 A | 150–225 A | QOL225 *[14]* | 6–300 |



QOL125



QOL225

*[8]* See Indoor Knockout Information and Enclosure Dimensions, page 1-40.
*[9]* 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.
*[10]* Available in gray and white. For white equivalencies, add the "W" suffix to the reference, or see page 1-36.
*[11]* For Certification to IEC 60439-1 contact the local Square D sales office; otherwise panels are **NOT** CE marked. (For use on 415Y/240 Vac 3-phase 4-wire, 3,000 Short Circuit Current Rating when QOXD...branch circuit breakers are used and 10,000 Short Circuit Current Rating when QO...VS branch circuit breakers are used).
*[12]* Do not exceed the load center mains rating.
*[13]* Wire range listed for QOL lug kits is the wire range of that lug. To find out maximum wire size permitted in a particular load center per UL, see Main Wire Size in that load center table.
*[14]* If main circuit breaker knockout has been removed from the load center's trim, order appropriate filler plate from Table 1.51, page 1-31



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QO Plug-on Neutral
Load Center with Qwik-Grip™

## QO™ Plug-On Neutral Load Centers with Qwik-Grip™

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

The Square D QO plug-on neutral load centers with Qwik-Grip simplify rough-in by eliminating the need to remove knockouts, install wire connectors, and blindly pull wire into the load center. A quick bend of the wire using the wire bend guide on the Qwik-Grip insert and the wire slides into the slot. Once inserted, the Qwik-Grip shield snaps on to keep the wire behind the router for a secure, code-compliant installation.

**Table 1.23: Plug-on Neutral Load Centers with Qwik-Grip (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits | Max. Tandem Circuit Breakers | Load Center Box and Interior | Indoor Cover with Door (Order Separately) | | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Gound Bar Kit | Box No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush/Surface | Mono-Flat | Al | Cu | | | |
| INDOOR | Convertible Mains—Factory-Installed Main Lugs, 65 kA Short Circuit Current Rating—Copper Bus, QOM1 Main Frame Size, Convertible to Main Circuit Breaker | | | | | | | | | | | |
| | 125 A | 24 | 34 | 10 | QO124L125PQG | QOC24UF*[15]* QOC24US | — | 6–2/0 | | 125 | PK15GTAL Included | 7Q |
| | Convertible Mains-Factory—Installed Main Lugs, 65 kA Short Circuit Current Rating—Copper Bus, QOM2 Main Frame Size, Convertible to Main Circuit Breaker | | | | | | | | | | | |
| | 200 A | 30 | 40 | 10 | QO130L200PQG | QOC30UF*[15]* QOC30US | — | 6–300 | | 225 | PK23GTAL Included | 9Q |
| | 225 A | 42 | 52 | 10 | QO142L225PQG | QOC42UF*[15]* QOC42US | — | | | 225 | PK23GTAL | 9Q |
| | Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating—Copper Bus, QOM2 Main Frame Size, Convertible to Main Lugs or Main Circuit Breaker | | | | | | | | | | | |
| | 200 A | 30 | 40 | 10 | QO130M200PQ | QOC30UF*[15]* QOC30US | — | 4–250 | | 225 | PK23GTA (Order separately) | 11Q |
| | | 42 | 52 | 10 | QO142M200PQ | QOC42UF*[15]* QOC42US | — | | | 225 | PK23GTA (Order separately) | 11Q |

*[15]* Available in gray and white. For white equivalencies, add the "W" suffix to the reference, or see page 1-36.

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## QO Load Centers with Included Cover

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

**Table 1.24: Load Centers with Included Cover (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| Mains Rating | Short Circuit Current Rating | Spaces | Max. 1P Circuits *[16]* | Max. Tandem Circuit Breakers | Load Center *[17]* Box, Interior, and Cover | Al | Cu | Bus Rating | Equipment Ground Bar Kit | Box No. *[18]* |
|---|---|---|---|---|---|---|---|---|---|---|
| **125 A** | 65 kA | 12 | 24 | 12 | QO112L125PGC | 6-2/0 | | 125 | PKGTALP1 Included | 5 |
| | 65 kA | 24 | 34 | 10 | QO124L125PGC | 6-2/0 | | 125 | PK15GTA, LK100AN Included | 7 |
| Convertible Mains—Factory-Installed Main Lugs *[19]*—QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See page )—Copper Bus | | | | | | | | | | |
| 200 A | 65 kA | 30 | 40 | 10 | QO130L200PGC | 4-250 | | 225 | PK23GTA, LK100AN Included | 9 |
| 225 A | 65 kA | 42 | 52 | 10 | QO142L225PGC | 4-300 | | 225 | PK23GTA, LK100AN Included | 11 |
| Convertible Mains—Factory-Installed Main Circuit Breaker— QOM1 Main Frame Size—Convertible to Main Lugs (See Single-phase, Field-Installed Mains Kits, page 1-31 or Lower Amperage Main Circuit Breaker (See page )—Copper Bus *[20]* | | | | | | | | | | |
| 100 A | 22 kA | 12 | 24 | 12 | QO112M100PC | 6–2/0 | 6–1 | 125 | PK9GTA | 5 |
| | 22 kA | 20 | 24 | 4 | QO120M100PC | 6–2/0 | 6–1 | 125 | PK9GTA | 6 |
| | 22 kA | 24 | 34 | 10 | QO124M100PC | 4-300 | | 125 | PK15GTA | 7 |
| Convertible Mains—Factory-Installed Main Circuit Breaker— QOM2 Main Frame Size—Convertible to Main Lugs (See Single-phase, Field-Installed Mains Kits, page 1-31 or Lower Amperage Main Circuit Breaker (See page )—Copper Bus *[20]* | | | | | | | | | | |
| 150 A | 22 kA | 30 | 40 | 10 | QO130M150PC | 4-250 | | 225 | PK15GTA | 9 |
| | 22 kA | 42 | 52 | 10 | QO142M150PC | 4-300 | | 225 | PK18GTA | 11 |
| 200 A | 22 kA | 30 | 40 | 10 | QO130M200PC | 4-250 | | 225 | PK15GTA | 9 |
| | 22 kA | 40 | 60 | 20 | QO140M200PC | 4-300 | 4-250 | 225 | PK23GTA | 10 |
| | 22 kA | 42 | 52 | 10 | QO142M200PC | 4-300 | | 225 | PK18GTA | 11 |
| | 22 kA | 54 | 72 | 18 | QO154M200PC | 4-300 | | 225 | PK23GTA | 12 |

## Plug–on Neutral Load Center Main Lugs, Convertible Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

QO Plug-on Neutral Load Centers and CAFI Breakers are engineered for a quick Plug-on Neutral connection on every unit.

**Table 1.25: Convertible Main Lugs Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[16]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Al | Cu | Bus Rating | Equipment Ground Bar Kit (Factory Included) | Box No. *[21]* |
|---|---|---|---|---|---|---|---|---|---|---|
| RAINPROOF | Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating *[22][19][23]* QOM1 Main Circuit Breaker Frame Size, Convertible to Main Circuit Breaker — Equipment Ground Bar Included | | | | | | | | | |
| | 125 A | 12 | 24 | 12 | QO112L125PGRB | 6–2/0 | | 125 | PKGTALP1 | 3R |
| | | 16 | 24 | 8 | QO116L125PGRB | 6–2/0 | | 125 | PKGTALP1 | 4R |
| | | 24 | 34 | 10 | QO124L125PGRB | 6–2/0 | | 125 | PK15GTA | 4R |
| | Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating *[22][19][23]* QOM2 Main Circuit Breaker Frame Size, Convertible to Main Circuit Breaker — Equipment Ground Bar Included | | | | | | | | | |
| | 200 A | 12 | 24 | 12 | QO112L200PGRB | 4–300 | 4–250 | 225 | PKGTALP1 | 5R |
| | | 30 | 40 | 10 | QO130L200PGRB | 4–250 | | 225 | PK23GTAL | 6R |
| | | 40 | 60 | 20 | QO140L200PGRB | 4–300 | 4–250 | 225 | PKGTALP2 | 7R |
| | 225 A | 42 | 52 | 10 | QO142L225PGRB | 4–300 | | 225 | PK23GTA, LK100AN | 8R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.**

*[16]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[17]* Order F for flush device or S for surface device.
*[18]* See page 1-40
*[19]* UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.
*[20]* 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.
*[21]* See Table 1.76 Enclosure Dimensions, page 1-42 or Indoor Enclosure Dimensions and Knockout Information, page 1-40
*[22]* UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.
*[23]* Side hinge door device; allow 1-1/4 in. on left side for door to open.



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## Plug–on Neutral Load Center Main Breaker, Convertible Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

QO Plug-on Neutral Load Centers and CAFI circuit breakers are engineered for a quick Plug-on Neutral connection on every unit.

**Table 1.26: Convertible Main Breaker Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[24]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Al | Cu | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[25]* |
|---|---|---|---|---|---|---|---|---|---|---|
| RAINPROOF | Convertible Mains — Factory-Installed Main Breaker — 22 kA Short Circuit Current Rating<br>Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (See page )*[26]*<br>QOM1 Main Circuit Breaker Frame Size—Copper Bus | | | | | | | | | |
| | 100 A | 12 | 24 | 12 | QO112M100PRB | 6–2/0 | | 125 | PK9GTA | 3R |
| | | 16 | 24 | 8 | QO116M100PRB | 6–2/0 | | 125 | PK9GTA | 4R |
| | | 20 | 24 | 4 | QO120M100PRB | 6–2/0 | | 125 | PK9GTA | 4R |
| | | 24 | 34 | 10 | QO124M100PRB | 6–2/0 | | 125 | PK15GTA | 4R |
| | 125 A | 24 | 34 | 10 | QO124M125PRB | 6–2/0 | | 125 | PK15GTA | 4R |
| | Convertible Mains — Factory-Installed Main Breaker — 22 kA Short Circuit Current Rating<br>Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (See page ) *[26]*<br>QOM2 Main Circuit Breaker Frame Size—Copper Bus | | | | | | | | | |
| | 150 A | 20 | 30 | 10 | QO120M150PRB | 4–300 | 4–250 | 225 | PK15GTA | 5R |
| | | 30 | 40 | 10 | QO130M150PRB | 4–250 | | 225 | PK15GTA | 6R |
| | 200 A | 20 | 30 | 10 | QO120M200PRB | 4–300 | 4–250 | 225 | PK15GTA | 5R |
| | | 30 | 40 | 10 | QO130M200PRB | 4–250 | | 225 | PK15GTA | 6R |
| | | 40 | 60 | 20 | QO140M200PRB | 4–300 | 4–250 | 225 | PK23GTA | 7R |
| | | 42 | 52 | 10 | QO142M200PRB | 4–300 | | 225 | PK18GTA | 8R |
| | 225 A | 42 | 52 | 10 | QO142M225PRB | 4–300 | | 225 | PK18GTA | 8R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.**

*[24]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.

*[25]* See Table 1.76 Enclosure Dimensions, page 1-42 or Indoor Enclosure Dimensions and Knockout Information, page 1-40

*[26]* 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT, QO-GFI, QO-AFI, QO-EPD and QOPL 10 k AIR branch circuit breakers to permit their application on systems up to 22 kA

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# Backup Power Solutions

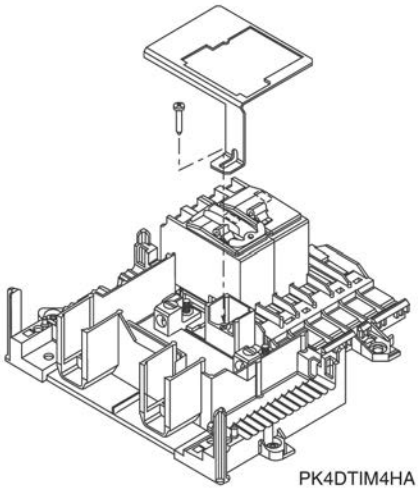
## Single-phase, three-wire—120/240 Vac Backup Power—UL Listed

### Table 1.27: Backup Power Solutions

| | Mains Rating (A) | Spaces | Max. Single Pole Circuits *[27]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover | Equipment Grounding Bar Kit (Order Separately) | Main Wire Size AWG/kcmil Al | Main Wire Size AWG/kcmil Cu | Bus Rating | Box No. *[28]* |
|---|---|---|---|---|---|---|---|---|---|---|
| INDOOR | Generator Panels—Manual Transfer for Sub-Feed Applications NEMA 1 (Indoor) | | | | | | | | | |
| | Factory-Installed Main Circuit Breakers with Mechanical Interlock—10 kA Short Circuit Current Rating | | | | | | | | | |
| | 30 | 4 | 8 | 4 | QO48M30DSGP | PK7GTA | 14–8 | 14–8 | 30 | 4 |
| | 60 | 4 | 8 | 4 | QO48M60DSGP | | 8–2 | 8–2 | 60 | 4 |
| RAINPROOF | Generator Panels—Manual Transfer with Generator Power Inlet Plug for Sub-Feed Applications NEMA 3R (Outdoor) | | | | | | | | | |
| | Factory-Installed Main Circuit Breakers with Mechanical Interlock—10 kA Short Circuit Current Rating | | | | | | | | | |
| | 100 | 4 | 8 | 4 | QO1DM10030TRBR | Factory-Installed | — | 8–2 | 100 | 17R |
| | | 4 | 8 | 4 | QO1DM10050TRBR | | — | | 100 | 17R |

### Table 1.28: Manual Power Transfer Accessories

| Description | | Cat. No. | Schedule |
|---|---|---|---|
| **Manual Transfer Equipment Kit** | 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. | QO2DTI | DE2E |
| | 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) 2P or (1) 2P and (1) 1P QO circuit breakers in QO816L100 load centers. | QO2DTIM | DE2E |
| | Secures two 2P circuit breakers to right side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 100–125 ampere convertible main load centers. Series S01 and S02. | PK4DTIM4LA | DE3A |
| | Secures two 2P circuit breakers to right side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 150–225 ampere convertible main load centers. Series S01 and S02. | PK4DTIM4HA | DE3A |
| | Secures two 2P circuit breakers to left side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 100–125 ampere convertible main load centers. Series S01 and S02. | PK4DTIM4LAL | DE3A |
| **Generator Circuit Breaker Interlock Kit** | For use on "G" and "S" Series NEMA 1 and "G", "S1" and "S2" Series NEMA 3R load centers. Interlocks a QOM1 2P main circuit breaker of a load center (100–125 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | QOCRBGK1C | DE3A |
| | For use on "G" and "S" Series NEMA 1 and "G" and "S1" Series NEMA 3R load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | QOCGK2C | DE3A |
| | For use on "S2" Series NEMA 3R load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | QORBGK2C | DE3A |



PK4DTIM4HA



QO2DTI



QOCGK2C

*[27]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[28]* See page 1-40 or page 1-42



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## QO Standard Load Center Main Lugs and Main Breaker, Fixed Mains

**Single-phase, three-wire—120/240 Vac Special Applications—UL Listed**

**Table 1.29: Low Amperage Fixed Main Lugs Indoor Load Centers (Accepts Only QO Plug-on Circuit Breakers - Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. 1P Circuits *[29]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Indoor Cover with Door | | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[30]* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush | Surface | Al | Cu | | | |
| INDOOR | Fixed Mains—Factory-Installed Main Lugs—10 kA Short Circuit Current Rating *[31]* | | | | | | | | | | | |
| | 30 A | 2 | 2 | 0 | QO2L30S *[32] [33]* | Cover Included—Without Door | | 12–10 | 14–10 | 30 | PK3GTA1 | 1 |
| | 70 A | 2 | 4 | 2 | QO24L70F / S *[34] [35]* | Cover Included—Without Door | | 12–3 | 14–4 | 70 | PK4GTA | 2 |
| | 100 A | 6 | 12 | 6 | QO612L100F / S *[34] [36]* | Cover Included—Without Door | | 8–1 | | 100 | PK7GTA | 4 |
| | | 6 | 12 | 6 | QO612L100DF / S *[34] [36]* | Cover Included—With Door | | | | 100 | PK7GTA | 4 |
| | | 8 | 16 | 8 | QO816L100F / S *[34] [36]* | Cover Included—Without Door | | | | 100 | PK7GTA | 4 |
| | | 8 | 16 | 8 | QO816L100DF / S *[34] [36]* | Cover Included—With Door | | | | 100 | | |
| | | 6 | 12 | 6 | QO612L100DSCU*[34] [36] [37]* | Cover Included—With Door | | | | 100 | PK7GTA | 4 |
| | | 8 | 16 | 8 | QO816L100DSCU *[34] [36] [37]* | Cover Included—With Door | | | | 100 | PK7GTA | 4 |
| | 125 A | 4 | 8 | 4 | QO148L125GF / S *[34] [38]* | Cover Included—Without Door | | 12–2/0 | 14–2/0 | 125 | PK7GTA *[39]* | 21 |

**Table 1.30: Low Amperage Fixed Mains Indoor Load Centers with Factory Installed Ground Bar (Accepts Only QO Plug-On Circuit Breakers - Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Short Circuit Current Rating | Spaces | Max. 1P Circuits *[29]* | Max. Tandem Circuit Breakers | Load Center *[34]* Box, Interior, and Cover | Equipment Ground Bar Kit (Order Separately) | Main Wire Size AWG/kcmil | | Bus Rating | Box No. *[30]* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Al | Cu | | |
| INDOOR | Single-phase, two-wire 120 Vac—Main Circuit Breakers—CSA Certified | | | | | | | | | | |
| | 30 A | 10 kA | 3 | 5 | 2 | QO35FM30TTS | Factory-installed | *[40]* | | — | 3 |
| | Single-phase, three-wire 120/240 Vac—Main Lugs Only—CSA Certified | | | | | | | | | | |
| | 70 A | 10 kA | 2 | 4 | 2 | QO24L70TS *[41]* | Factory Installed | 12–3 | 14–4 | 70 | 2 |
| | 100 A | 10 kA | 8 | 16 | 8 | QO816L100TS*[42]* | | 4–1 | | 100 | 4 |
| | | | 8 | 16 | 8 | QO816L100DTF<br>QO816L100DTS *[42]* | | | | 100 | 4 |

**Table 1.31: High Amperage Fixed Main Breaker and Main Lugs Indoor Load Centers (Accepts Only QO Plug-On Circuit Breakers - Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. 1P Circuits *[29]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Indoor Cover with Door (Order Separately) | | Main Wire Size AWG/kcmil | | Equipment Ground Bar Kit (Order Separately) | Box No. *[30]* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush | Surface | Al | Cu | | |
| INDOOR | 300 A | 42 | 42 | 0 | QONQ42MS300 (Int) *[43]*<br>MH62 (Box) *[45]* | NC62NQVF | NC62NQVS | (1) 4–500<br>or (2) 4–3/0 | | PK27GTA *[44]*<br>or<br>PK15GTA6 | 16 |
| | 400 A | 42 | 42 | 0 | QONQ42MS400 (Int) *[43]*<br>MH62 (Box) *[45]* | NC62NQVF | NC62NQVS | (1) 4–500<br>or (2) 4–3/0 | | | 16 |
| | **Fixed Mains—Factory-Installed Main Lugs—65 kA Short Circuit Current Rating** *[31] [46]* | | | | | | | | | | |
| | 400 A | 30 | 30 | 0 | QONQ30LS400 (Int) *[43]*<br>MH50 (box) *[45]* | NC50NQVF | NC50NQVS | (1) 1/0–750<br>or (2) 1/0–300 | | PK27GTA *[44]*<br>or<br>PK15GTA6 | 15 |
| | | 42 | 42 | 0 | QONQ42LS400 (Int) *[43]*<br>MH50 (box) *[45]* | NC50NQVF | NC50NQVS | | | | 15 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.**

## QO Standard Load Center Main Lugs, Fixed Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

*[29]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[30]* See Table 1.74 Knockout Information, page 1-40
*[31]* UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.
*[32]* Will not accept QO-EPD or Qwik-Gard™ QO-GFI or QO-AFI circuit breakers.
*[33]* Mains rated 25 A when Al wire is used.
*[34]* Order F for flush device or S for surface device.
*[35]* Use 10 AWG maximum size wire for GFI and AFI circuit breakers.
*[36]* 70 A Max. branch circuit breaker and 100 A max. back fed main circuit breaker.
*[37]* CU indicates copper bus.
*[38]* Copper bus.
*[39]* Factory-included.
*[40]* Main circuit breaker is a field-installed standard QO single pole circuit breaker. Order separately from page 1–2 and 1–3.
*[41]* Use 10 AWG maximum size wire for GFI and AFI circuit breakers.
*[42]* 70 A max. branch circuit breaker and 70 A max. back fed main circuit breaker.
*[43]* Interior only, order box separately.
*[44]* PK27GTA includes a 6–2/0 AWG Al/Cu lug.
*[45]* PE1A Discount Schedule.
*[46]* UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.

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**Table 1.32: Fixed Main Lugs Rainproof Load Centers (Accepts Only QO Plug-on Circuit Breakers - Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[47]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Main Wire Size AWG/kcmil Al | Main Wire Size AWG/kcmil Cu | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[48]* |
|---|---|---|---|---|---|---|---|---|---|---|
| RAINPROOF | **Non-Metallic Enclosure** Fixed Mains—Factory-installed Main Lugs—10 kA Short Circuit Current Rating | | | | | | | | | |
| | 60 A | 2 | 4 | 2 | QO24L60NRNM | 14–4 | 14–4 | 60 | Factory-installed | 1NM |
| | **Metallic Enclosure** Fixed Mains—Factory-installed Main Lugs—10 kA Short Circuit Current Rating | | | | | | | | | |
| | 40 A | 2 | 2 | 0 | QO2L40RB *[49]* | 12–6 | 14–6 | 40 | PK3GTA1 | 1R |
| | 70 A | 2 | 4 | 2 | QO24L70RB *[49]* | 12–3 | 14–4 | 70 | PK4GTA | 1R |
| | 100 A | 6 | 12 | 6 | QO612L100RB*[50]* | 8–1 | | 100 | PK7GTA | 2R |
| | | 6 | 12 | 6 | QO612L100TRB*[50]* | | | 100 | Factory-installed | 2R |
| | | 8 | 16 | 8 | QO816L100RB *[50]* | | | 100 | PK7GTA | 2R |
| | | 6 | 12 | 6 | QO612L100RBCU*[50]* *[51]* | | | 100 | PK7GTA | 2R |
| | | 8 | 16 | 8 | QO816L100RBCU*[50]* *[51]* | | | 100 | PK7GTA | 2R |
| | 125 A | 4 | 8 | 4 | QO148L125GRB *[51]* | 12–2/0 | 14–2/0 | 125 | PK7GTA Factory-included | 15R |

## Standard Load Center Main Breaker, Convertible Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

**Table 1.33: Convertible Main Breaker Load Centers (Accepts Only QO Plug-on Circuit Breakers - Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[47]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Al | Cu | Equipment Ground Bar Kit (Order Separately) | Bus Rating | Box No. *[48]* |
|---|---|---|---|---|---|---|---|---|---|---|
| RAINPROOF | Convertible Mains —Factory-installed Main Circuit Breaker with Feed-thru Lugs, 22 kA Short Circuit Current Rating Convertible to Main Lugs (See Single-phase, Field-Installed Mains Kits, page 1-31 or Lower Amperage Main Circuit Breaker (See page ) *[52]*, *[53]* QOM1 or QOM2 Main Circuit Breaker Frame Size—Copper Bus | | | | | | | | | |
| | 125 A | 6 | 12 | 6 | QO1612M125FTRB *[54]* | 4–2/0 | | PK12GTA | 125 | 3R |
| | 150 A | 8 | 16 | 8 | QO1816M150FTRB *[54]* | 4–250 | | PK15GTAL | 200 | 4R |
| | 200 A | 8 | 16 | 8 | QO1816M200FTRB *[54]* | 4–250 | | PK15GTAL | 200 | 4R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.**

*[47]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[48]* See page 1-42 or Indoor Enclosure Dimensions and Knockout Information, page 1-40
*[49]* Use 10 AWG maximum size wire for GFI and AFI circuit breakers.
*[50]* 70 A Max. branch circuit breaker and 70 A max. back fed main circuit breaker.
*[51]* Copper bus.
*[52]* Side hinge door device; allow 1-1/4 in. on left side for door to open.
*[53]* 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT, QO-GFI, QO-AFI, QO-EPD and QOPL 10 k AIR branch circuit breakers to permit their application on systems up to 22 kA
*[54]* QO1612M125FTRB provided with QOM1 frame main circuit breaker. QO1816M150FTRB and QO1816M200FTRB provided with QOM2 frame main circuit breaker.



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## QO Riser Panels

**Single-phase, three-wire—120/240 Vac Special Applications—UL Listed**

**Table 1.34: Riser Panels for Offset Interior for Wide Gutter—30 A Maximum Branch Circuit Breaker on Left Side of Interior** *[55]*, *[56]* **(Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[57]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Load Center Cover | | Equipment Ground Bar Kit (Order Separately) | Main Wire Size AWG/kcmil | | Bus Ratings | Box No. *[58]* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush | Mono-Flat | | Al | Cu | | |
| INDOOR | Convertible Mains—Factory-Installed Main Lugs, 65 kA Short Circuit Current Rating Convertible to QOM1 22 kA Short Circuit Current Rating Main Circuit Breaker (See Indoor, Single-phase, Main Lugs, page ) when used with QOC cover below—Copper Bus | | | | | | | | | | | |
| | 125 A | 20 | 24 | 4 | QO120L125PWG | QOC20UFWG *[59]* | NQC20FWGW *[59]* | PK15GTA | 6–2/0 | | 125 | 14 |
| | Convertible Mains-Factory—Installed Main Lugs, 65 kA Short Circuit Current Rating Convertible to QOM2 22 kA Short Circuit Current Rating Main Circuit Breaker (See Indoor, Single-phase, Main Circuit Breaker, page ) when used with QOC cover below—Copper Bus | | | | | | | | | | | |
| | 200 A | 30 | 40 | 10 | QO130L200PWG | QOC30UFWG *[59]* | NQC30FWGW *[59]* | PK23GTA | 4–250 | | 225 | 23 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**

## Panelboard-style Covers for Riser Panels

Mono-Flat™ Front available for riser panels as an alternative to standard load center cover. Provides a low-profile, aesthetically pleasing solution for high-traffic areas in upscale multi-family applications. Deadfront included. Lock kit not provided. *[60]*

**Table 1.35: Auxiliary Gutter**

| Cat. No. | Cover | Conduit Riser Size | Width | Height | Depth |
|---|---|---|---|---|---|
| UL Listed for use with standard Single-phase and Three-phase load centers for riser applications *[61]*. For auxiliary gutter-load center compatibility, see catalog number **1100CT0501** | | | | | |
| SDAG26 | Flush | 1-3/4, 2, 2-1/2 or *[62]* 3 | 13.50 | 26.12 | 3.75 |

**Table 1.36: Tap Kits for Use with Auxiliary Gutter**

| Cat. N0. | Use with Auxiliary Gutter Cat. No. | Riser Wire | | Tap Off Wire | |
|---|---|---|---|---|---|
| | | Lug Type | Al/Cu Wire Size | Lug Type | Al/Cu Wire Size |
| SDGT30020 | SDAG26 | Mechanical (Included) | (2) 6 AWG–300 kcmil | Mechanical (Included) | (1) 6–2/0 AWG |
| SDGT300300 | SDAG26 | Mechanical (Included) | (2) 6 AWG–300 kcmil | Mechanical (Included) | (1) 6 AWG–300 kcmil |
| QOGL20 Grounding Terminals | SDAG26 | Mechanical (Included) | (2) 6–2/0 AWG | — | — |

*[55]* UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.
*[56]* UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.
*[57]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[58]* See page 1-40
*[59]* Available in gray and white. For white equivalencies, add the “W” suffix to the reference, or see page 1-36.
*[60]* Order catalog number PK4FL for field-installed lock kit.
*[61]* One tap kit required for each riser wire.
*[62]* When used with B300 bolt-on hubs.

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## QO Standard Load Center Main Lugs and Main Breaker

**Three-phase, four-wire, 208Y/120 Vac—Three-phase, four-wire, 240/120 Vac Delta—Three-phase, three-wire, 240 Vac Delta—Indoor and Rainproof—UL Listed**

**Table 1.37: Main Lugs and Main Breaker Load Centers (Accepts Only QO Plug-on Circuit Breakers—Not compatible with QO Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Max. Number of 1P QO circuit breakers | Load Center Box and Interior | Indoor Cover with Door (Order Separately) | | Main Wire Size AWG/kcmil | | Equipment Ground Bar Kit (Order Separately) | Box No. *[63]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | Cat. No. | Flush | Surface | Al | Cu | | |
| INDOOR | **Fixed Mains—Factory-installed Main Lugs—Copper Bus—65 kA Short Circuit Current Rating** *[64]* | | | | | | | | |
| | 60 A | 3 | QO403L60NF/S | Cover Included With Load Center (No Door) | | — | 10–6 | PK4GTA | 13 |
| | 125 A | 20 | QO320L125G *[65]* | QOC24UF | QOC24US | 6–20 | 6–20 | Factory-incl. *[66]* | 7 |
| | | 24 | QO324L125G *[65]* | QOC24UF | QOC24US | | | Factory-incl. *[66]* | 7 |
| | 200 A | 18 | QO318L200G *[65]* | QOC30UF | QOC30US | 6–250 | 6–250 | Factory-incl. *[67]* | 9 |
| | | 30 | QO330L200G *[65]* | QOC30UF | QOC30US | | | Factory-incl. *[67]* | 9 |
| | 225 A | 42 | QO342L225G *[65]* | QOC42UF | QOC42US | 6–300 | 6–300 | Factory-incl. *[67]* | 11 |
| | **Convertible Mains—Factory-installed QDL Main Circuit Breaker—Copper Bus—25 kA Short Circuit Current Rating** *[68]* | | | | | | | | |
| | 100 A | 27 | QO327M100 *[69]* | QOC30UF | QOC30US | 4–2/0 | 4–2/0 | PK15GTA | 9 |
| | 125 A | 30 | QO330MQ125*[70]* *[65]* | QOC342MQF | QOC342MQS | 4–300 | 4–300 | PK18GTA | 12 |
| | 150 A | 30 | QO330MQ150*[70]* *[65]* | QOC342MQF | QOC342MQS | 4–300 | 4–300 | PK18GTA | 12 |
| | | 42 | QO342MQ150*[70]* *[65]* | QOC342MQF | QOC342MQS | | | PK23GTA | 12 |
| | 200 A | 30 | QO330MQ200*[70]* *[65]* | QOC342MQF | QOC342MQS | 4–300 | 4–300 | PK18GTA | 12 |
| | | 42 | QO342MQ200*[70]* *[65]* | QOC342MQF | QOC342MQS | | | PK23GTA | 12 |
| | 225 A | 42 | QO342MQ225*[70]* *[65]* | QOC342MQF | QOC342MQS | 4–300 | 4–300 | PK23GTA | 12 |
| RAINPROOF | **Fixed Mains—Factory-installed Main Lugs—Copper Bus—65 kA Short Circuit Current Rating** *[64]* *[71]* | | | | | | | | |
| | 60 A | 3 | QO403L60NRB | Cover Included | | — | 10–6 | PK4GTA | 10R |
| | 125 A | 12 | QO312L125GRB | | | 6–2/0 | 6–2/0 | Factory Incl. *[66]* | 3R |
| | | 20 | QO320L125GRB | | | | | Factory Incl. *[66]* | 4R |
| | 200 A | 18 | QO318L200GRB | | | 6–250 | 6–250 | Factory Incl. *[67]* | 6R |
| | | 30 | QO330L200GRB | | | | | Factory Incl. *[67]* | 6R |
| | 225 A | 42 | QO342L225GRB | | | 6–300 | 6–300 | Factory Incl. *[67]* | 8R |
| | **Convertible Mains—Factory-installed QDL Main Circuit Breaker—Copper Bus—25 kA Short Circuit Current Rating** *[68]* *[71]* | | | | | | | | |
| | 100 A | 27 | QO327M100RB *[69]* | Cover Included | | 4–2/0 | 4–2/0 | PK15GTA | 6R |
| | 125 A | 30 | QO330MQ125RB *[70]* | | | 4–300 | 4–300 | PK18GTA | 14R |
| | 150 A | 30 | QO330MQ150RB *[70]* | | | 4–300 | 4–300 | PK18GTA | 14R |
| | 200 A | 30 | QO330MQ200RB*[70]* | | | 4–300 | 4–300 | PK18GTA | 14R |
| | | 42 | QO342MQ200RB *[70]* | | | | | PK23GTA | 14R |
| | 225 A | 42 | QO342MQ225RB *[70]* | | | 4–300 | 4–300 | PK23GTA | 14R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115C as Type 1, Class 2.**

OBS This product is obsolete.



QO330MQ200



QO312L125G

**Table 1.38: Three-phase, Main Circuit Breakers**

| Amperage | 25 k AIR | 65 k AIR | 100 k AIR *[72]* |
|---|---|---|---|
| **Field-installed alternate main circuit breakers for QO three-phase main circuit breaker load centers rated 70–225 A. Do not exceed the load center main rating.** | | | |
| 70 A | QDL32070 | QGL32070 | QJL32070 |
| 80 A | QDL32080 | QGL32080 | QJL32080 |
| 90 A | QDL32090 | QGL32090 | QJL32090 |
| 100 A | QDL32100 | QGL32100 | QJL32100 |
| 110 A | QDL32110 | QGL32110 | QJL32110 |
| 125 A | QDL32125 | QGL32125 | QJL32125 |
| 150 A | QDL32150 | QGL32150 | QJL32150 |
| 175 A | QDL32175 | QGL32175 | QJL32175 |
| 200 A | QDL32200 | QGL32200 | QJL32200 |
| 225 A | QDL32225 | QGL32225 | QJL32225 |

**Table 1.39: Three-phase, Main Lugs Kits**

| Main Lugs Amperage Rating | Cat. No. | Lug Wire Size AWG/kcmil |
|---|---|---|
| **Field-installed main lugs for convertible three-phase main circuit breaker load centers** | | |
| 125 A | QOL3125 | 6–2/0 Cu/Al |
| 225 A | QOL3225 | 6–300 Cu/Al |

*[63]* See page 1-40

*[64]* UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.

*[65]* For Certification to IEC 60439-1 contact the local Square D sales office; otherwise panels are **NOT** CE marked. (For use on 415Y/240 Vac 3-phase 4-wire, 3,000 Short Circuit Current Rating when QOXD...branch circuit breakers are used and 10,000 Short Circuit Current Rating when QO...VS branch circuit breakers are used).

*[66]* PK15GTA.

*[67]* PK23GTA and LK100AN.

*[68]* 25 kA short circuit current rating SSCR maximum with Square D Type QDL main circuit breaker, or 22 kA SCCR maximum with back-fed Type QO-VH main circuit breaker, feeding QO 10 k AIR branch circuit breakers.

*[69]* Includes factory-installed back fed QO3100VH main circuit breaker.

*[70]* 65 kA Short Circuit Current Rating maximum with field-installed Square D type QGL 65 k AIR minimum main circuit breaker feeding QO and Q1 10 k AIR minimum branch circuit breakers.

*[71]* Side hinge door device allow 1-1/4 in. on left side for door to open.

*[72]* When these 3P circuit breakers are used as the main circuit breaker of a three-phase load center, the maximum AIR rating is 65 kA at 240 Vac and 100 kA at 208 Vac.



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HOM 1P and 2P



HOM2200BB Branch Circuit Breaker
4 Spaces Required

Homeline plug-on circuit breakers combine broad amperage coverage, UL-certified safety features, and flexible configurations to deliver dependable circuit protection in a compact, easy-to-install format.

## Standard Plug-On Circuit Breakers

Homeline standard plug-on circuit breakers provide reliable overload and short circuit protection for residential and light commercial electrical systems. Designed for use in Homeline load centers, these UL-listed breakers are available in 1-pole (120 Vac) and 2-pole (120/240 Vac) common trip configurations with ampere ratings from 15 A to 200 A. Their plug-on design supports fast installation, while the compact 1-inch format for 1-pole breakers helps maximize panel space and circuit capacity.

Homeline large-frame circuit breakers (HOM2150BB, HOM2175BB, HOM2200BB) are high-ampere 2-pole devices rated 150 A to 200 A for use in larger residential or light commercial applications. These breakers require four panel spaces and accept conductors from 1 AWG to 300 kcmil aluminum or copper. They are intended for installation in single-phase load centers rated 150 A or greater, providing dependable high-capacity circuit protection.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.40: Standard Homeline Plug-on Circuit Breakers**

| Ampere Rating | AIR | 1P—120 Vac, 1 Space Required | 2P—120/240 Vac Common Trip 2 Spaces Required. |
|---|---|---|---|
| 15 A | 10 kA | HOM115 *[1][2]* | HOM215 *[2]* |
| 20 A | 10 kA | HOM120 *[1][2]* | HOM220 *[2]* |
| 25 A | 10 kA | HOM125 *[2]* | HOM225 *[2]* |
| 30 A | 10 kA | HOM130 *[2]* | HOM230 *[2]* |
| 35 A | 10 kA | — | HOM235 *[2]* |
| 40 A | 10 kA | HOM140 *[2]* | HOM240 *[2]* |
| 45 A | 10 kA | — | HOM245 *[2]* |
| 50 A | 10 kA | HOM150 *[2]* | HOM250 *[2]* |
| 60 A | 10 kA | — | HOM260 *[2]* |
| 70 A | 10 kA | — | HOM270 *[2]* |
| 80 A | 10 kA | — | HOM280 *[2]* |
| 90 A | 10 kA | — | HOM290 *[2]* |
| 100 A | 10 kA | — | HOM2100 *[2]* |
| 110 A | 10 kA | — | HOM2110 *[2]* |
| 125 A | 10 kA | — | HOM2125 *[2]* |
| 150 A | 10 kA | — | HOM2150BB *[2][3]* |
| 175 A | 10 kA | — | HOM2175BB *[2][3]* |
| 200 A | 10 kA | — | HOM2200BB *[2][3]* |

Homeline™ high magnetic (HOM-HM) circuit breakers are designed for applications with high inrush currents, helping prevent tripping while maintaining reliable protection. Available in 1-pole configurations rated at 120/240 Vac with a 20 A capacity, they feature high magnetic trip characteristics and a 10 kA interrupting rating for dependable fault protection.

## High Magnetic Circuit Breakers (HOM-HM)

Homeline high magnetic (HOM-HM) circuit breakers are UL listed and HACR certified, making them ideal for HVAC and refrigeration equipment with motor group combinations. Designed for plug-on installation, they integrate seamlessly into Homeline load centers, offering compact, efficient circuit protection in demanding applications.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.41: HOM-HM Circuit Breakers**

| Amperes | 1P—120/240 Vac | 2Ps |
|---|---|---|
| 20 A | HOM120HM *[2]* | — |

*[1]* UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.
*[2]* 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.
*[3]* Requires four spaces (1 AWG–300 kcmil Al/Cu). Use only in single-phase panel rated 150 A or greater.

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Schneider Electric Homeline™ ground-fault (HOM-GFI) circuit breakers provide ground-fault protection for residential and light commercial use. Available in 1- and 2-pole options with 15–50 A ratings, they offer reliable safety, compact design, and easy installation with both pigtail and plug-on neutral options.

## Ground-Fault Circuit Breakers (HOM-GFI)

Homeline HOM-GFI circuit breakers are designed to detect imbalances in electrical current and quickly interrupt power to prevent shock hazards. They offer reliable safety, compact design, and easy installation with both pigtail and plug-on neutral options. Homeline ground-fault circuit breakers (HOM-GFI) provide overload and short circuit protection combined with Class A ground fault protection that trips at 6 mA to help protect people from electrical shock. Designed for residential applications and compliant with UL standards, these breakers are available in 1-pole (120 Vac) and 2-pole (120/240 Vac) configurations with ampere ratings from 15 A to 50 A.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.



HOM 1P GFI
(With Ground Fault Circuit Interrupter)
1 Space Required



HOM 2P GFI
(With Ground Fault Circuit Interrupter)
2 Spaces Required

**Table 1.42: HOM-GFI Circuit Breakers**

| Circuit Breaker Type | Ampere Rating | AIR | 1P—120 Vac 1 Space Required | 2P—120/240 Vac Common Trip 2 Spaces Required |
|---|---|---|---|---|
| Ground-Fault Circuit Interrupter(Pigtail Neutral) | 15 A | 10 kA | HOM115GFI | HOM215GFI |
| | 20 A | 10 kA | HOM120GFI | HOM220GFI |
| | 25 A | 10 kA | — | HOM225GFI |
| | 30 A | 10 kA | — | HOM230GFI |
| | 35 A | 10 kA | — | HOM235GFI |
| | 40 A | 10 kA | — | HOM240GFI |
| | 45 A | 10 kA | — | HOM245GFI |
| | 50 A | 10 kA | — | HOM250GFI |
| Plug-On Neutral Ground-Fault Circuit Interrupter | 15 A | 10 kA | HOM115PGFI | — |
| | 20 A | 10 kA | HOM120PGFI | — |

Homeline HOM-CAFI circuit breakers provide advanced arc-fault protection to help prevent electrical fires in residential systems. These breakers are UL listed (including HACR type) for use with air conditioning, heating, and refrigeration equipment, ensuring reliable, code-compliant performance. Available in 1- and 2-pole configurations with 15 A and 20 A ratings, they offer both pigtail and plug-on neutral options for easy installation.

## Combination Arc Fault Circuit Interrupters (HOM-CAFI)

Homeline combination arc fault circuit interrupters (HOM-CAFI and HOM-AF) are residential circuit breakers that provide combined overload protection, short circuit protection, and arc fault detection in compliance with NEC requirements and UL 1699. Designed for Homeline load centers, these circuit breakers are available in 1-pole and 2-pole configurations with 15 A and 20 A ratings. Installation options include plug-on neutral and pigtail neutral designs. HOM-CAFI and HOM-AF breakers are commonly used to enhance electrical safety and help prevent arc-fault-related fire hazards in residential applications.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.



HOM 1P AF
Plug-on Neutral



HOM 1P CAFI
Pigtail

**Table 1.43: HOM-CAFI and HOM-AF Circuit Breakers**

| Circuit Breaker Type | Ampere Rating | Poles 120 Vac | Cat. No. |
|---|---|---|---|
| **One-Pole** | | | |
| Combination Arc-Fault Circuit Interrupter with Pigtail Neutral | 15 A | 1 | HOM115CAFI *[4]* |
| | 20 A | 1 | HOM120CAFI *[4]* |
| Plug-On Neutral Combination Arc-Fault Interrupter | 15 A | 1 | HOM115PAF *[4]* |
| | 20 A | 1 | HOM120PAF *[4]* |
| **Two-Pole** | | | |
| Combination Arc-Fault Circuit Interrupter with Pigtail Neutral | 15 A | 2 | HOM215CAFI *[4] [5]* |
| | 20 A | 2 | HOM220CAFI *[4] [5]* |

*[4]* 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.
*[5]* For 120/240 V only, not for 208Y/120 V.



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HOM 1P AFGF
Plug-on Neutral


HOM 1P DF
Pigtail

Homeline dual function (HOM-DF) circuit breakers deliver both arc-fault and ground-fault protection in a single device, helping reduce the risk of electrical fires and shock hazards. Available in 15 A and 20 A, 1-pole configurations with pigtail and plug-on neutral options for easy installation. These breakers are UL listed (including HACR type) for use with air conditioning, heating, and refrigeration equipment.

## Dual Function Circuit Breakers (HOM-DF)

Homeline dual function circuit breakers (HOM-DF and HOM-AFGF) combine combination arc fault protection (CAFI) and ground fault protection (GFCI) with standard overload and short circuit protection in a single residential circuit breaker. Designed to meet NEC requirements and UL 1699 and UL 943 standards, these breakers simplify code compliance and improve electrical safety. Available in 1-pole configurations with 15 A and 20 A ratings, HOM-DF and HOM-AFGF breakers include plug-on neutral and pigtail options for flexible installation in Homeline load centers.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.44: HOM-DF and HOM-AFGF Circuit Breakers**

| Circuit Breaker Type | Ampere Rating | Poles 120 Vac | Cat. No. |
|---|---|---|---|
| Combination Arc-Fault and Ground Fault Circuit Interrupter with Pigtail Neutral | 15 A | 1 | HOM115DF *[6]* |
| | 20 A | 1 | HOM120DF *[6]* |
| Plug-On Neutral Combination Arc-Fault and Ground Fault Circuit Interrupter | 15 A | 1 | HOM115PAFGF *[6]* |
| | 20 A | 1 | HOM120PAFGF *[6]* |

Homeline equipment protection devices (HOM-EPD) are UL-listed circuit breakers that provide 30 mA Class B equipment ground fault protection to help protect electrical equipment from damage. These breakers combine overload and short circuit protection with ground fault detection and are available in 1-pole (120 Vac) and 2-pole common trip (120/240 Vac) configurations, with ampere ratings from 20 A to 50 A for residential and light commercial applications.

## Equipment Protection Device (HOM-EPD)

The Homeline equipment protection device (HOM-EPD) is a compact, dual-function solution that combines standard circuit breaker performance with built-in equipment protection. This helps to safeguard residential electrical systems and connected appliances from power disturbances. HOM-EPD circuit breakers are designed for seamless integration into Homeline load centers and offers reliable protection in a space-efficient format.

Available in both 1-pole (120 Vac) and 2-pole (120/240 Vac common trip) configurations, the HOM-EPD series supports a range of applications with amperage ratings of 20 A, 30 A, 40 A, and 50 A. Model options include HOM120EPD (20 A, 1-pole) and HOM220EPD, HOM230EPD, HOM240EPD, and HOM250EPD for 2-pole configurations. The HOM-EPD is ideal for residential branch circuits and provides an easy-to-install, integrated solution that enhances electrical safety while reducing the need for separate protective devices.

For additional information, refer to document number **1100CT0501** andHomeline Circuit Breakers online.

**Table 1.45: HOM-EPD Circuit Breakers**

| Amperes | 1P—120 Vac | 2P—120/240 Vac Common Trip |
|---|---|---|
| 20 A | HOM120EPD | HOM220EPD |
| 30 A | — | HOM230EPD |
| 40 A | — | HOM240EPD |
| 50 A | — | HOM250EPD |

*[6]* 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.

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Homeline (HOMT) tandem 1-pole, tandem 2-pole, and quad tandem miniature circuit breakers are designed to maximize circuit capacity in Homeline residential load centers where space is limited and the use of tandems (also known as duplex circuit breakers) is permitted. Tandem 1-pole circuit breakers provide two independent 120 V circuits in a single mounting space, tandem 2-pole breakers support 240 V loads, and quad tandem circuit breakers combine four poles to serve mixed 120/240 V applications.

## Tandem and Quad Tandem Circuit Breakers (HOMT)



HOMT Tandem Circuit Breaker

Homeline tandem and quad tandem (HOMT) circuit breakers provides a flexible, compact solution for increasing circuit density in electrical panels while maintaining safety and performance. With multiple ampere combinations and configurations, these breakers support a wide range of residential and HVAC applications. Tandem breakers fit two circuits in a single slot, while quad tandem models accommodate up to four circuits across two spaces. These breakers operate at 120/240 Vac with a 10 kA interrupting rating. They include single-pole and two-pole configurations options with common-trip functionality for enhanced safety. Suitable for residential and light commercial use, HOMT breakers are ideal for panel upgrades requiring compact, flexible circuit expansion solutions.

Typical handle ratings range from 15–50 A, depending on configuration and application, and support general lighting, receptacle circuits, and select HVAC loads. These circuit breakers are UL Listed as HACR type for use with air-conditioning, heating, and refrigeration equipment with motor group combinations. Tandem and quad tandem circuit breakers rated 15–20 A are suitable for use with 60°C or 75°C conductors, while 25–50 A versions require 75°C conductors.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.46: HOMT Tandem Circuit Breakers**

| Ampere Rating *[7]* | AIR | 1P Tandem—120/240 Vac (One Space Required) |
|---|---|---|
| 15 and 15 A | 10 kA | HOMT1515 *[8]* |
| 15 and 20 A | 10 kA | HOMT1520 *[8]* |
| 20 and 20 A | 10 kA | HOMT2020 *[8]* |
| 30 and 15 A | 10 kA | HOMT3015 *[8]* |
| 30 and 20 A | 10 kA | HOMT3020 *[8]* |



HOMT1515215
2 Spaces Required

**Table 1.47: HOMT Quad Tandem 1P Circuit Breakers**

| Ampere Rating *[7]* | | AIR | 2P Tandem—120/240 Vac (Two Spaces Required) |
|---|---|---|---|
| 1P | 2P | | |
| (2) 15 A | 15 A | 10 kA | HOMT1515215 |
| (2) 15 A | 20 A | 10 kA | HOMT1515220 |
| (2) 15 A | 30 A | 10 kA | HOMT1515230 |
| (2) 15 A | 40 A | 10 kA | HOMT1515240 |
| (2) 15 A | 50 A | 10 kA | HOMT1515250 |
| (2) 20 A | 20 A | 10 kA | HOMT2020220 |
| (2) 20 A | 25 A | 10 kA | HOMT2020225 |
| (2) 20 A | 30 A | 10 kA | HOMT2020230 |
| (2) 20 A | 40 A | 10 kA | HOMT2020240 |
| (2) 20 A | 50 A | 10 kA | HOMT2020250 |

**NOTE:** Typical catalog no. (e.g. HOMT 1515230) represents two 1P, outer poles (two 15 A 1P CBs) and one 2P inner circuit breaker with common trip (one 30 A 2P CB).



HOMT225225
2 Spaces Required

**Table 1.48: HOMT Quad Tandem 2P Circuit Breakers**

| Ampere Rating *[7]* | | AIR | (2) 2P Tandem—120/240 Vac (Two Spaces Required) |
|---|---|---|---|
| 2P | 2P | | |
| 15 A | 15 A | 10 kA | HOMT215215 |
| 15 A | 20 A | 10 kA | HOMT215220 |
| 15 A | 25 A | 10 kA | HOMT215225 |
| 15 A | 30 A | 10 kA | HOMT215230 |
| 15 A | 40 A | 10 kA | HOMT215240 |
| 15 A | 50 A | 10 kA | HOMT215250 |
| 20 A | 20 A | 10 kA | HOMT220220 |
| 20 A | 25 A | 10 kA | HOMT220225 |
| 20 A | 30 A | 10 kA | HOMT220230 |
| 20 A | 40 A | 10 kA | HOMT220240 |
| 20 A | 50 A | 10 kA | HOMT220250 |
| 25 A | 25A | 10 kA | HOMT225225 |
| 25 A | 30 A | 10 kA | HOMT225230 |
| 25 A | 40 A | 10 kA | HOMT225240 |
| 25 A | 50 A | 10 kA | HOMT225250 |
| 30 A | 30 A | 10 kA | HOMT230230 |
| 30 A | 40 A | 10 kA | HOMT230240 |
| 30 A | 50 A | 10 kA | HOMT230250 |

**NOTE:** Typical catalog no. (i.e. HOMT215230) represents two 2P; outer poles (one 15 A 2P with common trip) and inner poles (one 30 A 2P with common trip).

*[7]* 15–20 A tandem or quad tandem circuit breakers are suitable for use with 60°C or 75°C conductors. 25–50 A tandem or quad tandem circuit breakers are suitable for use with 75°C conductors only.

*[8]* 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.



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Homeline™ circuit breakers provide a wide range of copper and aluminum wire sizes based on breaker type and amperage rating, helping to ensure proper conductor selection and safe installations. 15–30 amp breakers support standard residential branch-circuit wiring, while 40–125 amp breakers support larger conductors for higher-load applications. 2-pole circuit breakers up to 200 amps are compatible with large AWG and kcmil conductors for feeder and service applications. Tandem, quad, and GFI Homeline circuit breakers offer added flexibility while maintaining clear wire size guidelines for safety and code compliance.

## Wire Sizes for Homeline Circuit Breakers

Homeline™ circuit breakers support applications with amp ratings from 15 A to 200 A and compatibility for both copper and aluminum conductors. Configurations are available in 1-pole, 2-pole, tandem/quad, and GFI configurations, offering flexible installation options. Wire size ranges from 14 AWG to 300 kcmil, depending on breaker type and amperage. Standard circuits (15–30 A) support smaller gauges, and higher-capacity breakers (up to 200 A) support larger conductors.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.49: Wire Sizes for use with Homeline Circuit Breakers**

| Breaker Type | Ampere Rating | Wire Size (AWG/kcmil) *[9]* | |
|---|---|---|---|
| | | Aluminum | Copper |
| HOM 1P | 15–30 A | 14–8 AWG | 14–8 AWG or (2) 14–10 AWG |
| | 40–50 A | 8–2 AWG | 8–2 AWG |
| HOM 2P | 15–30 A | 14–8 AWG | 14–8 AWG or (2) 14–10 AWG |
| | 35–70 A | 8–2 AWG | 8–2 AWG |
| | 80–125 A | 4–2/0 AWG | 4–2/0 AWG |
| | 150–200 A | 4 AWG–300 kcmil | 4 AWG–300 kcmil |
| HOMT and Quad | 15–30 A | 14–8 AWG | 14–8 AWG |
| Quad Only | 40–50 A | 6–12 AWG | 6–14 AWG |
| HOM-GFI - 1P | 15–20 A | 14–10 AWG | 14–10 AWG |
| HOM-GFI - 2P | 15–50 A | 12–4 AWG | 14–6 AWG |

*[9]* 15–30 A circuit breakers are suitable for use with 60°C or 75°C conductors. 40–125 A circuit breakers are suitable for use with 75°C conductors.

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Homeline™ accessories expand the functionality of circuit breaker systems with a range of compatible components such as hand ties, handle blocking devices, padlock attachments, and sub-feed lugs kits designed for easy integration. These accessories support enhanced protection, system customization, and quick installation. Built for seamless use with Homeline load centers, they help improve overall performance and flexibility.

## Accessories for Homeline Circuit Breakers

The Homeline accessories provide secure circuit breaker control, enhanced safety, and flexible distribution options for residential and light commercial load centers. Accessories include handle ties, handle blocking devices, padlock attachments, and sub-feed lugs kits, along with catalog numbers and application notes to help select the correct part for specific circuit breaker configurations.

Handle ties and handle control devices enable functional configuration and secure operation of the circuit breakers. Handle ties convert two adjacent 120/240 V single-pole circuit breakers into an independent-trip two-pole assembly, and handle clamps and blocking devices hold circuit breaker handles in the ON or OFF position. Padlock attachments provide lockout/tagout and controlled access to electrical systems, with ampere ratings from 15 A up to 225 A, and are available for standard, AF, CAFI, AFGF, GFI, DF, EPD, quad, and main circuit breakers. Sub-feed lug kits, rated 125 A and 225 A, enable downstream panel feeding from Homeline load centers and are compatible with copper or aluminum conductors.

For additional information, refer to document number **1100CT0501** and Homeline Circuit Breakers online.

**Table 1.50: Accessories for Use with Homeline Circuit Breakers**

| Description | | Cat. No. |
|---|---|---|
| **Handle Attachments** | | |
| Handle Tie: Converts any two adjacent 120/240 Vac single HOM circuit breakers to independent trip 2P | | HOM1HT |
| Handle Tie: Converts any two adjacent 120/240 Vac 1P side-by-side HOMT circuit breakers to independent trip 2P | | HOMTHT |
| Handle Clamp: Clamp for holding HOM 1P handle in the ON or OFF position | | QO1LO |
| Handle Blocking Device: Attaches to standard HOM 2P circuit breakers for holding the handle in the OFF position | | HOM2HBD |
| Handle Padlock Attachment: For padlocking 1P Standard HOM breakers in the ON or OFF position | | HOM1PA |
| Handle Padlock Attachment: For padlocking 2P Standard HOM circuit breakers in ON or OFF position | 15–70 A | HOM2PALA |
| | 80–125 A | HOM2PAHA |
| Handle Padlock Attachment: For padlocking 1P CAFI, DF, GFI, and EPD HOM breakers in ON or OFF position | | HOMELEC1PA |
| Handle Padlock Attachment: For padlocking 1P AF and AFGF HOM breakers in OFF position | | HOMADV1PAF |
| Handle Padlock Attachment: For padlocking 2P CAFI, GFI, and EPD HOM breakers in ON or OFF position | | HOMELEC2PALA |
| Handle Padlock Attachment: For padlocking center poles of Homeline Quad breakers in the OFF position | | HOMQPA |
| Handle Padlock Attachment: For padlocking main circuit breakers in convertible load center in OFF position | 50–125 A | QOM1PA *[10]* |
| | 100–225 A | QOM2PA *[10]* |
| **Sub-Feed Lugs** | | |
| 125 A 2P plug-on—2 spaces required | | HOML2125 |
| 225 A 2P plug-on—4 spaces required | | HOML2225 *[11]* |

*[10]* 50–125 A QOM1 frame size; 100–225 A QOM2 frame size.
*[11]* Requires four spaces (1 AWG–300 kcmil Al/Cu). Use only in single-phase panel rated 150 A or greater.


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## HOM Standard Load Center Main Lugs, Fixed Mains

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

**Table 1.51: Fixed Main Lugs Load Centers (Accepts Only HOM Plug-on Circuit Breakers - Not compatible with HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[1]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover *[2]* | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[3]* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Al | Cu | | | |
| INDOOR | **Main Lugs—10 kA Short Circuit Current Rating** Order HOM Circuit Breakers (See page ) Factory-installed Fixed Main Lugs | | | | | | | | | |
| | 70 A | 2 | 4 | 2 | HOM24L70F/S*[4] [5]* | 12–3 | 14–4 | 70 | PK3GTA1 | 2 |
| | 100 A | 6 | 12 | 6 | HOM612L100F/S*[4] [6]* | 8–1 | | 100 | PK7GTA | 4 |
| | 125 A | 4 | 8 | 4 | HOM48L125GC | 12–2/0 | 14–2/0 | 125 | PK7GTA Included | 21 |

## HOM Plug-on Neutral Load Center Main Lugs, Convertible Mains

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

**Table 1.52: Convertible Main Lugs Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[1]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover *[2]* | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[3]* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Al | Cu | | | |
| INDOOR | Convertible Mains—Factory-installed Main Lugs<br>QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 125 A | 8 | 16 | 8 | HOM816L125PC | 6–2/0 | 6–1 | 125 | PK9GTA | 6 |
| | | 12 | 24 | 12 | HOM1224L125PC | | 6–1 | 125 | PK15GTA | 6 |
| | | 16 | 32 | 16 | HOM1632L125PC[OBS] | | 6–1/0 | 125 | PK15GTA | 8 |
| | | 20 | 40 | 20 | HOM2040L125PC | | 6–1/0 | 125 | PK18GTA | 8 |
| | | 30 | 60 | 30 | HOM3060L125PC | | 6–2/0 | 125 | PK23GTA | 10 |
| | Convertible Mains—Factory-installed Main Lugs<br>QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 225 A | 30 | 60 | 30 | HOM3060L225PC | 4–300 | 4–250 | 225 | PK23GTA | 10 |
| | | 40 | 80 | 40 | HOM4080L225PC | | | 225 | PK27GTA | 12 |
| | | 42 | 84 | 42 | HOM4284L225PC | | | 225 | PK27GTA | 12 |
| | | 60 | 120 | 60 | HOM60120L225PC | | | 225 | PK27GTA | 25 |
| | Convertible Mains—Factory-installed Main Lugs—Ground Bar Included<br>QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 125 A | 8 | 16 | 8 | HOM816L125PGC | 6–2/0 | 6–1 | 125 | PKGTALP1 Included | 6 |
| | | 12 | 24 | 12 | HOM1224L125PGC | | 6–1 | 125 | PKGTALP1 Included | 6 |
| | | 20 | 40 | 20 | HOM2040L125PGC | | 6–1/0 | 125 | PKGTALP1 Included | 8 |
| | | 24 | 48 | 24 | HOM2448L125PGC | | 6–1/0 | 125 | PKGTALP2 Included | 8 |
| | Convertible Mains—Factory-installed Main Lugs—Ground Bar Included<br>QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 225 A | 30 | 60 | 30 | HOM3060L225PGC | 4–300 | 4–250 | 225 | PKGTALP2 Included | 10 |
| | | 16 | 32 | 16 | HOM1632L225PGC[OBS] | | | 225 | PKGTALP1 Included | 9 |
| | | 20 | 40 | 20 | HOM2040L225PGC | | | 225 | PKGTALP1 Included | 9 |
| | | 40 | 80 | 40 | HOM4080L225PGC | | | 225 | PKGTALP3 Included | 12 |
| | | 42 | 84 | 42 | HOM4284L225PGC | | | 225 | PKGTALP3 Included | 12 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**
[OBS] This product is obsolete.

*[1]* Maximum single pole branch circuits utilizing HOM and/or HOMT circuit breakers.
*[2]* C at end of catalog number indicates combination flush/surface cover included with device.
*[3]* See page 1-40
*[4]* F/S at end of catalog number indicates to order F for flush device or S for surface device. The cover does not have a door.
*[5]* HOM-GFI and HOM-AFI branch circuit breakers are limited to number 10 maximum wire.
*[6]* 70 A maximum branch circuit breaker, 100 A maximum back feed main circuit breaker.

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## 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.



QOM1 Frame Size
50–125 Amperes

**Table 1.53: QOM1 Frame Size**

| Main Circuit Breaker Rating *[7]* | Convertible Load Center Mains Rating | 22 k AIR *[8]* Main Circuit Breaker | Lug Wire Size *[9]* 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 | |



QOM2 Frame Size
100–225 Amperes

**Table 1.54: QOM2 Frame Size**

| Main Circuit Breaker Rating *[7]* | Convertible Load Center Mains Rating | 22 k AIR *[8]* Main Circuit Breaker *[10]* | Lug Wire Size *[9]* 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 | |

*[7]* Do not exceed the load center mains rating.
*[8]* 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.
*[9]* 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.
*[10]* Add suffix 1021 for 120, 208 or 240 Vac shunt trip.



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## HOM Plug-on Neutral Load Center Main Breaker, Convertible Mains

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**

**Table 1.55: Convertible Main Breaker Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[11]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover *[12]* | Main Wire Size AWG/kcmil Al | Main Wire Size AWG/kcmil Cu | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[13]* |
|---|---|---|---|---|---|---|---|---|---|---|
| INDOOR | **Main Circuit Breaker—**22 kA Short Circuit Current Rating<br>Convertible Mains—Factory-installed Main Circuit Breaker<br>QOM1 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 100 A | 8 | 16 | 8 | HOM816M100PC | 6–1 | | 125 | PK9GTA | 5 |
| | | 12 | 24 | 12 | HOM1224M100PC | 6–2/0 | | 125 | PK15GTA | 6 |
| | | 20 | 40 | 20 | HOM2040M100PC | 6–1 | | 125 | PK18GTA | 7 |
| | | 24 | 48 | 24 | HOM2448M100PC | 6–2/0 | | 125 | PK23GTA | 8 |
| | | 30 | 60 | 30 | HOM3060M100PC | 6–2/0 | | 125 | PK23GTA | 10 |
| | 125 A | 24 | 48 | 24 | HOM2448M125PC | 6–2/0 | 6–1/0 | 125 | PK23GTA | 8 |
| | | 30 | 60 | 30 | HOM3060M125PC | | 6–2/0 | 125 | PK23GTA | 10 |
| | Convertible Mains—Factory-installed Main Circuit Breaker<br>QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | |
| | 150 A | 30 | 60 | 30 | HOM3060M150PC | 4–250 | | 225 | PK23GTA | 10 |
| | 200 A | 20 | 40 | 20 | HOM2040M200PC | 4–250 | | 225 | PK18GTA | 9 |
| | | 30 | 60 | 30 | HOM3060M200PC | | | 225 | PK23GTA | 10 |
| | | 40 | 80 | 40 | HOM4080M200PC | | | 225 | PK27GTA | 12 |
| | | 42 | 84 | 42 | HOM4284M200PC | | | 225 | PK27GTA | 12 |
| | | 60 | 120 | 60 | HOM60120M200PC | | | 225 | PK27GTA | 25 |
| | 225 A | 42 | 84 | 42 | HOM4284M225PC | 4–300 | 4–250 | 225 | PK27GTA | 12 |
| | Split Bus Plug-on Neutral Load Center—Manual Transfer for use with Temporary Backup Power Source Applications NEMA 1 (indoor) | | | | | | | | | |
| | 200 A | 36 | 72 | 36 | HOM1428X2244M200PC | 4–250 | | — | PK27GTA | 12 |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**

## Single-phase, Field-Installed Mains Kits



QOL125



QOL225

**Table 1.56: Single-phase Field Installed Main Lug Kits – Use with Convertible Main Load Centers Only**

| Field-Installed Main Type | Frame Size | Main *[14]* Ampere Rating | Use on Convertible Load Center with Mains Rating | Cat. No. | Lug Wire Size *[15]* AWG/kcmil |
|---|---|---|---|---|---|
| Main Lugs *[16]* | — | 125 A | 100–125 A | QOL125 | 6–2/0 Al or Cu |
| | | 125 A | 100–125 A | QOL125VD | 6–4/0 Al or Cu |
| | | 225 A | 150–225 A | QOL225 | 6–300 Al or Cu |
| Main Circuit Breaker *[17]* | QOM1 | 50 A | 100–125 A | QOM50VH | 12–2/0 Al or Cu |
| | | 60 A | 100–125 A | QOM60VH | |
| | | 70 A | 100–125 A | QOM70VH | |
| | | 80 A | 100–125 A | QOM80VH | |
| | | 90 A | 100–125 A | QOM90VH | |
| | | 100 A | 100–125 A | QOM100VH | |
| | | 110 A | 125 A | QOM110VH | |
| | | 125 A | 125 A | QOM125VH | |
| | QOM2 *[18]* | 100 A | 150–225 A | QOM2100VH | 4–300 Al or Cu |
| | | 125 A | 150–225 A | QOM2125VH | |
| | | 150 A | 150–225 A | QOM2150VH | |
| | | 175 A | 200–225 A | QOM2175VH | |
| | | 200 A | 200–225 A | QOM2200VH | |
| | | 225 A | 225 A | QOM2225VH | |

*[11]* Maximum single pole branch circuits utilizing HOM and/or HOMT circuit breakers.
*[12]* C at end of catalog number indicates combination flush/surface cover included with device.
*[13]* See page 1-40
*[14]* Do not exceed the load center mains rating.
*[15]* Wire range listed for main device kits is the wire range of that device. To find out maximum wire size permitted in a particular load center per UL, see tables in page 1-12 and page 1-34 under Main Wire Size.
*[16]* If main circuit breaker knockout has been removed from the load center's trim, order appropriate filler plate from page 1-35.
*[17]* 22 k AIR main circuit breaker UL Listed for use ahead of HOM and HOMT 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.
*[18]* Add suffix 1021 for 120, 208, 240 Vac shunt trip.

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## HOM Plug-on Neutral Load Centers with Qwik-Grip

**Single-phase, three-wire—120/240 Vac Indoor—UL Listed**



HOM Plug-on Neutral
Load Center with Qwik-Grip

The Square D Homeline plug-on neutral load centers with Qwik-Grip simplify rough-in by eliminating the need to remove knockouts, install wire connectors, and blindly pull wire into the load center. A quick bend of the wire using the wire bend guide on the Qwik-Grip insert and the wire slides into the slot. Once inserted, the Qwik-Grip shield snaps on to keep the wire behind the router for a secure, code-compliant installation.

**Table 1.57: Plug-on Neutral Load Centers with Qwik-Grip (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Main Ratings | Spaces | Max. 1P Circuits | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit | Box No. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Al | Cu | | | |
| INDOOR | 125 A | 24 | 48 | 24 | HOM2448L125PQGC | 6–2/0 | 6–1/0 | 125 | PKGTALP2 Included | 8Q |
| | | 30 | 60 | 30 | HOM3060L125PQGC | 6–2/0 | 6–2/0 | 125 | PKGTALP2 Included | 10Q |
| | Convertible Mains—Factory-Installed Main Lugs, 10 kA Short Circuit Current Rating— QOM2 Main Frame Size, Convertible to Main Circuit Breaker | | | | | | | | | |
| | 225 A | 30 | 60 | 30 | HOM3060L225PQGC | 4–250 | | 225 | PKGTALP2 Included | 10Q |
| | | 40 | 80 | 40 | HOM4080L225PQGC | 4–250 | | 225 | PKGTALP3 Included | 12Q |
| | | 42 | 84 | 42 | HOM4284L225PQGC | 4–250 | | 225 | PKGTALP3 Included | 12Q |
| | Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating— QOM2 Main Circuit Breaker Frame Size, Convertible to Main Lugs or Main Circuit Breaker | | | | | | | | | |
| | 200 A | 30 | 60 | 30 | HOM3060M200PQC | 4–250 | | 225 | PK23GTA (Order separately) | 10Q |
| | | 40 | 80 | 40 | HOM4080M200PQC | 4–250 | | 225 | PK27GTA (Order separately) | 12Q |
| | | 42 | 84 | 42 | HOM4284M200PQC OBS | 4–250 | | 225 | PK27GTA (Order separately) | 12Q |

OBS This product is obsolete.

## Homeline Service Upgrade Load Centers

**Single-phase, three-wire—120/240 Vac Special Applications—UL Listed**

**Table 1.58: Service Upgrade Load Centers with Removable End Walls (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. 1P Circuits *[19]* | Max. Tandem Circuit Breakers | Load Center Box and Interior | Extra Long Cover with Door (Order Separately) | | Main Wire Size AWG / Kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[20]* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Flush | Surface | Al | Cu | | | |
| Convertible Mains—Factory-Installed Main Circuit Breaker—22KA QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See page )—Copper Bus *[21]* | | | | | | | | | | | | |
| INDOOR | 200 A | 30 | 60 | 30 | HOM3060M200PCEP OBS *[22]* | HOMC30UFL | — | 4-250 | | 225 | PK23GTA | 10 |

OBS This product is obsolete.

*[19]* Maximum single pole branch circuits utilizing HOM and/or HOMT circuit breakers.
*[20]* See page 1-40
*[21]* 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.
*[22]* Ships with standard length cover.



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## HOM Standard Load Center Main Lugs, Fixed Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

**Table 1.59: Fixed Main Lugs Load Centers (Accepts Only HOM Plug-on Circuit Breakers - Not compatible with HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[23]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[24]* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cat. No. (DE3C) | Al | Cu | | Cat. No. (DE3A) | |
| RAINPROOF | **Main Lugs**—10 kA Short Circuit Current Rating<br>Factory-installed Fixed Main Lugs, 10 kA Short Circuit Current Rating | | | | | | | | | |
| | 70 A | 2 | 4 | 2 | HOM24L70RB *[25]* | 12–3 | 14–4 | 70 | PK4GTA | 1R |
| | 100 A | 6 | 12 | 6 | HOM612L100RB *[26]* | 8–1 | | 100 | PK7GTA | 2R |
| | 125 A | 4 | 8 | 4 | HOM48L125GRB | 12–2/0 | 14–2/0 | 125 | PK7GTA Included | 15R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**

## HOM Plug-on Neutral Load Center Main Lugs, Convertible Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

**Table 1.60: Convertible Main Lugs Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Bus Rating | Spaces | Max. Single Pole Circuits *[23]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[24]* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Cat. No. (DE3C) | Al | Cu | | Cat. No. (DE3A) | |
| RAINPROOF | Convertible Mains with Factory-installed Main Lugs *[27]*, QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See Below) | | | | | | | | | | |
| | 125 A | 125 | 8 | 16 | 8 | HOM816L125PRB | 6–2/0 | 6–1 | 125 | PK9GTA | 3R |
| | | 125 | 12 | 24 | 12 | HOM1224L125PRB | | | 125 | PK15GTA | 3R |
| | | 125 | 20 | 40 | 20 | HOM2040L125PRB | | | 125 | PK18GTA | 4R |
| | | 125 | 24 | 48 | 24 | HOM2448L125PRB | | | 125 | PK23GTA | 6R |
| | Convertible Mains with Factory-installed Main Lugs *[27]*, QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See Below) | | | | | | | | | | |
| | 225 A | 225 | 12 | 12 | 0 | HOM12L225PRB | 4–300 | 4–250 | 225 | PK9GTA | 5R |
| | | 225 | 16 | 32 | 16 | HOM1632L225PRB OBS | | | 225 | PK15GTA | 6R |
| | | 225 | 20 | 40 | 20 | HOM2040L225PRB | | | 225 | PK18GTA | 6R |
| | | 225 | 30 | 60 | 30 | HOM3060L225PRB | | | 225 | PK23GTA | 7R |
| | | 225 | 40 | 80 | 40 | HOM4080L225PRB | | | 225 | PK27GTA | 14R |
| | | 225 | 42 | 84 | 42 | HOM4284L225PRB | | | 225 | PK27GTA | 14R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**
OBS This product is obsolete.

## HOM Plug-on Neutral Load Center Main Breaker, Convertible Mains

**Single-phase, three-wire—120/240 Vac Rainproof—UL Listed**

**Table 1.61: Convertible Main Breaker Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. Single Pole Circuits *[23]* | Max. Tandem Circuit Breakers | Load Center Box, Interior and Cover | Main Wire Size AWG/kcmil | | Bus Rating | Equipment Ground Bar Kit (Order Separately) | Box No. *[24]* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cat. No. (DE3C) | Al | Cu | | Cat. No. (DE3A) | |
| | **Main Circuit Breaker—**22 kA Short Circuit Current Rating<br>Convertible Mains with Factory-Installed Main Circuit Breaker, QOM1 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below) *[28]* | | | | | | | | | |
| RAINPROOF | 100 A | 8 | 16 | 8 | HOM816M100PRB | 6–2/0 | 6–1 | 125 | PK9GTA | 3R |
| | | 12 | 24 | 12 | HOM1224M100PRB | | | 125 | PK15GTA | 3R |
| | | 20 | 40 | 20 | HOM2040M100PRB | | | 125 | PK18GTA | 4R |
| | 125 A | 8 | 16 | 8 | HOM816M125PRB OBS | 6–2/0 | 6–1 | 125 | PK9GTA | 3R |
| | | 24 | 48 | 24 | HOM2448M125PRB | | | 125 | PK23GTA | 6R |
| | Convertible Mains with Factory-installed Main Circuit Breaker , QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below) | | | | | | | | | |
| | 150 A | 30 | 60 | 30 | HOM3060M150PRB | 4–250 | | 225 | PK23GTA | 7R |
| | 200 A | 12 | 12 | 0 | HOM12M200PRB | 4–250 | | 225 | PK9GTA | 5R |
| | | 20 | 40 | 20 | HOM2040M200PRB | | | 225 | PK18GTA | 6R |
| | | 30 | 60 | 30 | HOM3060M200PRB | | | 225 | PK23GTA | 7R |
| | | 40 | 80 | 40 | HOM4080M200PRB | | | 225 | PK27GTA | 14R |
| | Convertible Mains with Factory-installed Main Circuit Breaker with Feed-thru Lugs,<br>QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below) *[27]* | | | | | | | | | |
| | 150 A | 8 | 16 | 8 | HOM816M150PFTRB | 4–250 | | 150 | PK15GTA | 6R |
| | 200 A | 8 | 16 | 8 | HOM816M200PFTRB | 4–250 | | 225 | PK15GTA | 6R |

**Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.**
OBS This product is obsolete.

*[23]* Maximum single pole branch circuits utilizing HOM and/or HOMT circuit breakers.
*[24]* See page 1-42
*[25]* HOM-GFI and HOM-AFI branch circuit breakers are limited to number 10 maximum wire.
*[26]* 70 A maximum branch circuit breaker, 100 A maximum back feed main circuit breaker.
*[27]* Side hinge door device allow 1-1/4 in. on left side for door to open.
*[28]* 22 k AIR main circuit breaker UL Listed for use ahead of HOM and HOMT 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.

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## Plug-on Neutral Indoor Load Center Value Packs

**Table 1.62: Plug-on Neutral Indoor Load Center Value Packs (Compatible with Plug-on and Plug-on Neutral Circuit Breakers)**

| | Mains Rating | Spaces | Max. 1P Circuits [1] | Max. Tandem Circuit Breakers | Load Center Box, Interior, Cover and Branch Circuit Breakers | | Equipment Ground Bar Kit (Order Separately) | Main Wire Size\| AWG/kcmil\| Al/Cu | | Bus Rating | Box No. [2] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cat. No. | Included Load Center/Circuit Breakers | Cat. No. | | | | |
| INDOOR | QO (Accepts Only QO Plug-On Circuit Breakers) QO—Copper Bus; Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating Convertible appropriate to Main Lugs (See Field-Installed Main Lugs Kits, Single-phase, page 1-14) or QOM Main Circuit Breaker (See Field-Installed Main Circuit Breaker Kits, Single-phase, page 1-30) | | | | | | | | | | |
| | 125 A | 24 | 34 | 10 | QO124L125PGCVP | (1) QO124L125PGC, (3) QO120, (2) QO230 | PK15GTA Included | 6–2/0 | | 125 | 7 |
| | 225 A | 42 | 52 | 10 | QO142L225PGCVP OBS | (1) QO142L225PGC, (3) QO120, (2) QO230 | PK23GTA Included | 4–300 | | — | 11 |
| | Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating Convertible appropriate to Main Lugs or Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | | |
| | 100 A | 24 | 34 | 10 | QO124M100PCVP | (1) QO124M100PC, (3) QO120, (2) QO230 | PK15GTA | 6–2/0 | | 125 | 7 |
| | | 32 | 38 | 6 | QO132M100PCVP | (1) QO132M100PC, (3) QO120, (2) QO230 | PK18GTA | 6–2/0 | | 125 | 8 |
| | 200 A | 42 | 52 | 10 | QO142M200PCVP | (1) QO142M200PC, (3) QO120, (2) QO230 | PK23GTA | 4–300 | | 225 | 11 |
| | | 42 | 52 | 10 | QO142M200PCAFVP OBS | (1) QO142M200PC, (3) QO120, (2) QO230, (3) QO115PCAFI | PK23GTA | | | — | 11 |
| | Homeline (Accepts Only HOM Plug-On Circuit Breakers); Convertible Mains—Factory-Installed Main Lugs, 10 kA Short Circuit Current Rating Convertible to appropriate QOM 22 kA Short Circuit Current Rating Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | | |
| | 125 A | 12 | 24 | 12 | HOM1224L125PGCVP | (1) HOM1224L125PGC, (2) HOM120 | PKGTALP1 Included | 6–2/0 | 6–1 | 125 | 6 |
| | 225 A | 30 | 60 | 30 | HOM3060L225PGCVP | (1) HOM3060L225PGC, (3) HOM120, (2) HOM230 | PKGTALP2 Included | 4–300 | 4–250 | 225 | 10 |
| | Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating Convertible appropriate to Main Lugs or Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | | |
| | 100 A | 20 | 40 | 20 | HOM2040M100PCVP | (1) HOM2040M100PC, (2) HOM120, (1) HOM230 | PK18GTA | 6–1 | 6–3 | 125 | 7 |
| | | 20 | 40 | 20 | HOM2040M100PC1AVP | (1) HOM2040M100PC, (2) HOM120, (1) HOM230, (1) HOM115PCAFI | PK18GTA | 6–1 | 6–3 | 125 | 7 |
| | | 24 | 48 | 24 | HOM2448M100PCVP | (1) HOM2448M100PC, (3) HOM120, (2) HOM230 | PK23GTA | 6–2/0 | 6–1/0 | 125 | 8 |
| | 150 A | 30 | 30 | 30 | HOM3060M150PCVP | (1) HOM3060M150PC, (3) HOM120, (2) HOM230 | PK23GTA | 4–250 | | 225 | 10 |
| | 200 A | 20 | 40 | 20 | HOM2040M200PCVP | (1) HOM2040M200PC, (3) HOM120, (2) HOM230 | PK18GTA | 4–250 | | 225 | 9 |
| | | 30 | 60 | 30 | HOM3060M200PCVP | (1) HOM3060M200PC, (3) HOM120, (2) HOM230 | PK23GTA | | | 225 | 10 |
| | | 30 | 60 | 30 | HOM3060M200PC1AVP | (1) HOM3060M200PC, (3) HOM120, (2) HOM230, (1) HOM115PCAFI | PK23GTA | | | 225 | 10 |
| | | 30 | 60 | 30 | HOM3060M200PCAFVP OBS | (1) HOM3060M200PC, (3) HOM120, (2) HOM230, (3) HOM115PCAFI | PK23GTA | | | 225 | 10 |
| | | 40 | 80 | 40 | HOM4080M200PCVP | (1) HOM4080M200PC, (3) HOM120, (2) HOM230 | PK27GTA | | | 225 | 12 |
| | | 40 | 80 | 40 | HOM4080M200PC1AVP | (1) HOM4080M200PC, (3) HOM120, (2) HOM230, (1) HOM115PCAFI | PK27GTA | | | 225 | 12 |
| | | 40 | 80 | 40 | HOM4080M200PCAFVP | (1) HOM4080M200PC, (3) HOM120, (2) HOM230, (3) HOM115PCAFI | PK27GTA | | | 225 | 12 |

OBS This product is obsolete.

**Table 1.63: Plug-on Neutral with Qwik-Grip Indoor Load Center Value Packs (Compatible with Plug-on and Plug-on Neutral Breakers)**

| | Main Ratings | Spaces | Max. 1P Circuits | Max. Tandem\| Circuit Breakers | Load Center Box, Interior, Cover and Branch Circuit Breakers | | Equipment Ground Bar Kit (Order Separately) | Main Wire Size\| AWG/ kcmil\| Al/Cu | | Bus Rating | Box No. [3] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cat. No. | Included Load Center/Circuit Breakers | Cat. No. | | | | |
| INDOOR | QO Convertible Mains—Factory-Installed Main Lugs, up to 65 kA Short Circuit Current Rating—Copper Bus, QOM1 Main Frame Size, Convertible to Main Circuit Breaker | | | | | | | | | | |
| | 125 A | 24 | 34 | 10 | QO124L125PQGCVP OBS | (1) QO124L125PQGC, (3) QO120, (2) QO230 and (1) PKQGA Qwik-Grip assembly kit | PK15GTAL Included | 6–2/0 | | — | 7Q |
| | QO Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating—Copper Bus, QOM2 Main Frame Size, Convertible to Main Lugs or Main Circuit Breaker | | | | | | | | | | |
| | 200 A | 42 | 52 | 10 | QO142M200PQCVP | (1) QO142M200PQC, (3) QO120, (2) QO230 and (1) PKQGA Qwik-Grip assembly kit | PK23GTA (Order separately) | 4–250 | | 225 | 11Q |
| | Homeline Convertible Mains—Factory-Installed Main Circuit Breaker, 22kA Short Circuit Current Rating—Copper Bus, QOM1 Main Frame Size, Convertible to Main Lugs or Main Circuit Breaker | | | | | | | | | | |
| | 100 A | 20 | 40 | 20 | HOM2040M100PQCVP | (1) HOM2040M100PQC, (2) HOM120, (1) HOM230 and (1) PKQGA Qwik-Grip assembly kit | PK18GTA (Order separately) | 6–2/ 0 | 6–1 | 125 | 7Q |
| | 200 A | 30 | 60 | 30 | HOM3060M200PQCVP | (1) HOM3060M200PQC, (3) HOM120, (2) HOM230 and (1) PKQGA Qwik-Grip assembly kit | PK23GTA (Order separately) | 4–250 | | 225 | 10Q |
| | | 40 | 80 | 40 | HOM4080M200PQCVP | (1) HOM4080M200PQC, (2) HOM120, (1) HOM230 and (1) PKQGA Qwik-Grip assembly kit | PK27GTA (Order separately) | 4–250 | | 225 | 12Q |

OBS This product is obsolete.

**Table 1.64: Plug-on Neutral Rainproof Load Center Value Packs (Compatible with Plug-on and Plug-on Neutral Circuit Breakers)**

| | Main Ratings | Spaces | Max. 1P Circuits | Max. Tandem Circuit Breakers | Load Center Box, Interior, Cover and Branch Circuit Breakers | | Equipment Ground Bar Kit (Order Separately) | Main Wire Size AWG/kcmil Al/Cu | | Bus Rating | Box No. [3] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cat. No. | Included Load Center/Circuit Breakers | Cat. No. | | | | |
| RAINPROOF | Homeline (Accepts Only HOM Plug-On Circuit Breakers) Convertible Mains—Factory-Installed Main Circuit Breaker, 22 kA Short Circuit Current Rating Convertible to Main Lugs or Lower Amperage QOM2 Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33) | | | | | | | | | | |
| | 125 A | 12 | 24 | 12 | HOM1224M125PRBVP | (1) HOM1224M125PRB, (3) HOM120, (2) HOM230 | PK23GTA | 6–2/0 | 6–1 | 125 | 3R |
| | 200 A | 30 | 60 | 30 | HOM3060M200PRBVP | (1) HOM3060M200PRB, (3) HOM120, (2) HOM230 | PK23GTA | 4–250 | | 225 | 7R |

*[1]* Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
*[2]* See page 1-40 or page 1-42
*[3]* See page 1-40



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# QO Load Center Accessories

**Table 1.65: QO Load Center Accessories**

| Description | | | Cat. No. | Schedule |
|---|---|---|---|---|
| Circuit Identification Stickers | Circuit identification stickers for use on cover directory labels to identify branch circuits | | PSDS | DE5 |
| Cover Sealing Strap | Provides means of sealing trim mounting screws on QO load center covers | | QO1SE | DE3A |
| Door Lock Kits | Use with QO612L100DF/S, QO612L100DFCU/SCU, QO612L100DTF/S, QO816L100DF/S, QO816L100DFCU/SCU, QO816L100DTF/S, QO48M30DSGP, or QO48M60DSGP | | PK8FL *[4]* | DE3A |
| | Use with convertible mains, single-phase and three-phase 100–225 A, and fixed mains, three-phase 125–225 A indoor load centers | | PK6FL | DE3A |
| | Use with 300 and 400 ampere indoor load centers | | PK4FL | PE1A |
| Filler Plates | Fills opening in covers if twistout is removed in error | | QOFP | DE3A |
| | Fills main circuit breaker opening in convertible load center covers 100–125 A | | QOM1FP | DE3A |
| | Fills main circuit breaker opening in convertible load center covers 150–225 A | | QOM2FP | DE3A |
| | Fills main circuit breaker opening in three-phase load center covers (S01 and S02 Series) | | KFP OBS | DE3A |
| | Fills main circuit breaker opening in “Q” style three-phase load center covers (S03 Series) | | Q2FP | DE3A |
| Ground Bar Kits | Ground Bar Assembly—3 connectors | | PK3GTA1 | DE3A |
| | Ground Bar Assembly—4 connectors | | PK4GTA | DE3A |
| | Ground Bar Assembly—7 connectors | | PK7GTA | DE3A |
| | Ground Bar Assembly—12 connectors | | PK12GTA | DE3A |
| | Ground Bar Assembly—15 connectors | | PK15GTA | DE3A |
| | Ground Bar Assembly—18 connectors | | PK18GTA | DE3A |
| | Ground Bar Assembly—23 connectors | | PK23GTA | DE3A |
| | Ground Bar Assembly—27 connectors | | PK27GTA | DE3A |
| | Ground Bar Assembly—21 connectors. Use in high amperage load centers. | | PK15GTA6 | DE3A |
| | Standard PK15GTA with a 1–4/0 Al/Cu Lug | | PK15GTAL | DE3A |
| | Standard PK18GTA with a 1–4/0 Al/Cu Lug | | PK18GTAL | DE3A |
| | Standard PK23GTA with a 1–4/0 Al/Cu Lug | | PK23GTAL | DE3A |
| | Ground Bar Pack— PK9GTA, PK9GTA, & LK100AN | | PKGTALP1 | DE3A |
| | Ground Bar Pack— PK9GTA, PK18GTA, & LK100AN | | PKGTALP2 | DE3A |
| | Ground Bar Pack—PK15GTA, PK18GTA, & LK100AN | | PKGTALP3 | DE3A |
| | Insulator Kit for PK7GTA through PK27GTA | | PKGTAB | DE3A |
| Handle Padlock Attachments | For padlocking main circuit breakers in convertible load centers OFF | 50A–125A | QOM1PA | DE2E |
| | For padlocking main circuit breakers in convertible load centers OFF | 100A–225A | QOM2PA | DE2E |
| Neutral Bonding Screw | For use on all Homeline and QO 125A convertible main load centers | | 4028344850K | DE5 |
| | For use on QO 150A–225A convertible main load centers | | 4028345850K | DE5 |
| Neutral / Ground Lugs | Field-installed for 12– 2 Al or 14–4 Cu AWG wire | | LK70AN | DE3A |
| | Field-installed for 6–2/0 Al/Cu AWG wire | | LK100AN | DE3A |
| | Field-installed for 14–2/0 Al/Cu AWG wire | | LK125AN | DE3A |
| | Field-installed for 2–3/0 Al/Cu AWG wire | | LK150AN | DE3A |
| | Field-installed for 4 AWG to 300 kcmil Al/Cu wire. Use in Series S, 150-225A QO load center or S03 and below, 150-225A HOM load center | | LK225AN | DE3A |
| Replacement Cover Directory Label | 1 through 42 numbered universal replacement directory label for load center covers | | LSDL | DE5 |
| Retaining Kit for Breakers Used as Back-fed Mains | Secures circuit breaker to interior when used as a back-fed main. For QO612L100F/S, RB, QO612L100DF/S, QO816L100F/S, RB, QO816L100DF/S and QO148L125GF/S, GRB load centers | | PK2MB | DE3A |
| | Secures 3P circuit breaker without accessories to left side of interior when used as a back-fed main. For three-phase load centers | | PK3MB | DE3A |
| | Secures circuit breaker to interior when used as a back-fed main for 2P QO 150–200 A circuit breakers | | PK5RK OBS | DE3A |
| | Secures ONE circuit breaker with or without electrical accessories to right side of interior when used as a back-fed main For single-phase 100–125 ampere convertible main load centers. Series S01 and S02 | | PK4MB2LA | DE3A |
| | Secures ONE circuit breaker with or without electrical accessories to right side of interior when used as a back-fed main For single-phase 150–225 ampere convertible main load centers. Series S01 and S02 | | PK4MB2HA | DE3A |
| Service Entrance Barriers | QO / Homeline single-phase 100–125 A QOM1 convertible main load centers | | PKSB1LA | DE3A |
| | QO / Homeline single-phase 150–225 A QOM2 convertible main load centers | | PKSB1HA | DE3A |
| | QO three-phase convertible main load centers | | PKSB3 | DE3A |
| | QO single-phase back-fed main breaker applications | | PKSB1QOBF | DE3A |
| | QO three-phase back-fed main breaker applications | | PKSB3BF | DE3A |
| | QO2 enclosed circuit breaker devices | | PKSB1QO2 | DE3A |
| **QO Load Center Manual Power Transfer Accessories** | | | | |
| Generator Circuit Breaker Interlock Kit | For use on “G” and “S” Series NEMA 1 and “G”, “S1” and “S2” Series NEMA 3R load centers. Interlocks a QOM1 2P main circuit breaker of a load center (100–125 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | | QOCRBGK1C | DE3A |
| | For use on “G” and “S” Series NEMA 1 and “G” and “S1” Series NEMA 3R load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | | QOCGK2C | DE3A |
| | For use on “S2” Series NEMA 3R load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a QO 2P (15–125 A) branch circuit breaker. Includes a retaining kit. | | QORBGK2C | DE3A |
| Manual Transfer Equipment Kit | 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. | | QO2DTI | DE2E |
| | 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) 2P or (1) 2P and (1) 1P QO circuit breakers in QO816L100 load centers. | | QO2DTIM | DE2E |
| | Secures two 2P circuit breakers to right side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 100–125 ampere convertible main load centers. Series S01 and S02. | | PK4DTIM4LA | DE3A |
| | Secures two 2P circuit breakers to right side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 150–225 ampere convertible main load centers. Series S01 and S02. | | PK4DTIM4HA | DE3A |
| | Secures two 2P circuit breakers to left side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For single-phase 100–125 ampere convertible main load centers. Series S01 and S02. | | PK4DTIM4LAL | DE3A |

OBS This product is obsolete.

*[4]* QO403L60NF/S does not have provisions for a field-installed lock.

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**Table 1.66: QO Load Center Accessories**



PKGTAB



PK3MB



QOFP



PK6FL and PK8FL



PK4FL



4028345850K

**Table 1.67: QO Load Center Covers**

| Mains Rating | Spaces | QO Standard Covers | | | QO Mono-Flat Covers | |
|---|---|---|---|---|---|---|
| | | Flush | Surface | Flush | | |
| | | Gray Covers | | White Covers | Gray Covers | White Covers |
| **QO 1 Phase Load Center Covers — Convertible Mains** | | | | | | |
| 100 A | 12 | QOC12UF | QOC12US | — | — | — |
| | 16 | QOC20U100F | QOC20U100S | — | — | — |
| | 20 | QOC20U100F | QOC20U100S | — | — | — |
| | 24 | QOC24UF | QOC24US | QOC24UFW | — | — |
| | 32 | QOC32UF | — | QOC32UFW | — | — |
| 125 A | 12 | QOC16UF | QOC16US | QOC16UFW | — | — |
| | 16 | QOC24UF | QOC24US | QOC24UFW | — | — |
| | 20 | QOC20U100F | QOC20U100S | — | — | — |
| | 24 | QOC24UF | QOC24US | QOC24UFW | — | — |
| | 30 | QOC30U125C | — | — | — | — |
| | 32 | QOC32UF | — | QOC32UFW | — | — |
| 150 A | 20 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 24 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 30 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 32 | QOC40UF | QOC40US | QOC40UFW | — | — |
| 200 A | 12 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 20 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 24 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 30 | QOC30UF | QOC30US | QOC30UFW | QOCMF30UC | QOCMF30UCW |
| | 40 | QOC40UF | QOC40US | QOC40UFW | | |
| | 42 | QOC42UF | QOC42US | QOC42UFW | QOCMF42UC | QOCMF42UCW |
| | 54 | QOC54UF | — | QOC54UFW | QOCMF54UC | QOCMF54UCW |
| | 60 | — | — | — | QOCMF60UC | QOCMF60UCW |
| 225 A | 40 | QOC42UF | QOC42US | QOC42UFW | QOCMF42UC | QOCMF42UCW |
| | 42 | QOC42UF | QOC42US | QOC42UFW | QOCMF42UC | QOCMF42UCW |
| | 54 | QOC54UF | — | QOC54UFW | QOCMF54UC | QOCMF54UCW |
| **QO Rise Panel (Wide Gutter) Covers** | | | | | | |
| 125 A | 12 | QOC20UFWG | — | QOC20UFWGW | NQC20FWG*[5]* | NQC20FWGW |
| | 20 | QOC20UFWG | — | QOC20UFWGW | NQC20FWG | NQC20FWGW |
| 200 A | 24 | QOC30UFWG | — | QOC30UFWGW | NQC30FWG OBS | NQC30FWGW |
| | 30 | QOC30UFWG | — | QOC30UFWGW | NQC30FWG | NQC30FWGW |
| **QO 3–Phase Load Center Covers — Fixed Mains** | | | | | | |
| 125 A | 12 | QOC16UF | QOC16US | QOC16UFW | — | — |
| | 20 | QOC24UF | QOC24US | QOC24UFW | — | — |
| | 24 | QOC24UF | QOC24US | QOC24UFW | — | — |
| 200 A | 18 | QOC30UF | QOC30US | QOC30UFW | — | — |
| | 30 | QOC30UF | QOC30US | QOC30UFW | — | — |
| 225 A | 42 | QOC42UF | QOC42US | QOC42UFW | — | — |
| **QO 3–Phase Load Center Covers — Convertible Mains** | | | | | | |
| 100 A | 27 | QOC30UF | QOC30US | QOC30UFW | — | — |
| 125 A | 30 | QOC342MQF | QOC342MQS | — | — | — |
| 150 A | 30 | QOC342MQF | QOC342MQS | — | — | — |
| | 42 | QOC342MQF | QOC342MQS | — | — | — |
| 200 A | 30 | QOC342MQF | QOC342MQS | — | — | — |
| | 42 | QOC342MQF | QOC342MQS | — | — | — |
| 225 A | 42 | QOC342MQF | QOC342MQS | — | — | — |

OBS This product is obsolete.

*[5]* End of service December, 2024.



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**Table 1.68: QO Load Center Covers**


QOCMF42UCW


QOC40UFW

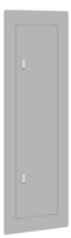

QOC20UFWG

## Homeline Load Center Accessories

**Table 1.69: Homeline Load Center Accessories**

| Description | | | Cat. No. | Schedule |
|---|---|---|---|---|
| Circuit Identification Stickers | Circuit identification stickers for use on cover directory labels to identify branch circuits | | PSDS | DE5 |
| Door Lock Kit | Use with convertible indoor load center covers (Series S-1) | | PK6FL | DE3A |
| Filler Plates | Fills opening in covers if twistout is removed in error | | HOMFP | DE3C |
| | Fills main circuit breaker opening in convertible load centers | 100–125 A | QOM1FP | DE3A |
| | | 150–225 A | QOM2FP | DE3A |
| Generator Circuit Breaker Interlock Kit | For use on “S” Series NEMA 1 and NEMA 3R load centers. Interlocks a QOM1 2P main circuit breaker of a load center (100–125 A) with a Homeline 2P (15–125 A) branch circuit breaker | | HOMCRBGK1C | DE3D |
| | For use on “S” Series NEMA 1 and “S1” Series NEMA 3R load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a Homeline 2P (15–125 A) branch circuit breaker | | HOMCGK2C | DE3D |
| | For use on “S2” and “S3” Series NEMA 3R QOM2 load centers. Interlocks a QOM2 2P main circuit breaker of a load center (150–225 A) with a Homeline 2P (15–125 A) branch circuit breaker | | HOMRBGK2C | DE3D |
| Ground Bar Kits | Ground Bar Assembly - 3 connectors | | PK3GTA1 | DE3A |
| | Ground Bar Assembly - 4 connectors | | PK4GTA1 | DE3A |
| | Ground Bar Assembly - 7 connectors | | PK7GTA1 | DE3A |
| | Ground Bar Assembly - 9 connectors | | PK9GTA1 OBS | DE3A |
| | Ground Bar Assembly - 15 connectors | | PK15GTA1 | DE3A |
| | Ground Bar Assembly - 19 connectors | | PK18GTA1 | DE3A |
| | Ground Bar Assembly - 23 connectors | | PK23GTA1 | DE3A |
| | Ground Bar Assembly - 27 connectors | | PK27GTA1 | DE3A |
| | Standard PK15GTA with a 1–4/0 Al/Cu Lug | | PK15GTA | DE3A |
| | Standard PK18GTA with a 1–4/0 Al/Cu Lug | | PK18GTAL | DE3A |
| | Ground Bar Pack - PK9GTA, PK9GTA & Lug | | PKGTALP1 | DE3A |
| | Ground Bar Pack - PK9GTA, PK18GTA & Lug | | PKGTALP2 | DE3A |
| | Ground Bar Pack - PK15GTA, PK18GTA & Lug | | PKGTALP3 | DE3A |
| | Insulator Kit for PK7GTA through PK27GTA | | PKGTAB | DE3A |
| Handle Padlock Attachment | For padlocking main circuit breakers in convertible load center, “OFF” | 50–125 A | QOM1PA | DE2E |
| | | 100–225 A | QOM2PA | DE2E |
| Neutral Bonding Screw | For use on all Homeline and QO 125A convertible main load centers | | 4028344850K | DE5 |
| | For use on QO 150A-225A convertible main load centers | | 4028345850K | DE5 |
| Neutral / Ground Lugs | Field-installed for 14–2 AWG Al or 14–4 AWG Cu wire | | LK70AN | DE3B |
| | Field-installed for 6–2/0 AWG Al/Cu wire | | LK100AN | DE3B |
| | Field-installed for 14–2/0 AWG Al/Cu wire | | LK125AN | DE3B |
| | Field-installed for 4 AWG to 300 kcmil Al/Cu wire. Use in Series S, 150-225A QO load center or S03 and below, 150-225A HOM load center | | LK225AN | DE3A |
| | Field-installed for 4 AWG–300 kcmil Al/Cu wire. Use in Series S04, 150–225 A HOM load center | | LK225ANHOM OBS | DE3A |
| Replacement Cover Directory Label | 1 through 42 numbered universal replacement directory label for load center covers | | LSDL | DE5 |
| Retaining Kit for Breakers Used as Back-fed Mains | Secures circuit breaker to interior when used as a back-fed main. For HOM612L100F/S, RB and HOM48L125GC, GRB load centers | | HOM1RK | DE3C |
| | Secures ONE circuit breaker right side of interior when used as a back-fed main For 100–125 A convertible main load centers, Series S01 and S02 | | HOM4RK2LA | DE3C |
| | Secures ONE circuit breaker right side of interior when used as a back-fed main For 150–225 A convertible main load centers, Series S01 and S02 | | HOM4RK2HA OBS | DE3C |
| | Secures circuit breaker to interior when used as a back-fed main For 2P 150–200 A circuit breakers | | HOM5RK | DE3C |
| Service Entrance Barriers | QO / Homeline single-phase 100–125 A QOM1 convertible main load centers | | PKSB1LA | DE3A |
| | QO / Homeline single-phase 150–225 A QOM2 convertible main load centers | | PKSB1HA | DE3A |
| | Homeline back-fed main breaker applications | | PKSB1HOMBF | DE3A |
| | HOM24L fixed main load centers | | PKSB1FM | DE3A |

OBS This product is obsolete.


HOMCMF60UC


HOMC12UCW

**Table 1.70: Homeline Load Center Replacement Covers**

| Mains Rating | Spacers | Homeline Standard Covers | | Homeline Mono Flat Covers |
|---|---|---|---|---|
| | | Combination | Combination | |
| | | Gray | White | Gray |
| 100 A | 8 | HOMC8UC OBS | — | — |
| | 12 | HOMC12UC OBS | HOMC12UCW OBS | — |
| | 24 | HOMC24UC | HOMC24UCW | — |
| 125 A | 8 | HOMC12UC | HOMC12UCW | — |
| | 16 | HOMC24UC | HOMC24UCW | — |
| | 20 | HOMC24UC | HOMC24UCW | — |
| | 24 | HOMC24UC | HOMC24UCW | — |
| 150 A | 16 | HOMC20UC | HOMC20UCW | — |
| | 20 | HOMC20UC | HOMC20UCW | — |
| | 30 | HOMC30UC | HOMC30UCW | — |
| 200 A | 12 | HOMC20UC | HOMC20UCW | — |
| | 16 | HOMC20UC | HOMC20UCW | — |
| | 20 | HOMC20UC | HOMC20UCW | — |

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**Table 1.70 Homeline Load Center Replacement Covers (cont'd.)**

| Mains Rating | Spacers | Homeline Standard Covers | | Homeline Mono Flat Covers |
|---|---|---|---|---|
| | | Combination | Combination | |
| | | Gray | White | Gray |
| | 30 | HOMC30UC *[6]* | HOMC30UCW | — |
| | 40 | HOMC42UC | — | — |
| | 42 | HOMC42UC | — | — |
| | 60 | HOMC60UC | — | HOMCMF60UC |
| 225 A | 16 | HOMC20UC | HOMC20UCW | — |
| | 20 | HOMC20UC | HOMC20UCW | — |
| | 30 | HOMC30UC | HOMC30UCW | — |
| | 40 | HOMC42UC | — | — |
| | 42 | HOMC42UC | — | — |
| | 60 | HOMC60UC OBS | — | HOMCMF60UC |

OBS This product is obsolete.

## QO and Homeline Qwik-Grip Load Center Accessories

**Table 1.71: Qwik-Grip Load Center Accessories**

| Description | | Cat. No. | Schedule |
|---|---|---|---|
| Qwik-Grip replacement shield | (1) Qwik-Grip shield | PKQGS | DE3A |
| Qwik-Grip fillers | (4) Qwik-Grip fillers | PKQGFP | DE3A |
| Qwik-Grip replacement insert | (1) Qwik-Grip insert | PKQGI | DE3A |
| Qwik-Grip assembly kit | (4) Qwik-Grip shields, (4) Qwik-Grip fillers | PKQGA | DE3A |

*[6]* Extra long version available HOMC30UFL



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HEPD25



HEPD50



HEPD80

## Surge Protective Devices (SPD)

**Table 1.72: Load Center and CSED Surge Protective Devices**

| Description | Cat. No. | Description | Surge Current per Phase | Schedule |
|---|---|---|---|---|
| Surge Protective Devices | QO2175SB | QO Surgebreaker | 25 kA | DE1B |
| | HOM2175SB | HOM Surgebreaker | 25 kA | DE1B |
| | HEPD25 | Single-phase, three-wire—120/240 V Compact SPD | 25 kA | DE1B |
| | SDSA2040 | Three-phase, four-wire—208Y/120 V Compact SPD | 40 kA | DE1B |
| | SDSA2040D | Three-phase, three-wire—240 V Compact SPD | 40 kA | DE1B |
| | QO250PSPD | QO Plug-on Neutral SPD | 50 kA | DE1B |
| | HOM250PSPD | HOM Plug-on Neutral SPD | 50 kA | DE1B |
| | HEPD50 | SurgeArrest Whole Home Electronic Protection | 50 kA | DE1B |
| | HEPD80 | SurgeArrest Whole Home Electronic Protection | 80 kA | DE1B |
| Surge Protective Device Mounting Kits | HEPD25MKF | HEPD25 Flush Mount Kit | — | DE1B |
| | HEPD58MKF | HEPD50 and HEPD80 Flush Mount Kit | — | DE1B |

For warranty information, see Schneider Home System Warranty Data Bulletin, 0102DB2301.



QO250PSPD



HOM250PSPD



QO2175SB



HOM2175SB

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## Indoor Enclosure Dimensions and Knockout Information

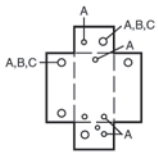
### Table 1.73: Enclosure Dimensions

| Box No. | Dimensions W in. | W mm | H in. | H mm | D in. | D mm |
|---|---|---|---|---|---|---|
| 1 | 3.81 | 97 | 6.72 | 171 | 3.00 | 76 |
| 2 | 4.81 | 122 | 9.30 | 236 | 3.19 | 81 |
| 3 | 4.81 | 122 | 9.30 | 236 | 3.19 | 81 |
| 4 | 8.88 | 226 | 12.57 | 319 | 3.80 | 97 |
| 5 | 14.25 | 362 | 14.92 | 379 | 3.75 | 95 |
| 6 | 14.25 | 362 | 17.92 | 455 | 3.75 | 95 |
| 7 | 14.25 | 362 | 20.92 | 531 | 3.75 | 95 |
| 8 | 14.25 | 362 | 26.04 | 661 | 3.75 | 95 |
| 9 | 14.25 | 362 | 29.86 | 758 | 3.75 | 95 |
| 10 | 14.25 | 362 | 33.78 | 858 | 3.75 | 95 |
| 11 | 14.25 | 362 | 37.98 | 965 | 3.75 | 95 |
| 12 | 14.25 | 362 | 39.37 | 1000 | 3.75 | 95 |

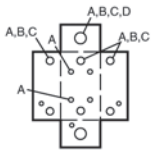
| Box No. | Dimensions W in. | W mm | H in. | H mm | D in. | D mm |
|---|---|---|---|---|---|---|
| 13 | 5.88 | 149 | 13.12 | 333 | 3.38 | 86 |
| 14 | 14.25 | 362 | 20.92 | 531 | 3.75 | 95 |
| 15 | 20.00 | 508 | 50.00 | 1270 | 5.75 | 146 |
| 16 | 20.00 | 508 | 62.00 | 1727 | 5.75 | 146 |
| 17 | 20.00 | 508 | 53.00 | 1346 | 5.75 | 146 |
| 18 | 5.88 | 149 | 16.12 | 409 | 3.38 | 86 |
| 19 | 7.56 | 192 | 23.12 | 587 | 4.25 | 108 |
| 20 | 9.62 | 244 | 26.12 | 663 | 4.75 | 121 |
| 21 | 8.88 | 226 | 14.80 | 376 | 3.80 | 97 |
| 22 | 8.55 | 217 | 23.92 | 608 | 3.95 | 100 |
| 23 | 14.25 | 362 | 29.86 | 758 | 3.75 | 95 |
| 24 | 14.25 | 362 | 43.15 | 1096 | 3.75 | 95 |
| 25 | 14.25 | 362 | 48.50 | 1235 | 3.75 | 95 |

### Table 1.74: Knockout Information

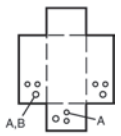
| Knockouts | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Symbol | A | B | C | D | E | F | G | H | I |
| Conduit Size | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 |



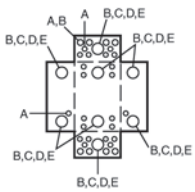
Box 1



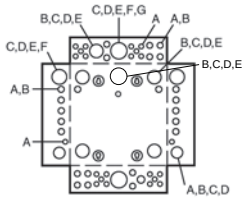
Box 2



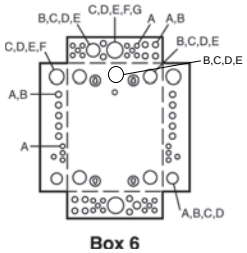
Box 3



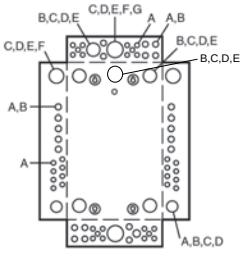
Box 4



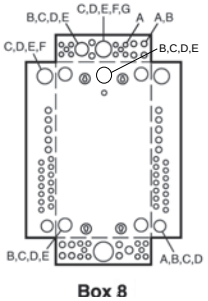
Box 5



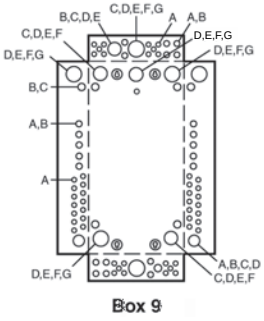
Box 6



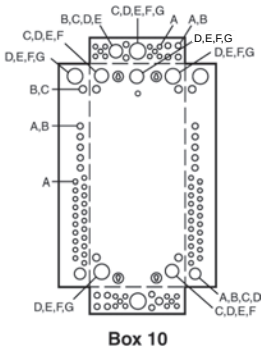
Box 7



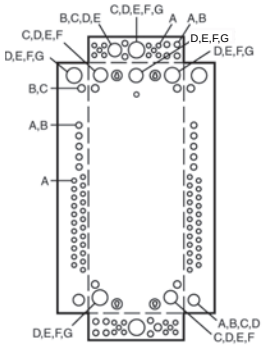
Box 8



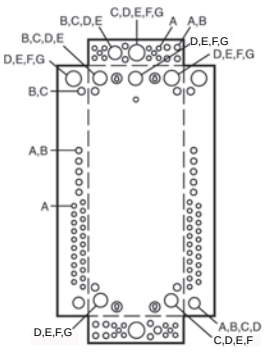
Box 9



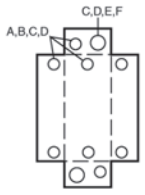
Box 10



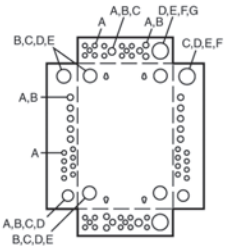
Box 11



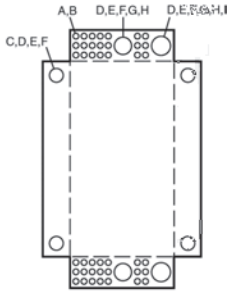
Box 12



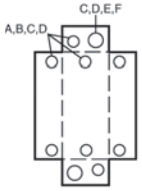
Box 13



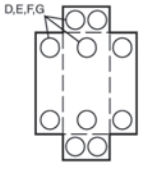
Box 14



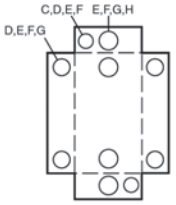
Box 15, 16, 17



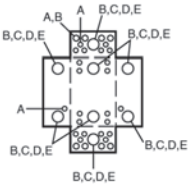
Box 18



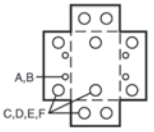
Box 19



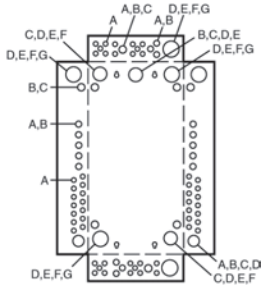
Box 20



Box 21



Box 22



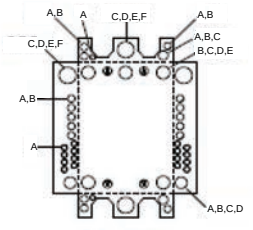
Box 23



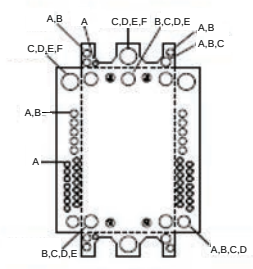
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**Table 1.75: Indoor Knockout Information and Enclosure Dimensions for Qwik Grip Loadcenters**

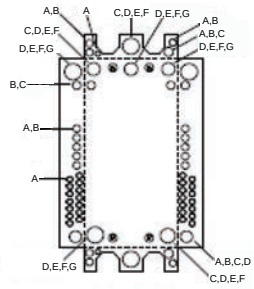
| Box No. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | W | | H | | D | |
| | in. | mm | in. | mm | in. | mm |
| 7Q | 14.25 | 362 | 20.92 | 531 | 3.75 | 95 |
| 8Q | 14.25 | 362 | 26.04 | 661 | 3.75 | 95 |
| 9Q | 14.25 | 362 | 29.86 | 758 | 3.75 | 95 |
| 10Q | 14.25 | 362 | 33.78 | 858 | 3.75 | 95 |
| 11Q | 14.25 | 362 | 37.98 | 965 | 3.75 | 95 |
| 12Q | 14.25 | 362 | 39.37 | 1000 | 3.75 | 95 |



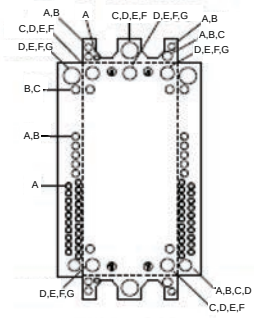
Box 7Q



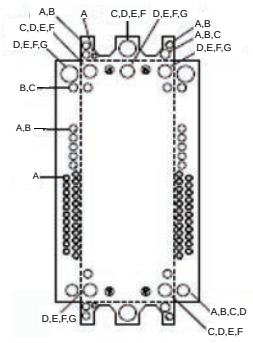
Box 8Q



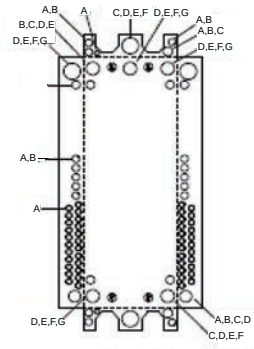
Box 9Q



Box 10Q

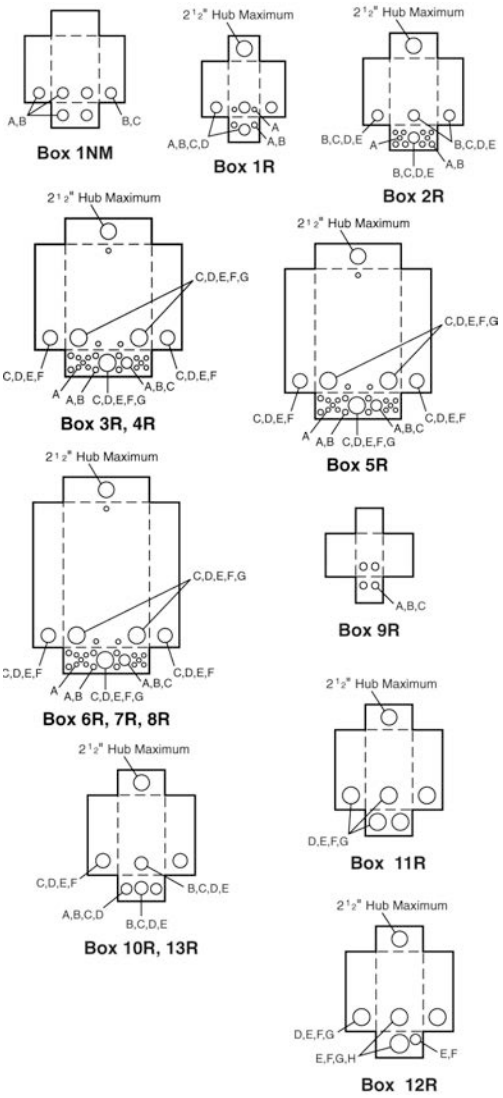


Box 11Q



Box 12Q

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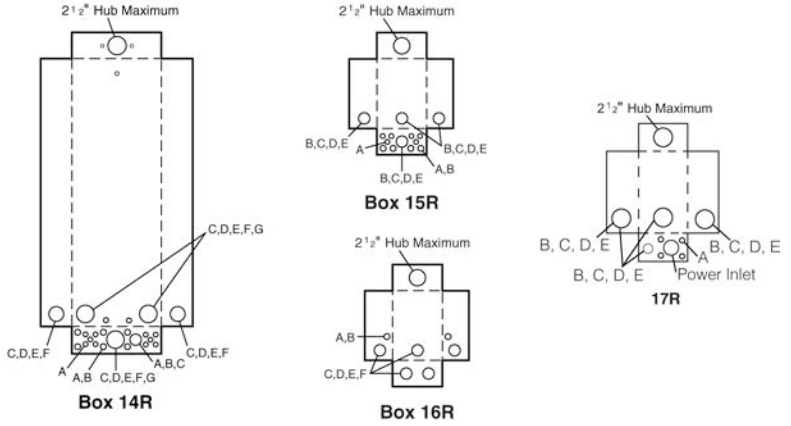

## Enclosure Dimensions and Knockout Information

### Table 1.76: Enclosure Dimensions

| Box No. | Dimensions | | | | | |
|---|---|---|---|---|---|---|
| | W | | H | | D | |
| | in. | mm | in. | mm | in. | mm |
| 1NM | 6.52 | 166 | 8.79 | 223 | 3.90 | 99 |
| 1R *[1]* | 4.88 | 124 | 9.38 | 238 | 4.00 | 102 |
| 2R | 8.88 | 226 | 12.65 | 321 | 4.27 | 108 |
| 3R | 14.75 | 375 | 18.92 | 481 | 4.52 | 115 |
| 4R | 14.75 | 375 | 22.06 | 560 | 4.52 | 115 |
| 5R | 14.75 | 375 | 26.04 | 661 | 4.52 | 115 |
| 6R | 14.75 | 375 | 29.86 | 758 | 4.52 | 115 |
| 7R | 14.75 | 375 | 33.78 | 858 | 4.52 | 115 |
| 8R | 14.75 | 375 | 37.98 | 965 | 4.52 | 115 |
| 9R | 4.56 | 116 | 6.50 | 165 | 3.88 | 99 |
| 10R | 6.92 | 176 | 13.18 | 335 | 4.12 | 105 |
| 11R | 7.56 | 192 | 23.24 | 590 | 4.75 | 121 |
| 12R | 9.62 | 244 | 26.24 | 666 | 5.50 | 140 |
| 13R | 6.92 | 176 | 16.18 | 411 | 4.12 | 105 |
| 14R | 14.75 | 375 | 39.37 | 1000 | 4.52 | 115 |
| 15R | 8.88 | 226 | 14.80 | 376 | 4.27 | 108 |
| 16R | 8.55 | 217 | 24.75 | 629 | 4.16 | 106 |
| 17R | 8.88 | 226 | 12.65 | 321 | 4.27 | 108 |

### Table 1.77: Knockout Information

| Knockouts | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Symbol | A | B | C | D | E | F | G | H |
| Conduit Size | 1/2 in. | 3/4 in. | 1 in. | 1-1/4 in. | 1-1/2 in. | 2 in. | 2-1/2 in. | 3 in. |




## Bolt-On Hubs

Square D equipment with “R’’ or “RB’’ suffix, designated NEMA 3R rainproof construction, utilizes bolt-on hubs listed below. “RB’’ devices will accept 3/4 in. through 2-1/2 in. bolt-on hubs without the use of reducers. Off-center conduit thread openings and elongated mounting holes provide quick and easy adjustment to eliminate costly conduit offsets and bends. Catalog suffix “R’’ devices require 3 in. through 4 in. field cut opening. Hubs are suitable for use with conduit having ANSI standard taper pipe thread.




### Table 1.78: Bolt-On Hubs UL Listed for Rainproof Devices

| Conduit Size | 3/4 in. | 1 in. | 1-1/4 in. | 1-1/2 in. | 2 in. | 2-1/2 in. |
|---|---|---|---|---|---|---|
| Hub Cat. No. | B075 | B100 | B125 | B150 | B200 | B250 |
| **NOTE:** Closing cap (Cat. No. BCAP) is provided factory-installed on each device having “RB’’ suffix. | | | | | | |

### Table 1.79: Bolt-On Hubs UL Listed for Mounting in Field-Cut Opening

| Conduit Size | 3 in. | 4 in. | |
|---|---|---|---|
| Hub Cat. No. | B300 | B400 | Designed for mounting in field cut opening. Includes gasket and four mounting bolts and nuts. |

*[1]* HOME250SPA and QO260NATR top endwall has no hub opening.



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## Catalog Number Logic for CSED

**Table 1.80: Catalog Numbers for Combination Service Entrance Devices**

| Number Segment | Character | Description | R | Q | C | 8 | 16 | D | 200 | C | H | X | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Socket Type | Q | QO Ringless | | | | | | | | | | | |
| | R | HOM Ringless | | | | | | | | | | | |
| | C | QO Ring type | | | | | | | | | | | |
| | S | HOM Ring type | | | | | | | | | | | |
| Service Disconnect Install | Blank | Field Installed | | | | | | | | | | | |
| | Q | Factory Installed | | | | | | | | | | | |
| Service Feed | Blank | Combination overhead/underground | | | | | | | | | | | |
| | C | Combination overhead/underground | | | | | | | | | | | |
| | O | Overhead only | | | | | | | | | | | |
| | U | Underground only | | | | | | | | | | | |
| | RA | “A” Hub provision in top endwall | | | | | | | | | | | |
| | RB | “B” Hub provision in top endwall | | | | | | | | | | | |
| Spaces (Service Discounts or Branches) | # | Maximum # of 1-pole circuits | | | | | | | | | | | |
| | # | Maximum # of 1-pole spaces | | | | | | | | | | | |
| Interior | D | Dual main service disconnects (feed-thru lugs on meter mains only) | | | | | | | | | | | |
| | F | Single main service disconnect with feed-thru lugs | | | | | | | | | | | |
| | L | Main lug interior (service disconnects field installed) | | | | | | | | | | | |
| | M | Single main service disconnect | | | | | | | | | | | |
| Amperage Rating | 100 | 100 A | | | | | | | | | | | |
| | 125 | 125 A | | | | | | | | | | | |
| | 150 | 150 A | | | | | | | | | | | |
| | 200 | 200 A | | | | | | | | | | | |
| | 225 | 225 A | | | | | | | | | | | |
| | 400 | 400 A | | | | | | | | | | | |
| Enclosure Mounting Style | C | Surface mount or convertible to semi-flush (use appropriate flange kit) | | | | | | | | | | | |
| | F | Semi-flush mount only | | | | | | | | | | | |
| | R | Reverse mount only | | | | | | | | | | | |
| | S | Surface mount only | | | | | | | | | | | |
| | PF | Home PoN semi-flush mount device | | | | | | | | | | | |
| | PS | Home PoN surface mount device | | | | | | | | | | | |
| Meter Socket Bypass Type | H | Horn by-pass | | | | | | | | | | | |
| | K | K-4 bolt-on, no by-pass | | | | | | | | | | | |
| | L | Class 320 with lever by-pass | | | | | | | | | | | |
| | N | Class 320, No by-pass | | | | | | | | | | | |
| | B | Class 320 Manual by-pass | | | | | | | | | | | |
| | Blank | No by-pass | | | | | | | | | | | |
| | X | 2 piece lever by-pass cover | | | | | | | | | | | |
| Application | S | Solar ready | | | | | | | | | | | |
| | FMG | Florida Meter Group | | | | | | | | | | | |
| | MEG | Meter Equipment Group | | | | | | | | | | | |

This table is for interpreting existing part number only. All possible combinations are not available.

**Table 1.81: Catalog Numbers Square D™ Energy Center**

| Number Segment | Character | Description | QO | W | C | 60 | M | 200 | P | F | | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architecture platform | QO | QO architecture platform | | | | | | | | | | |
| Wiser Energy | W | Wiser Energy | | | | | | | | | | |
| Socket Type | C | QO Ringless | | | | | | | | | | |
| Spaces | # | Number of Spaces | | | | | | | | | | |
| Interior | M | Single main service disconnect | | | | | | | | | | |
| Amerpage Rating | 200 | 200 A | | | | | | | | | | |
| Plug-on-neutral | P | Plug-on-neutral ready | | | | | | | | | | |
| Enclosure mounting style | F | Semi-flush mount only | | | | | | | | | | |
| | | Meter Socket Bypass Type | | | | | | | | | | |
| Application | Y | Universal — compatible with any solar inverter | | | | | | | | | | |

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# Rainproof Meter Mains

**Table 1.82: Rainproof Meter Mains**

| Ampere Rating | Bypass Type | Service (Type of Feed) | | Short Circuit Current Rating | Cat. No. | Service Disconnect(s) | | | Load Center and Branch Circuit Breakers (Order separately [1]) | | | | Hub Type (Order separately [2]) | Line Side Main Lugs AWG/ kcmil (Al/Cu) | Service Ground Lug AWG/ kcmil (Al/Cu) | Bus Rating | Weight Each (Lbs) and Pallet Qty. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2P Circuits (Max.) | Type (Order separately [3]) | Ampere Rating Max. | Max. Quantity | | | Ampere Rating Max. | | | | | |
| | | UL | UL and EU-SERC | | | | | | Spaces | 1P Circuits | 1P Tandems | | | | | | |
| **Ring Type, QO™** | | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | | |
| 125 A | None | OH/UG | — | 10 kA | C125RB | 1 | QOM1-VH | 125 A | — | — | — | — | B | 4–1/0 | 8–1/0 | — | 15, 54 |
| 200 A | None | OH/UG | — | 22 kA | CM200S | 1 | QOM2-VH | 200 A | — | — | — | — | A | 4–250 | (2)8–2/0 | — | 26, 24 |
| | | OH/UG | —<br>— | 22 kA | C2M200S OBS | 1<br>1 | QOM2-VH<br>QO-VH | 200 A<br>50 A | —<br>— | —<br>— | —<br>— | —<br>— | A | 4–250 | (2)8–2/0 | — | 27, 20 |
| | | OH/UG | — | 10 kA | C4L200S OBS | 2 | QO | 100 A | — | — | — | — | A | 4–250 | (2)8–2/0 | — | 27, 28 |
| **Ring Type, Homeline™** | | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | | |
| 125 A | None | OH/UG | OH/UG | 10 kA | SC8L125S | 4 | HOM | 125 A | — | — | — | — | A | 6–2/0 | 6–2/0 | 125 | 31, 24 |
| 200 A | None | OH/UG | OH/UG | 10 kA | SC12L200S OBS | 6 | HOM | 200 A [4] | — | — | — | — | A–L | 4–250 | 8–2/0 | 200 | 40, 10 |
| **Semiflush Mount only** | | | | | | | | | | | | | | | | | |
| 125 A | None | OH/UG | OH/UG | 10 kA | SC8L125F OBS | 4 | HOM | 110 A | — | — | — | — | A or B300 | 6–2/0 | 6–2/0 | — | 37, 20 |
| 200 A | None | OH [5]/UG | OH [5]/ UG | 10 kA | SC12L200F OBS | 6 | HOM | 200 A [6] | — | — | — | — | A–L | 4–250 | 8–2/0 | 225 | 47, 10 |
| **Surface Mount—Supplied with Feed-Thru Lugs and provisions for Branch Circuit Breakers** | | | | | | | | | | | | | | | | | |
| 150 A | None | OH/UG | —<br>UG | 10 kA | SC816D150C [7] [8]<br>SU816D150C [7] [8] OBS | 1<br>1 | HOM2150 [9]<br>HOM | 150 A<br>50 A | 8 | 16 | 8 | 100 A [10] | A or A–L | 6–300 | 8–1/0 | 200<br>— | 48, 18 |
| 200 A | None | UG | —<br>UG | 10 kA | SC816D200C [7] [8]<br>SU816D200C OBS | 1<br>1 | HOM2200 [9]<br>HOM | 200 A<br>50 A | 8 | 16 | 8 | 100 A [10] | A or A–L | 6–300 | 8–1/0 | 200<br>— | 48, 18 |
| **Ringless, QO™** | | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | | |
| 200 A | None | OH/UG | — | 22 kA | RC200S [11] | 1 | QOM2-VH | 200 A | — | — | — | — | A | 6–350 | (2)8–2/0 | — | 26, 24 |
| | Lever | | | 10 kA | RCM200SL [11] [12] | 1 | QOM2-VH | 200 A | | | | | A | 6–350 | 8-1/0 | — | 60 / 14 |
| | None | | | 22 kA | RC2M200S [11] | 1 | QOM2-VH | 200 A | | | | | A | 6–350 | (2)8–2/0 | — | 27, 20 |
| | Horn | | | | RC2M200SH OBS [11] | 1 | QO-VH | 50 A | | | | | A | 6–350 | (2)8–2/0 | — | 27, 20 |
| | Lever | | | 10 kA | RC2M200SL OBS [11] [12] | 1 | QOM2-VH | 200 A | | | | | A | 6–350 | 8-1/0 | — | 60 / 14 |
| | | | | | | 1 | QO-VH | 50 A | | | | | | | 8-1/0 | | |
| | None | | | 22 kA | QC12L200S OBS [11] [12] | 6 | QO-VH | 200 A | | | | | A | 6–350 | 8–2/0 | — | 43, 21 |
| | None | | | 22 kA | QC12L200C OBS [11] | 6 | QO-VH | 200 A [6] | | | | | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| **Surface Mount Only, Supplied with Feed-Thru Lugs and provisions for Branch Circuit Breakers** | | | | | | | | | | | | | | | | | |
| 100 A | Horn | OH/UG | — | 22 kA | QC816F100CH [7] [11] [12] | 1 | QOM2100VH [9] | 100 A | 8 | 16 | 8 | 100 | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| 125 A | None | OH/UG | — | 22 kA | QC816F125S OBS | 1 | QOM2125VH [9] | 125 A | 8 | 16 | 8 | 100 | A | 6–350 | 8–2/0 | — | 43, 21 |
| | None | OH/UG | — | 22 kA | QC816F125C [7][11] | 1 | QOM2125VH [9] | 125 A | 8 | 16 | 8 | 100 | A | 6–350 | 12-2/0 | 125 | 40, 21 |
| 150 A | None | OH/UG | — | 22 kA | QC816F150S [7][11] [12] | 1 | QOM2150VH [9] | 150 A | 8 | 16 | 8 | 150 A [13] | A | 6–350 | 8–2/0 | 200 | 43, 21 |
| | None | OH/UG | — | 22 kA | QC816F150C [7][11] | 1 | QOM2150VH [9] | 150 A | 8 | 16 | 8 | 150 A [13] | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| | Lever | OH/UG | — | 22 kA | QC816F150SL OBS [7] [11] [12] | 1 | QOM2150VH [9] | 200 A | 8 | 16 | 8 | 150 A | A | 6–350 | 8-2/0 | — | 74 / 12 |
| 200 A | None | OH/UG | — | 22 kA | QC816F200S OBS [7] [11] [12] | 1 | QOM2200VH [9] | 200 A | 8 | 16 | 8 | 200 A [6] | A | 6–350 | 8–2/0 | 200 | 43, 21 |
| | Horn | OH/UG | — | 22 kA | QC816F200SH OBS [7][11] [12] | 1 | QOM2200VH [9] | 200 A | 8 | 16 | 8 | 200 A [6] | A | 6–350 | | — | |
| | Horn | OH/UG | — | 22 kA | QC816F200CH OBS [7] [11] | 1 | QOM2200VH [9] | 200 A | 8 | 16 | 8 | 200 A [6] | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| | Lever | OH/UG | — | 22 kA | QC816F200SL [7] [11] [12] | 1 | QOM2200VH [9] | 200 A | 8 | 16 | 8 | 200 A | A | 6–350 | 8–2/0 | 200 | 74 / 12 |
| **Ringless, Homeline™** | | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | | |
| 125 A | None | OH/UG | — | 10 kA | RC8L125S OBS [14] | 4 | HOM | 125 A [15] | — | — | — | — | A | 6–2/0 | 6–2/0 | 125 | 27, 32 |

*[1]* To order branch circuit breakers, see QO Plug-On Circuit Breakers, page
*[2]* To order hubs, see Accessories and Hubs for CSEDs, page 1-53
*[3]* To order service disconnects, see Circuit Breakers for CSEDs, page 1-52 except as noted)
*[4]* Use only 15–110 A and 150–200 A breakers.
*[5]* Suitable for OH service with addition of tunnel kit (SCTK20). Order separately.
*[6]* Use only 15–100 A and 150–200 A circuit breakers.
*[7]* Supplied with load side feed-thru lugs, for 4 AWG–250 kcmil (Al/Cu) conductors.
*[8]* Convertible to semiflush with SC200F flange kit (order separately).
*[9]* Service disconnect supplied factory-installed.
*[10]* A 100 A circuit breaker can be installed in bottom position only, all other positions are limited to 70 A max.
*[11]* Device supplied with barrel lock provisions factory-installed.
*[12]* 5th jaw factory-installed.
*[13]* Use only 15–100 A and 150 A circuit breakers.
*[14]* Knockout provided in cover for use with barrel lock kit SCBRLLOCK (see Accessories).
*[15]* 125 A Homeline™ 2P circuit breaker can be installed in top position only. All other positions are limited to 100 A max.



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**Table 1.82 Rainproof Meter Mains (cont'd.)**

| Ampere Rating | Bypass Type | Service (Type of Feed) | | Short Circuit Current Rating | Cat. No. | Service Disconnect(s) | | | Load Center and Branch Circuit Breakers (Order separately *[16]*) | | | | Hub Type (Order separately *[17]*) | Line Side Main Lugs AWG/ kcmil (Al/Cu) | Service Ground Lug AWG/ kcmil (Al/Cu) | Bus Rating | Weight Each (Lbs) and Pallet Qty. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2P Circuits (Max.) | Type (Order separately *[18]*) | Ampere Rating Max. | Max. Quantity | | | | | | | | |
| | | | | | | | | | Spaces | 1P | | | | | | | |
| | | UL | UL and EU-SERC | | | | | | | Circuits | Tandems | Ampere Rating Max. | | | | | |
| 200 A | None | OH/UG | — | 10 kA | RC12L200S OBS | 6 | HOM | 200 A *[19]* | — | — | — | — | A | 6–350 | 8–2/0 | — | 43, 21 |
| 200 A | None | OH/UG | — | 22 kA | RC12L200C *[20]* | 6 | HOM | 200 A *[19]* | — | — | — | — | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| **Surface Mount Only, Supplied with Feed-Thru Lugs and provisions for Branch Circuit Breakers** | | | | | | | | | | | | | | | | | |
| 100 A | Horn | OH/UG | — | 22 kA | RC816F100SH OBS *[21] [20] [22]* | 1 | QOM2100VH *[23]* | 100 A | 8 | 16 | 8 | 100 A | | | 8–2/0 | — | 43, 21 |
| 100 A | Horn | OH/UG | — | 22 kA | RC816F125SH OBS RC816F100CH *[21] [20] [22]* | 1 | QOM2100VH *[23]* | 100 A | 8 | 16 | 8 | 100 A | | | 12-2/0 | — | 40, 21 |
| 125 A | Horn | OH/UG | — | 22 kA | RC816F125SH OBS | 1 | QOM2125VH *[23]* | 125 A | 8 | 16 | 8 | 100 A | | | 8–2/0 | — | 43, 21 |
| 125 A | Horn | OH/UG | — | 22 kA | RC816F125CH *[21] [20]* | 1 | QOM2125VH *[23]* | 125 A | 8 | 16 | 8 | 100 A | | | 12-2/0 | 200 | 40, 21 |
| 150 A | None | OH/UG | — | 22 kA | RC816F150S OBS *[21] [20]* | 1 | QOM2150VH *[23]* | 150 A | 8 | 16 | 8 | 150 A *[24]* | | | 8–2/0 | — | 43, 21 |
| | None | OH/UG | — | 22 kA | RC816F150C *[21] [20]* | 1 | QOM2150VH *[23]* | 150 A | 8 | 16 | 8 | 150 A *[23]* | | | 12-2/0 | 200 | 40, 21 |
| | Horn | OH/UG | — | 22 kA | RC816F150SH OBS *[21] [20] [22]* | 1 | QOM2150VH *[23]* | 150 A | 8 | 16 | 8 | 150 A *[24]* | | | 8–2/0 | — | 43, 21 |
| | Horn | OH/UG | — | 22 kA | RC816F150CH *[21] [20] [22]* | 1 | QOM2150VH *[23]* | 150 A | 8 | 16 | 8 | 150 A *[24]* | A | 6–350 | 12-2/0 | 200 | 40, 21 |
| | Lever | OH/UG | — | 22 kA | RC816F150SL OBS *[20] [22] [25]* | 1 | QOM2150VH *[23]* | 200 A | 8 | 16 | 8 | 150 A | | | 8-2/0 | 200 | 72 / 12 |
| 200 A | None | OH/UG | — | 22 kA | RC816F200S OBS *[21] [20] [22]* | 1 | QOM2200VH *[23]* | 200 A | 8 | 16 | 8 | 200 A *[19]* | | | 8–2/0 | 200 | 43, 21 |
| | None | OH/UG | — | 22 kA | RC816F200C *[21] [20]* | 1 | QOM2200VH *[23]* | 200 A | 8 | 16 | 8 | 200 A *[19]* | | | 12-2/0 | 200 *[26]* | 40, 21 |
| | Horn | OH/UG | — | 22 kA | RC816F200SH OBS | 1 | QOM2200VH *[23]* | 200 A | 8 | 16 | 8 | 200 A *[19]* | | | 8–2/0 | — | 43, 21 |
| | Horn | OH/UG | — | 22 kA | RC816F200CH *[21] [20] [22]* | 1 | QOM2200VH *[23]* | 200 A | 8 | 16 | 8 | 200 A *[19]* | | | 12-2/0 | 200 | 40, 21 |
| | Lever | OH/UG | — | 22 kA | RC816F200SL OBS *[19] [20] [22] [25]* | 1 | QOM2200VH *[23]* | 200 A | 8 | 16 | 8 | 200 A | | | 8-2/0 | 200 | 72 / 12 |
| 200 A | Horn | OH/UG | — | 10 kA | RC816D200CH *[27] [21] [22] [28]* | 1 | HOM2200 *[23]* | 200 A | 8 | 16 | 8 | 100 A *[29]* | | 6–300 | 6–1/0 | 200 | 48, 18 |
| | | | | | | 1 | HOM | 50 A | | | | | | | | | |

OBS This product is obsolete.

*[16]* To order branch circuit breakers, see QO Plug-On Circuit Breakers, page
*[17]* To order hubs, see Accessories and Hubs for CSEDs, page 1-53
*[18]* To order service disconnects, see Circuit Breakers for CSEDs, page 1-52 except as noted)
*[19]* Use only 15–100 A and 150–200 A circuit breakers.
*[20]* Device supplied with barrel lock provisions factory-installed.
*[21]* Supplied with load side feed-thru lugs, for 4 AWG–250 kcmil (Al/Cu) conductors.
*[22]* 5th jaw factory-installed.
*[23]* Service disconnect supplied factory-installed.
*[24]* Use only 15–100 A and 150 A circuit breakers.
*[25]* Suitable for load wires to exit top endwall with addition of Tunnel Kit OHBL, see Table 1.89 Accessories, page 1-53, check with local utility for approval.
*[26]* Not solar ready.
*[27]* Convertible to semiflush with SC200F flange kit (order separately).
*[28]* Knockout provided in cover for use with barrel lock kit SCBRLLOCK (see Accessories).
*[29]* A 100 A circuit breaker can be installed in bottom position only, all other positions are limited to 70 A max.

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## Meter Mains and All-In-Ones (100 to 225 A Maximum)

- Ring or ringless type meter socket designs available
- UL Listed, suitable only for use as service equipment
- Meets EUSERC standards
- Service disconnect(s) are supplied factory-installed, except where noted
- Semiflush-reverse design available, supplied with load center (indoor access)
- Supplied with 100% branch neutrals, all unused terminals may be used for equipment grounding wires.
- Meets Federal Specification W-P-115c as Type 1, Class 2

### Table 1.83: All-In-One Combination Service Entrance Devices

| Ampere Rating | Bypass Type | Service (Type of Feed) UL and EUSERC | Short Circuit Current Rating | Cat. No. (DE3A) | Service Disconnect(s) | | | Load Center and Branch Circuit Breakers (Order separately *[30]*) | | | | Hub Type *[31]* (Order separately) | Line Side Main Lugs AWG/ kcmil (Al/ Cu) | Service Ground Lug AWG/ kcmil (Al/Cu) | Bus Rating | Weight Each (Lbs) and Pallet Qty. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2P Circuits (Max.) | Type (Factory Installed) | Ampere Rating Max. | Max. Quantity Spaces | 1P Circuits | 1P Tandems | Ampere Rating Max. | | | | | |
| **Ring Type, Homeline™** | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | |
| 100 A | None | OH/UG | 10 kA | SC1624M100S | 1 | HOM2100 | 100 A | 16 | 24 | 8 | 100 A | A | 6–2/0 | 6–2/0 | 125 | 32, 24 |
| 125 A | None | OH/UG | 10 kA | SC1624M125S | 1 | HOM2125 | 125 A | 16 | 24 | 8 | 125 A *[32]* | A | 6–2/0 | 6–2/0 | 125 | 32, 24 |
| 200 A | None | OH/UG | 10 kA | SC2040M200C *[33]* | 1 | HOM2200 | 200 A | 20 | 40 | 20 | 100 A | A or A-L | 6–300 | 8–1/0 | 200 | 47, 18 |
| 200 A | None | UG | 10 kA | SU2040M200C OBS | 1 | HOM2200 | 200 A | 20 | 40 | 20 | 100 A | A or A-L | 6–300 | 8–1/0 | — | 47, 18 |
| Semiflush Mount Only | | | | | | | | | | | | | | | | |
| 100 A | None | OH/UG | 10 kA | SC1624M100F | 1 | HOM2100 | 100 A | 16 | 24 | 8 | 100 A | A or B300 | 6–2/0 | 6–2/0 | 125 | 44, 20 |
| 125 A | None | OH/UG | 10 kA | SC1624M125F | 1 | HOM2125 | 125 A | 16 | 24 | 8 | 110 A | A or B300 | 6–2/0 | 6–2/0 | 125 | 44, 20 |
| **Surface Mount Only** | | | | | | | | | | | | | | | | |
| 100 A | None | OH*[34]* | 10 kA | SO1020M100S | 1 | HOM2100 | 100 A | 10 | 20 | 10 | 80 A | A | 6–1 | 8–4 | 100 | 20, 42 |
| 200 A | None | OH*[34]* | 22 kA | SO2040M200S | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | A | 6–350 | 8–2/0 | 200 | 43, 21 |
| **REVERSE All-In-One—Semiflush Mount with Service Disconnect (outdoor access) and Load Center (indoor access)** | | | | | | | | | | | | | | | | |
| 200 A | None | UG | 10 kA | SU3040M200R OBS | 1 | QOM2200VH | 200 A | 30 | 40 | 10 | 200 A *[35]* | A or B300 | 6–300 | 12–1/0 | — | 60, 15 |
| 225 A | None | UG | 10 kA | SU3040M225R OBS | 1 | QOM2225VH | 225 A | | | | | | | | — | 60, 15 |
| **Ringless, Homeline** | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | |
| 100 A | None | OH/UG *[34]* | 10 kA | RC1624M100S | 1 | HOM2100 | 100 A | 16 | 24 | 8 | 100 A | A | 6–2/0 | 6–2/0 | 125 | 32, 24 |
| 125 A | | | | RC1624M125S OBS | 1 | HOM2125 | 125 A | | | | 125 A *[32]* | | | | — | 32, 24 |
| 125 A | Horn | OH/UG *[34]* | 22 kA | RC2040M125CH OBS *[36][37]* | 1 | QOM2125VH | 125 A | 20 | 40 | 20 | 125 A | | | | 200 | 40, 21 |
| 150 A | Horn | OH/UG *[34]* | 22 kA | RC2040M150SH *[36]* | 1 | QOM2150VH | 150 A | 20 | 40 | 20 | 150 A | | | | — | 43, 21 |
| | Horn | OH/UG *[34]* | 22 kA | RC2040M150CH *[36] [37]* | 1 | QOM2150VH | 150 A | 20 | 40 | 20 | 150 A | | | | 200 | 40, 21 |
| | Lever | OH/UG *[34]* | 22 kA | RC3040M150SL *[38]* | 1 | QOM2150VH *[32]* | 200 A | 30 | 40 | 10 | 150 A | | | | 200 | 76 / 12 |
| 200 A | None | OH/UG *[34]* | 22 kA | RC2040M200S *[36]* | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | | | | 200 | 43, 21 |
| | None | OH/UG *[34]* | 22 kA | RC2040M200C *[36]* | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | | | | 200 | 40, 21 |
| | Horn | OH/UG *[34]* | 22 kA | RC2040M200SH OBS | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | | | | — | 43, 21 |
| | Horn | OH/UG *[34]* | 22 kA | RC2040M200CH *[36]* | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | | | | 200 | 40, 21 |
| | Lever | OH/UG *[34]* | 22 kA | RC3040M200SL *[38]* | 1 | QOM2200VH *[32]* | 200 A | 30 | 40 | 10 | 200 A | | | | 200 | 76 / 12 |
| | None | OH/UG *[34]* | 22 kA | RC2040M200CGP | 1 | QOM2200VH | 200 A | 20 | 40 | 20 | 200 A | | | | 200 | 48 / 21 |
| **Ringless, QO** | | | | | | | | | | | | | | | | |
| **Surface Mount Only** | | | | | | | | | | | | | | | | |
| 150 A | Horn | OH/UG *[34]* | 22 kA | QC2442M150SH OBS | 1 | QOM2150VH | 150 A | 24 | 42 | 18 | 150 A | A | 6–350 | 8–2/0 | — | 43, 21 |
| 200 A | None | OH/UG *[34]* | 22 kA | QC2442M200S OBS | 1 | QOM2200VH | 200 A | 24 | 42 | 18 | 200 A | | | | — | 43, 21 |
| | None | OH/UG *[34]* | 22 kA | QC2442M200C *[36]* | 1 | QOM2200VH | 200 A | 24 | 42 | 18 | 200 A | | | | 200 | 40, 21 |
| | Horn | OH/UG *[34]* | 22 kA | QC2442M200SH*[36]* | 1 | QOM2200VH | 200 A | 24 | 42 | 18 | 200 A | | | | — | 43, 21 |
| | Horn | OH/UG *[34]* | 22 kA | QC2442M200CH OBS *[36][37]* | 1 | QOM2200VH | 200 A | 24 | 42 | 18 | 200 A | | | | — | 40, 21 |
| 200 A | None | OH/UG *[34]* | 22 kA | QC3040M200S | 1 | QOM2200VH | 200 A | 30 | 40 | 10 | 200 A | | | | 200 | 40, 21 |
| | Hom | OH/UG *[34]* | 22 kA | QC3040M200SH OBS | 1 | QOM2200VH | 200 A | 30 | 40 | 10 | 200 A | | | | — | 40, 21 |

OBS This product is obsolete.

*[30]* To order branch circuit breakers, see QO Plug-On Circuit Breakers, page
*[31]* To order hubs, see Accessories and Hubs for CSEDs, page 1-53
*[32]* 125 A Homeline™ 2P circuit breaker can be installed in top position only. All other positions are limited to 100 A max.
*[33]* Convertible to semiflush with SC200F flange kit (order separately).
*[34]* Device does not meet EUSERC Specifications.
*[35]* Use only 15–110 A and 150–200 A circuit breakers.
*[36]* Device supplied with barrel lock provisions factory-installed.
*[37]* 5th jaw factory-installed.
*[38]* Suitable for load wires to exit top endwall with addition of Tunnel Kit OHBL, (see Table 1.89 Accessories, page 1-53, check with local utility for approval.



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## PoN Meter Mains and All-in-Ones (300–400 A Devices)

**PoN Meter Mains and All-in-Ones**

- Ring or ringless type meter socket designs available
- UL Listed, suitable **only** for use as service equipment
- Meets EUSERC standards where indicated.
- Service disconnects are supplied factory-installed, except where noted
- Supplied with 100% branch neutrals; all unused terminals may be used for equipment grounding wires
- Meets Federal Specification W-P-115c as Type 1, Class 2

**Meter Mains**: Meets Federal Specification W-P-115c as Type 1, Class 2, UL Listed, suitable only for use as service equipment, 120/240 Vac, single-phase, three-wire, NEMA 3R Enclosure

### Table 1.84: Meter Mains

| Ampere Rating | Bypass Type | Service (Type of Feed) | | Short Circuit Current Rating | Cat. No. | Service Disconnect(s) [39] | | | Load Center and Branch Circuit Breakers (Order separately [40]) | | | | Hub Type (Order separately [41]) | Line Side Main Lugs AWG/ kcmil (Al/Cu) | Bus Rating | Service Ground Lug AWG/ kcmil (Al/Cu) | Weight Each (Lbs) and Pallet Qty. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Max. Quantity | | | | | | | | |
| | | | | | | | | | | 1P | | | | | | | |
| | | UL | UL and EUSERC | | | 2P Circuits (Max.) | Type (Order separately [42]) | Ampere Rating (Max.) | Spaces | Circuits | Tandems | Ampere Rating Max. | | | | | |
| **Ring Type, QO** | | | | | | | | | | | | | | | | | |
| **Surface and Semiflush Mount** [39] | | | | | | | | | | | | | | | | | |
| 400 A | None | UG | UG | 25 kA | CU816D400PCN[43] [44] | 1 | QDL22200 [45] | 200 A | 8 | 16 | 8 | 200 A | A–L | (2) Studs | 225 | 4–250 | 108, 4 |
| 400 A | Class 320 Manual Bypass | UG | — | 25 kA | CU816D400PCB[46] [47] [48] | 1 | QDL, QGL, QJL [49] | 200 A | 8 | 16 | 8 | 200 A | A–L | (2) Studs | 225 | 4–250 | 108, 4 |
| 400 A | Class 320 Manual Bypass | UG | — | 65 kA [39] | CUM400CB [46] [48] | 1 | LJL36400U31X [45] | 400 A | — | 2 [50] | — | 200 A | A–L | (2) Studs | — | 4–250 | 115, 4 |
| **Ringless Type, QO** | | | | | | | | | | | | | | | | | |
| 400 A | Class 320 Lever | OH/ UG | — | 25 kA | QCD400PSL [51] | 1 | QDL, QGL, QJL [49] | 200 A | — | — | — | — | A–L | 4–600 (2) 1/0–350 | — | 12–2/ 0 | 75, 4 |
| | | | | | | 1 | QDL, QGL, QJL [49] | 200 A | — | — | — | — | | | | | |
| **Surface Mount Only, Supplied with Feed-Thru Lugs and Provisions for Branch Circuit Breakers** | | | | | | | | | | | | | | | | | |
| 400 A | [52] | UG | — | 25 kA | QU816D400PSL [47] [51] [48] | 1 | QDL22200 [45] QDL, QGL, QJL [49] | 200 A | 8 | 16 | 8 | 200 A | A–L | (2) Studs | 225 | 4–250 | 108, 4 |
| 400 A | Class 320 Lever | OH/ UG | — | 25 kA | QC816D400PSL [47] [44][51] | 1 | QDL22200 [45] | 200 A | 8 | 16 | 8 | 200 A | A–L | 4–600 (2) 1/0–350 | 225 | 12–2/ 0 | 77, 4 |
| | | | | | | 1 | QDL, QGL, QJL [49] | 200 A | | | | | | | | | |
| **Surface and Semiflush Mount** [39] | | | | | | | | | | | | | | | | | |
| 400 A | Class 320 Lever | UG | — | 25 kA | QU816D400PCL [51] [47] [53] [48] | 1 | QDL22200 [45] | 200 A | 8 | 16 | 8 | 200 A | A–L | (2) Studs | 225 | 4–250 | 108, 4 |
| 400 A | Class 320 Lever | UG | — | 65 kA [39] | QUM400CL [51] [48] | 1 | LJL36400U31X [45] | 400 A | — | 2 [50] | — | 200 A | A–L | (2) Studs | — | 4–250 | 120, 4 |
| **Ringless Type, Homeline** | | | | | | | | | | | | | | | | | |
| **Surface Mount Only, Supplied with Feed-Thru Lugs and Provisions for Branch Circuit Breakers** | | | | | | | | | | | | | | | | | |
| 400 A | Class 320 Lever | OH/ UG | — | 25 kA | RC816D400PSL [44] [51] | 1 | QDL22200 [45] | 200 A | 8 | 16 | 8 | 200 A | A–L | 4–600 (2) 1/0–350 | 225 | 12–2/ 0 | 77, 4 |
| | | | | | | 1 | QDL, QGL, QJL [49] | | | | | | | | | | |

### Table 1.85: All-in-One Combination Service Entrance Devices

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Surface and Semiflush Mount**[39] | | | | | | | | | | | | | | | | | |
| **Ring Type, Homeline** | | | | | | | | | | | | | | | | | |
| 300 A | Class 320 Manual | UG | — | 25 kA | SU2040D300PCB [46] [54][48] | 1 | QDL22200 [45] QDL, QGL, QJL [49] | 200 A 100 A | 20 | 40 | 20 | 200 A | A–L | (2) Studs | 225 | 4–250 | 106, 4 |
| | | | | | SU2040D300PFB [46] [54][48] | 1 | | | | | | | | | | | |
| 400 A | None | UG | UG | 25 kA | SU2040D400PCN [46] [54] | 1 | QDL22200 [45] QDL, QGL, QJL [49] | 200 A 200 A | 20 | 40 | 20 | 200 A | A–L | (2) Studs | 225 | 4–250 | 106, 4 |
| | | | | | SU2040D400PFN [46] [54] | 1 | | | | | | | | | 225 | | |

*[39]* UL short circuit current rating is equal to the lowest interrupting rating of any circuit breaker installed.
*[40]* To order branch circuit breakers, see QO Plug-On Circuit Breakers, page
*[41]* To order hubs, see Accessories and Hubs for CSEDs, page 1-53
*[42]* To order service disconnects, see Circuit Breakers for CSEDs, page 1-52 except as noted)
*[43]* For use only on 120/240 Vac single-phase, three-wire system (4-jaw meter socket).
*[44]* Supplied with load side feed-thru lugs for 6 AWG–250 kcmil (Al/Cu) conductors.
*[45]* Service disconnect supplied factory-installed.
*[46]* For use only on 120/240 Vac, single-phase, three-wire system (4-jaw meter socket).
*[47]* QO panel is rated 200 A maximum.
*[48]* Device configuration is not included in EUSERC standards. Consult applicable utility for acceptance.
*[49]* Additional service disconnect for field-installation: order prefix QBL at 10 kA, QDL at 25 kA, QGL at 65 kA, or QJL at 100 kA. Order separately. For complete circuit breaker catalog number, see Digest Section 7.
*[50]* Option for field installation of two Q-frame, 200 A max. 2-pole branch circuit breakers used as mains for two downstream load centers. Purchase installation kit BMK2Q400 and two Q-frame circuit breakers separately. Order QBL prefix at 10 kA, QDL prefix at 25 kA, or QGL prefix at 65 kA.
*[51]* Fifth jaw factory-installed.
*[52]* Device with suffix L has Class 320 lever bypass and device with suffix K has a K-4 bolt-on, no bypass.
*[53]* Knockout provided in cover for use with barrel lock kit SCBRLLOCK (see Table 1.89 Accessories, page 1-53).
*[54]* Knockout provided in cover for use with barrel lock kit SCBRLLOCK (see Accessories).

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**Table 1.85 All-in-One Combination Service Entrance Devices (cont'd.)**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Surface and Semiflush Mount** *[55]* | | | | | | | | | | | | | | | | | |
| 400 A | Class 320 Manual | UG | — | 25 kA | SU2040D400PCB *[56] [57][58]* | 1 | QDL22200 *[59]* | 200 A | 20 | 40 | 20 | 200 A | A–L | (2) Studs | 225 | 4–250 | 106, 4 |
| | | | | | SU2040D400PFB *[56] [57][58]* | 1 | QDL, QGL, QJL *[60]* | 200 A | | | | | | | 225 | | |
| **Ringless, Homeline** | | | | | | | | | | | | | | | | | |
| 400 A | Class 320 Lever | UG | — | 25 kA | RU2040D400PCL *[57] [61][58]* | 1 | QDL22200 *[58]* | 200 A | 20 | 40 | 20 | 200 A | A–L | (2) Studs | 225 | 4–250 | 109, 4 |

*[55]* UL short circuit current rating is equal to the lowest interrupting rating of any circuit breaker installed.
*[56]* For use only on 120/240 Vac, single-phase, three-wire system (4-jaw meter socket).
*[57]* Knockout provided in cover for use with barrel lock kit SCBRLLOCK (see Accessories).
*[58]* Device configuration is not included in EUSERC standards. Consult applicable utility for acceptance.
*[59]* Service disconnect supplied factory-installed.
*[60]* Additional service disconnect for field-installation: order prefix QBL at 10 kA, QDL at 25 kA, QGL at 65 kA, or QJL at 100 kA. Order separately. For complete circuit breaker catalog number, see Digest Section 7.
*[61]* 5th jaw factory-installed.



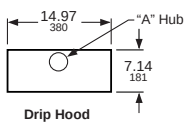
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## Dimensions for CSEDs

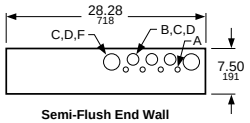
### Table 1.86: Knockouts

| Symbol | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| Conduit Size (in.) | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |

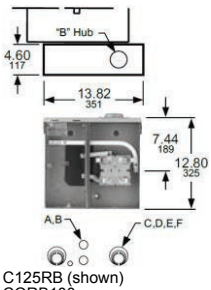
▲ Driphood supplied factory-installed and is required for surface mount installation. For semi-flush installation, remove driphood and install flange kit SC200F (order separately).
■ Unit supplied with blank top endwall (factory-installed) for surface mount installation. For semi-flush installation, install flange kit FK400 (order separately). Kit includes replacement top endwall (with knockouts) and flanges.
♦ Unit supplied with semi-flush top endwall factory installed and semi-flush flanges factory included.



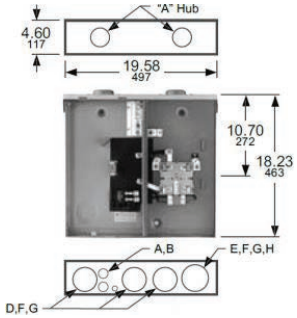

Drip Hood




Semi-Flush End Wall

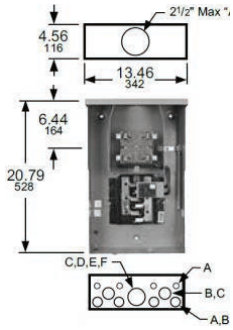



C125RB (shown)
CQRB100

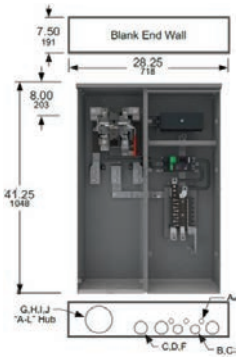



Ring Type:
C125RB
CM200S
C2M200S (shown)
C4L200S

Ringless Type:
RC200S
RCSM200S

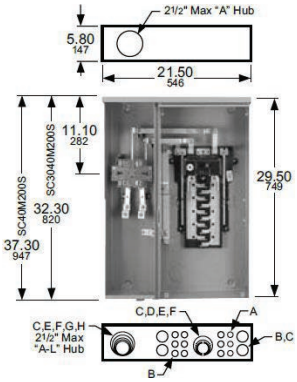



SO1020M100S

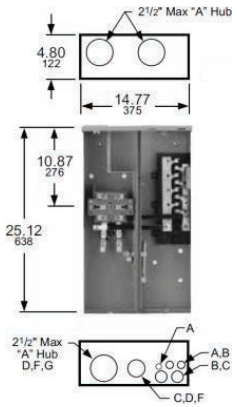



Ring Type:
CU816D400PCB■
CU816D400PCN■

Ringless Type:
QU816D400PCL■
QU816D400PCLX■
QU816D400PSL
QU816D400PSL150

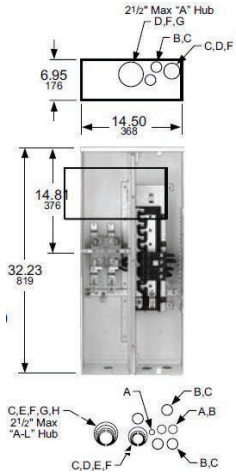



SC816F150S
SC816F200S
SC40M200S
SC2040M200S
SC3040M200S

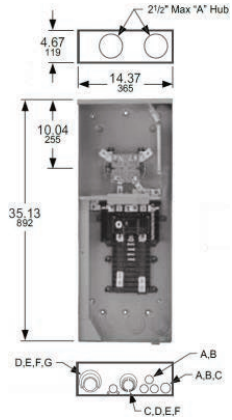



Ring Type:
SC8L125S (shown)
SC1624M100S
SC1624M125S

Ringless Type:
RC8L125S
RC1624M100S
RC1624M125S




SU816D150C
SU816D200C
SU2040M200C
RC816D200CH
SC816D150C
SC816D200C




QC816F100CH
QC816F125C
QC816F150C
QC816F200C
QC816F200CH
RC816F100CH
RC816F125CH
RC816F150C
RC816F150CH

RC816F200C
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RC2040M200C
RC2040MC00CH
QC2442M200C
QC2442M200CH

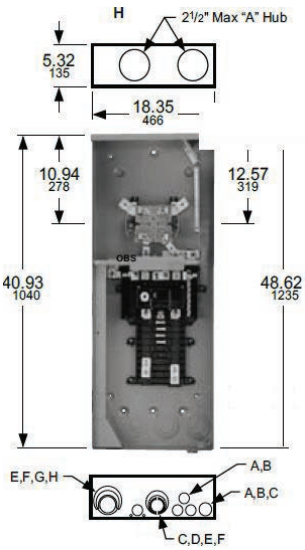
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# Combination Service Entrance Devices (CSEDs)

## Dimensions for CSEDs

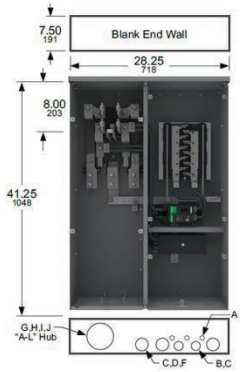
Class **4119, 4120** / Refer to Catalog 4120CT2201





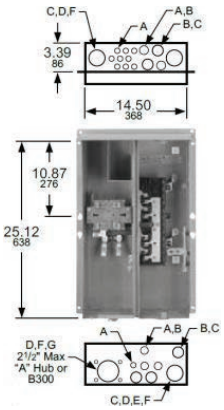

RC816F100SH
RC816F125SH
RC816F150SL
RC816F200SL
RC816F200S
RC2040M125SH
RC2040M150SH
RC2040M200SH
RC3040M150SL

RC3040M200SL
QC816F100SH
QC815F125SH
QC816F150S,SH,SL
QC816F200S,SH,SL
QC2442M200SH
SO2040M200S
QC3040M200SH

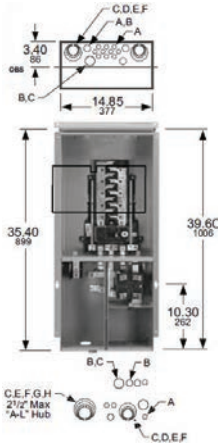



SU2040D400PCB■
SU20240D400PCN■
SU2040D400PFB♦
SU2040D400PFN♦
SU2040D300PCB■

SU2040D300PFB♦
RU2040D400PCL■
RU2040D400PCLX■
CUM400CB■
QUM400CL■




SC8L125F (shown)
SC1624M100F
SC1624M125F




SC816F200F
SC2040M125F
SC2040M200F

SC3040M200F
SC3040M225PF



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## Solar Ready PoN CSEDs

- Ring or ringless type meter socket designs available
- UL Listed, suitable only for use as service equipment
- Service disconnect(s) are supplied factory-installed, except where noted
- Interiors accept plug-on neutral and pigtail style branch circuit breakers
- Supplied with a fully distributed neutral bar, all unused terminals may be used for equipment grounding wires
- Meets Ferderal Specification W-P-115c as Type 1, Class 2
- Solar ready kits for line side tap available, see accessories table
- All devices have a 3" KO in the bottom endwall
- Provisions for field installed CTs on All devices

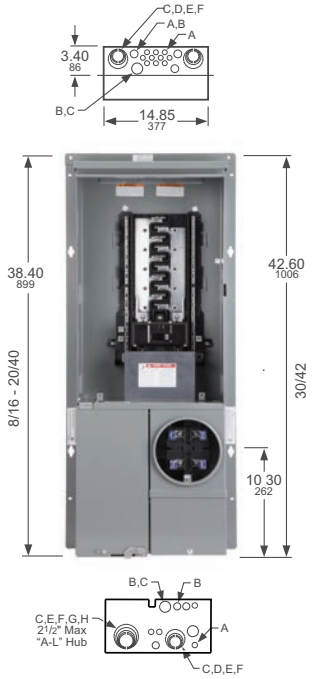
| Amperage Rating | Bus Bar Ampere Rating | Bypass type | Service (Type of Feed) | Short Circuit Current Rating | Cat. No. | Service Disconnect(s) | | Load Center and Branch Circuit Breakers (Order seperately pages….) | | | | Bus Rating | Hub Type | Line Side Main Lugs | Service Ground Lug |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 2P Circuits | Type (Factory installed except where noted) | Spaces | Circuits | Tandems | Ampere Rating Max. | | | | |
| **Ring Type, QO** | | | | | | | | | | | | | | | |
| Surface Mount Only | | | | | | | | | | | | | | | |
| 100 A | 225 A | None | UG | 22 kA | CU816F100PS*[1][2]* | 1 | QOM2100VH | 8 | 16 | 8 | 70 A | — | A-L | 4-250 | 14-2/0 CU 12-2/0 AL |
| 200 A | | None | UG | 22 kA | CU48F200PS*[1][2]* | 1 | QOM2200VH | 4 | 8 | 4 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | CU816F200PS*[1][2]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| **Ring Type, Homeline** | | | | | | | | | | | | | | | |
| Surface Mount Only | | | | | | | | | | | | | | | |
| 100 A | 225 A | None | UG | 22 kA | SU816F100PS*[1][2]* | 1 | QOM2100VH | 8 | 16 | 8 | 70 A | — | A-L | 4-250 | 14-2/0 CU 12-2/0 AL |
| 200 A | | None | UG | 22 kA | SU48F200PS*[1][2]* | 1 | QOM2200VH | 4 | 8 | 4 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | SU816F200PS*[1][2]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 150 A | | None | OH/UG | 22 kA | SC816F150PS*[1][2]* | 1 | QOM2150VH | 8 | 16 | 8 | 150 A | 225 | | | 8-2/0 |
| 200 A | | None | OH/UG | 22 kA | SC816F200PS*[1][2]* | 1 | QOM2200VH | 8 | 16 | 8 | 200 A | 225 | | | |
| 200 A | | None | OH/UG | 22 kA | SC2040M200PS*[2]* | 1 | QOM2200VH | 20 | 40 | 20 | 200 A | 225 | | | |
| 200 A | | None | OH/UG | 22 kA | SC3042M200PS*[2]* | 1 | QOM2200VH | 30 | 42 | 12 | 200 A | 225 | | | |
| 200 A | | None | OH/UG | 22 kA | SC42M200PS*[2]* | 1 | QOM2200VH | 42 | 42 | 0 | 200 A | 225 | | | |
| Semiflush Mount Only | | | | | | | | | | | | | | | |
| 200 A | 225 A | None | OH*[3]*/UG | 22 kA | SC816F200PF*[1][2]* | 1 | QOM2200VH | 8 | 16 | 8 | 200 A | 225 | A-L | 4-250 | 8-2/0 |
| 125 A | | None | OH*[3]*/UG | 22 kA | SC2040M125PF*[2]* | 1 | QOM2125VH | 20 | 40 | 20 | 110 A | 225 | | | |
| 200 A | | None | OH*[3]*/UG | 22 kA | SC2040M200PF*[2]* | 1 | QOM2200VH | 20 | 40 | 20 | 200 A | 225 | | | |
| 200 A | | None | OH*[4]*/UG | 22 kA | SC3042M200PF*[2]* | 1 | QOM2200VH | 30 | 42 | 12 | 200 A | 225 | | | |
| 225 A | | None | OH*[4]*/UG | 22 kA | SC3042M225PF*[2]* | 1 | QOM2225VH | 30 | 42 | 12 | 200 A | 225 | | | |
| **Ringless, QO** | | | | | | | | | | | | | | | |
| Surface Mount Only | | | | | | | | | | | | | | | |
| 100 A | 225 A | None | UG | 22 kA | QU48F100PS*[1]* | 1 | QOM2100VH | 4 | 8 | 4 | 70 A | — | A-L | 4-250 | 14-2/0 CU 12-2/0 AL |
| 100 A | | Lever | UG | 22 kA | QU48F100PSL*[1]* | 1 | QOM2100VH | 4 | 8 | 4 | 70 A | — | | | |
| 125 A | | None | UG | 22 kA | QU48F125PS*[1]* | 1 | QOM2125VH | 4 | 8 | 4 | 70 A | — | | | |
| 150 A | | None | UG | 22 kA | QU48F150PS*[1]* | 1 | QOM2150VH | 4 | 8 | 4 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | QU48F200PS*[1]* | 1 | QOM2200VH | 4 | 8 | 4 | 110 A | — | | | |
| 150 A | | None | UG | 22 kA | QU816F150PS*[1]* | 1 | QOM2150VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | QU816F200PS*[1]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | Lever | UG | 22 kA | QU816F200PSL*[1]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | QU816M200PS | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| **Ringless, Homeline** | | | | | | | | | | | | | | | |
| Surface Mount Only | | | | | | | | | | | | | | | |
| 100 A | 225 A | None | UG | 22 kA | RU48F100PS*[1]* | 1 | QOM2100VH | 4 | 8 | 4 | 70 A | — | A-L | 4-250 | 14-2/0 CU 12-2/0 AL |
| 100 A | | Lever | UG | 22 kA | RU48F100PSL*[1]* | 1 | QOM2100VH | 4 | 8 | 4 | 70 A | — | | | |
| 125 A | | None | UG | 22 kA | RU48F125PS*[1]* | 1 | QOM2125VH | 4 | 8 | 4 | 70 A | — | | | |
| 150 A | | None | UG | 22 kA | RU48F150PS*[1]* | 1 | QOM2150VH | 4 | 8 | 4 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | RU48F200PS*[1]* | 1 | QOM2200VH | 4 | 8 | 4 | 110 A | — | | | |
| 150 A | | None | UG | 22 kA | RU816F150PS*[1]* | 1 | QOM2150VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | RU816F200PS*[1]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | Horn | UG | 22 kA | RU816F200PSH*[1]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | Lever | UG | 22 kA | RU816F200PSL*[1]* | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |
| 200 A | | None | UG | 22 kA | RU816M200PS | 1 | QOM2200VH | 8 | 16 | 8 | 110 A | — | | | |

**Table 1.87: Knockouts**

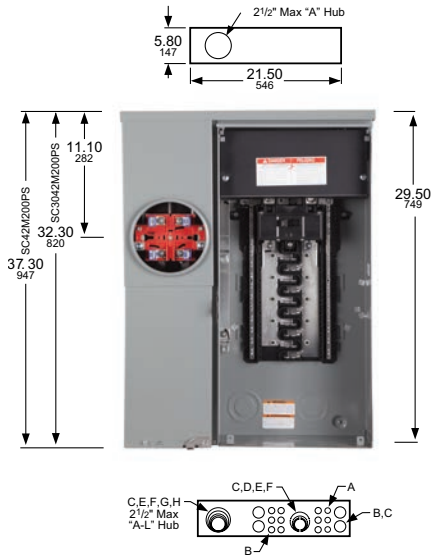
| Symbol | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| Conduit Size (in.) | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 3-1/2 | 4 |

*[1]* Supplied with load side feed-thru lugs, for 4AWG-250 kcmil Al/Cu conductors.
*[2]* Meets EUSERC requirements.
*[3]* Suitable for OH service with addition of tunnel kit (SCTKP20). Check with local utility for approval and order separately.
*[4]* Suitable for OH service with addition of tunnel kit (SCTKP30). Check with local utility for approval and order separately.

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Semiflush Mount type "SC-" (Ring Type, no bypass)




Surface Mount type "SC-" (Ring Type, no bypass)

**NOTE: See each catalog number's associated technical drawing online for additional dimensions and enclosure details.**

## Circuit Breakers for CSEDs

**Table 1.88: Circuit Breakers for use with Meter Mains and All-In-One Devices**

| Ampere Rating *[1]* | Type: HOM, 1P | Type: HOM, 2P | Type: QO, 1P | Type: QO, 2P | Type: QO-VH, 1P | Type: QO-VH, 2P |
|---|---|---|---|---|---|---|
| | Cat. No. (DE3D) | Cat. No. (DE3D) | Cat. No. (DE2A) | Cat. No. (DE2A) | Cat. No. (DE2A) | Cat. No. (DE2A) |
| 10 | — | — | QO110 | — | — | — |
| 15 | HOM115 | — | QO115 | — | QO115VH | — |
| 20 | HOM120 | — | QO120 | — | QO120VH | — |
| 25 | HOM125 | — | QO125 | — | QO125VH OBS | — |
| 30 | HOM130 | HOM230 | QO130 | QO230 | QO130VH | QO230VH |
| 35 | — | HOM235 | QO135 | QO235 | — | — |
| 40 | HOM140 | HOM240 | QO140 | QO240 | — | QO240VH |
| 45 | — | HOM245 | QO145 OBS | QO245 | — | — |
| 50 | HOM150 | HOM250 | QO150 | QO250 | — | QO250VH |
| 60 | — | HOM260 | QO160 | QO260 | — | QO260VH |
| 70 | — | HOM270 | QO170 | QO270 | — | QO270VH |
| 80 | — | HOM280 | — | QO280 | — | QO280VH |
| 90 | — | HOM290 | — | QO290 | — | QO290VH |
| 100 | — | HOM2100 | — | QO2100 | — | QO2100VH |
| 110 | — | HOM2110 | — | QO2110 | — | QO2110VH |
| 125 | — | HOM2125 | — | QO2125 | — | QO2125VH |
| 150 | — | HOM2150BB | — | QO2150 | — | QO2150VH |
| 175 | — | HOM2175BB | — | QO2175 | — | QO2175VH OBS |
| 200 | — | HOM2200BB | — | QO2200 | — | QO2200VH |

OBS This product is obsolete.

| Ampere Rating *[1]* | Type: QOM1-VH, 2P | Type: QOM2-VH, 2P | Type: QDL, 2P *[2]* |
|---|---|---|---|
| | Cat. No. (DE3D) | Cat. No. (DE3D) | Cat. No. (DE2A) |
| 50 | QOM50VH *[3]* | — | — |
| 60 | QOM60VH | — | — |
| 70 | QOM70VH | — | QDL22070 |
| 80 | QOM80VH | — | QDL22080 |
| 90 | QOM90VH | — | QDL22090 |
| 100 | QOM100VH | QOM2100VH | QDL22100 |
| 110 | QOM110VH | — | QDL22110 |
| 125 | QOM125VH | QOM2125VH | QDL22125 |
| 150 | — | QOM2150VH | QDL22150 |
| 175 | — | QOM2175VH | QDL22175 |
| 200 | — | QOM2200VH | QDL22200 |
| 225 | — | QOM2225VH | — |

*[1]* Do not exceed mains rating of device
*[2]* For additional interrupting rating circuit breakers, order circuit breaker prefix QBL at 10 kA, QGL at 65 kA or QJL at 100 kA.
*[3]* Reference National Electrical Code Article 230-79.



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# Accessories and Hubs for CSEDs

## Table 1.89: Accessories

| Description | | Cat. No. |
|---|---|---|
| Generator Kit: Interlocks main service disconnect and generator circuit breaker (order separately). For :<br>Homeline™ CSED Devices RC816F-, RC2040M-, SO2040M- containing suffix -C or -CH<br>QO CSED Devices QC816F-, QC2442M- containing suffix -C or -CH | | RCGK2<br>QCGK3 |
| Backfed inverter circuit breaker retaining kit for SC2636M225FPV | | PK2SCPV OBS |
| **Fifth Jaw Kit for:** | Meter Main Types: C, RC, SC, QC<br>All-In-One Types: SC, SU (100–225 A), QC, RC, SO | 5J |
| Bypass (Horn Type) for Ringless Type Meter Mains and All-In-Ones (100–200 A)<br>(except for RC8L125S, RC1624M100S and RC1624M125S–use RCHB). | | MMHB |
| Lexan Meter Socket Cover Plate for:<br>Ring and Ringless Type Meter Mains<br>Ring and Ringless Type All-In-Ones | | 29007 |
| Meter Socket Sealing Rings for Ring Type Meter Mains and All-In Ones:<br>Snap Type Aluminum (Std.)<br>Screw Type Aluminum<br>Snap Type Stainless Steel | | 2920910001<br>29008W<br>ARP00026 |
| Anti-Inversion Kit . For use ONLY on 400 A Meter Mains and All-In-Ones with lever bypass. | | MMLRK |
| Trim Kit for 2 in. X 6 in. stud wall, used with Reverse All-In-Ones, SU3040M200R, and SU3040M225R | | SU2X6TRIM |
| Barrel Lock Kit (Barrel Lock not included), supplied with bracket and mounting screw, refer to listings for where used. | | SCBRLLOCK OBS |
| **Semiflush Flange Kit for:** | Meter Mains: SC816D150/200C and RC816D200CH<br>All-In-Ones: SC2040M200C | SC200F |
| Semiflush Flange Kit for ring- and ringless-type Meter Mains and All-In-Ones (400 A Only) | | FK400 |
| Lug Kit includes (4) lugs, for use with 2 AWG–600 kcmil Al/Cu conductors. Lugs are for standard 2-Hole mounting. Meter Main and All-In-One units supplied with (2) studs per phase and neutral will accept one lug per phase and neutral. Not for use on 400 A devices with “K” suffix. | | CMELK4 |
| Branch Circuit Breaker Field Installation Kit for two Q-Frame Circuit Breakers (QBL, QDL, or QGL, order separately). For CUM400CB, QUM400CL or QUM400CK - includes (2) mounting pans, (4) wires. | | BMK2Q400 |
| Overhead Feed Trough for 400 A ring- and ringless-type Meter Mains and All-In-Ones. | | OCK400 |
| Touch-Up Paint (ASA49 Gray) | | PK49SP |
| Ground Bar Kit, Meter Mains and All-In-Ones QC, RC, and SC (100–225 A) | | PK15GTA |
| **Filler Plate for:** | Meter Main Types: QC, CU All-In-One Types: QC | QOFP |
| **Filler Plate for:** | Meter Main Types: RC, SC All-In-One Types: SC, RC, SU | HOMFP |
| **Neutral Lug (6-2/0 AWG) for:** | Meter Main Types: RC, SC, QC All-In-One Types: SC, SU, QC, RC | LK100AN |
| **Overhead Barrier Tunnel Kit for Ringless & Horn Bypass in RC/QC Devices** | | OHBS OBS |
| **Overhead Barrier Tunnel Kit for Lever Bypass RC/QC Devices** | | OHBL |
| **Solar Ready Kit for Type SC Semiflush Mounted Solar Ready Devices (includes lugs and replacement UL67 barrier)** | | SR69064AF |
| **Solar Ready Kit for Type SC Surface Mounted Solar Ready Devices (includes lugs and replacement UL67 barrier)** | | SR69064AS |
| **Energy Center Manual Transfer Kit** | | QO2DTEC |
| **Energy Center Hold-Down Bracket Kit** | | QOCRBGK2EC |
| **Solar Ready Kit for UG 200 A Max Meter Mains** | | SRKUGMM |
| **Generator Kit for RU/SU/QU/CU- 200 A Max Meter Mains** | | SRUGK |

OBS This product is obsolete.

## Table 1.90: Hubs and Closing Plates

| Hub Series | Conduit Size (inches) | Cat. No. | Disc. Sch. |
|---|---|---|---|
| Closing Plate for “A” Hub opening | | ACP | DE4 |
| A | 1.00 | A100 | DE4 |
| | 1.25 | A125 | DE4 |
| | 1.50 | A150 | DE4 |
| | 2.00 | A200 | DE4 |
| | 2.50 | A250 | DE4 |
| Adapter plate to allow use of “A” Hubs on “A-L” size hub openings | | AAP | DE4 |
| Closing Plate for “A-L” Hub opening | | ACPL | DE4 |
| A-L | 2.00 | A200L *[1]* | DE4 |
| | 2.50 | A250L | DE4 |
| | 3.00 | A300L | DE4 |
| | 3.50 | A350L | DE4 |
| | 4.00 | A400L | DE4 |
| Closing Plate for “B” Hub opening | | BCAP | DE1A |
| B | 0.75 | B075 | DE1A |
| | 1.00 | B100 | DE1A |
| | 1.25 | B125 | DE1A |
| | 1.50 | B150 | DE1A |
| | 2.00 | B200 | DE1A |
| | 2.50 | B250 | DE1A |
| B300 | 3.00 | B300 | DE1A |

*[1]* Supplied with AAP adapter plate and “A” hub.

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New!

## Square D™ Control Relays

Management and control at the circuit level.

Pair the Schneider Energy Monitor with Square D Control Relays to turn any of our QO™ load panels into a smart, connected panel, providing enhanced home automation and control over individual circuits.

- Smart: Schedule, monitor, and manage energy usage on each circuit
- Flexible: Modular and scalable load control can be added at any time to any circuit
- Easy to Maintain: Easily replace the impacted relay with minimal rewiring.

**Table 1.91: Square D Control Relays**

| Description | Catalog Number | Spaces | Circuits | Voltage | Works With | Cert. | Requires | W x H x D (mm) | W x H x D in. | A (Max) |
|---|---|---|---|---|---|---|---|---|---|---|
| Square D Control Relay 120 V Dual Relay | QO200PWX120 | 2 | 2 | 120/60 Hz | Wiser Home App* | cULus | WISEREMPVZ WISEREMZ | 127 x 36 x 66 | 5 x 1.4 x 2.6 | 20 |
| Square D Control Relay 240 V | QO200PWX240 | | 1 | 240/60 Hz | | | | | | 30 |
| | QO260PWX240 | 4 | | | | | | 127 x 73 x 66 | 5 x 2.8 x 2.6 | 60 |

* WISEREMZ and WISEREMPVZ compatible with the Wiser Energy app until Fall 2024.



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New!

## Dimmers, Switches, and Outlets

Management and control at the device level.

### Square D X Series Wiring Devices

X Series connected products include outlets (receptacles).

With Matter compliance and intelligent connectivity, the new X Series connected wiring devices can be controlled through any major smart home platform such as Amazon, Alexa, Google Home, and Apple HomeKit.

This next chapter of X Series wiring devices offers the same stylish design and color selection as our non-connected X Series devices.

View the X Series products at https://www.se.com/us/en/product-range/26420638 or scan the QR code.

For warranty information, see Schneider Home System Warranty Data Bulletin, 0102DB2301.

**Table 1.92: Square D X Series Wiring Devices**

| Description | Catalog Number | Gang | Tech | Amp. Rating (A) | Voltage Rating (Vac) | No. of Poles | Device Type | Nominal Load 1 (W) | Load Type 1 | Nominal Load 2 (W) | Load Type 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Switch, X Series, single pole, 3 way, WiFi, Matter, white, matte finish, neutral required | SQR141U1WHWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | – | – |
| Switch, X Series, single pole, 3 way, WiFi, Matter, black, matte finish, neutral required | SQR141U1BKWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | – | – |
| Switch, X Series, single pole, 3 way, WiFi, Matter, light almond, matte finish, neutral required | SQR141U1LAWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | – | – |
| Switch, X Series, single pole, 3 way, WiFi, Matter, grey, matte finish, neutral required | SQR141U1GYWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | – | – |
| Dimmer, X Series, rocker, 600W, single pole, 3 way, WiFi , Matter, white, matte finish, neutral required | SQR226U1WHWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | 150 | Dimmable LED |
| Dimmer, X Series, rocker, 600W, single pole, 3 way, WiFi, Matter, black, matte finish, neutral required | SQR226U1BKWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | 150 | Dimmable LED |
| Dimmer, X Series, rocker, 600W, single pole, 3 way, WiFi , Matter, light almond, matte finish, neutral required | SQR226U1LAWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | 150 | Dimmable LED |
| Dimmer, X Series, rocker, 600W, single pole, 3 way, WiFi, Matter, Grey, matte finish, neutral required | SQR226U1GYWM | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | 150 | Dimmable LED |
| Socket-outlet, X Series, 15A, decorator, tamper resistant, WiFi, Matter, white, matte finish, neutral required | SQR441U1WHWM | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 2 | Duplex | – | – | – | – |
| Socket-outlet, X Series, 15A, decorator, tamper resistant, WiFi, Matter, black , matte finish, neutral required | SQR441U1BKWM | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 2 | Duplex | – | – | – | – |
| Socket-outlet, X Series, 15A, decorator, tamper resistant, WiFi, Matter, light almond, matte finish, neutral required | SQR441U1LAWM | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 2 | Duplex | – | – | – | – |
| Socket-outlet, X Series, 15A, decorator, tamper resistant, WiFi, Matter, Grey, matte finish, neutral required | SQR441U1GYWM | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 2 | Duplex | – | – | – | – |
| Dimmer, X Series, rocker, 600W, single pole, 3 way, WiFi, Matter, white, matte finish, wall plate, neutral required | SQR226U1WHWMP | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 1 | Multi-way | 600 | Halogen, Incandescent | 150 | Dimmable LED |
| Socket-outlet, X Series, 15A, decorator, tamper resistant, WiFi, Matter, white, matte finish, wall plate, neutral required | SQR441U1WHWMP | 1 | 2.4 GHz Wi-Fi | 15 | 125 | 2 | Duplex | – | – | – | – |
| Switch, X Series, single pole, 3 way, WiFi, Matter, white, matte finish, wall plate, neutral required | SQR141U1WHWMP | 1 | 2.4 GHz Wi-Fi | 15 | 120 | 1 | Multi-way | 600 | Halogen, Incandescent | – | – |

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## Service Entrance Devices

The information in this topic covers Schneider Electric's service entrance devices, featuring PowerPacT Q-Frame and QO enclosed circuit breaker solutions. It includes available enclosure types, ratings, compatible circuit breakers, and associated accessories.




Enclosure



PowerPacT Q-Frame
Molded Case Circuit Breaker

**Table 1.93: Residential Enclosed Circuit Breakers with PowerPacT Q Frame MCBs**

| Enclosure | Mains Rating | Short Circuit Rating | Commercial Reference | Included in Package |
|---|---|---|---|---|
| Rainproof NEMA 3R | 150 A | 25 kA | Q2150MRBE | Factory Installed:<br>(1) QDL22150,<br>(1) service entrance barrier,<br>(1) emergency disconnect label &<br>(1) service disconnect label |
| Rainproof NEMA 3R | 200 A | 25 kA | Q2200MRBE | Factory Installed:<br>(1) QDL22200,<br>(1) service entrance barrier,<br>(1) emergency disconnect label &<br>(1) service disconnect label |
| Rainproof NEMA 3R | 70-200 A | 10-100 kA | Q2200RBE *[1]* | Factory Installed:<br>(1) emergency disconnect label &<br>(1) service disconnect label<br>Factory Included:<br>(1) service entrance barrier*[2]* |

**Table 1.94: Replacement Kit for Residential Enclosed Circuit Breakers with PowerPacT Q Frame**

| Mains Rating | Short Circuit Rating | Commercial Reference | Included in Package |
|---|---|---|---|
| 70 -200 A | 10-100 kA | PKSB1Q2 | (1) Service entrance barrier &<br>(1) emergency disconnect label.*[1]* |

**Table 1.95: PowerPacT Q-Frame Molded Case Circuit Breakers for Residential Enclosed Circuit Breakers**

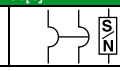
| Service | Type 3R — Rainproof Circuit Breaker not included | Ampere rating | Short Circuit Rating | | | |
|---|---|---|---|---|---|---|
| | | | 10 k AIR | 25 k AIR | 65 k AIR | 100 k AIR |
| 2P 240 Vac Maximum | Q2200RBE | 70 A | QBL22070 | QDL22070 | QGL22070 | QJL22070 |
| | | 80 A | QBL22080 | QDL22080 | QGL22080 | QJL22080 |
| | | 90 A | QBL22090 | QDL22090 | QGL22090 | QJL22090 |
| | | 100 A | QBL22100 | QDL22100 | QGL22100 | QJL22100 |
| | | 110 A | QBL22110 | QDL22110 | QGL22110 | QJL22110 |
| | | 125 A | QBL22125 | QDL22125 | QGL22125 | QJL22125 |
| | | 150 A | QBL22150 | QDL22150 | QGL22150 | QJL22150 |
| | | 175 A | QBL22175 | QDL22175 | QGL22175 | QJL22175 |
| | | 200 A | QBL22200 | QDL22200 | QGL22200 | QJL22200 |



QO2100MRBE

**Table 1.96: 2-Pole Circuit Breaker Enclosures—22 kA Short Circuit Rating**

| Service*[3]* | | Ampere Rating | Rainproof | Box No.*[4]* | Included in Package |
|---|---|---|---|---|---|
| 120/240 Vac |  | 100 A | QO2100MRBE | 10R | Factory installed<br>(1) QO2100VH<br>(1) Service Barrier Kit<br>(PKSB1QO2) |
| | | 125 A | QO2125MRBE | 13R | Factory installed<br>(1) QO2125VH<br>(1) Service Barrier Kit<br>(PKSB1QO2) |

| Service*[3]* | | Ampere Rating | General Purpose*[5]* | Box No.*[4]* |
|---|---|---|---|---|
| 120/240 Vac |  | 100 A | QO2100BNF/S | 10R |
| | | 125 A | QO2125BNF/S | 13R |

*[1]* Suitable ONLY for breakers from 70A-200A. Not compatible with 225A breakers.
*[2]* Suitable only for 2P Q Frame MCBs only.
*[3]* Not for use with one pole QO circuit breakers. Circuit breakers not included. Order QO type circuit breakers separately from pages 1-2 and 1-3. Accepts QO circuit breakers with factory-installed accessories. Order equipment ground bar PKOGTA2, if required.
*[4]* See Table 1.74 Knockout Information, page 1-40
*[5]* Order F for flush, S for surface.



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**Table 1.97: Q Frame Enclosures and Q Frame Circuit Breakers**

| Service | Enclosure Only *[6]* | | | Circuit Breaker (Order Separately) | | | | |
|---|---|---|---|---|---|---|---|---|
| | Type 1—General Purpose *[7]* | Type 3R—Rainproof | Box No. *[8]* | Ampere Rating | 10 k AIR | 25 k AIR | 65 k AIR | 100 k AIR |
|  2P 240 Vac Maximum | Q22200NS *[9]* or Q23225NF/S | Q22200NRB *[9]* or Q23225NRB | 19, 11R 20, 12R | 70 A | QBL22070 | QDL22070 | QGL22070 | QJL22070 |
| | | | | 80 A | QBL22080 | QDL22080 | QGL22080 | QJL22080 |
| | | | | 90 A | QBL22090 | QDL22090 | QGL22090 | QJL22090 |
| | | | | 100 A | QBL22100 | QDL22100 | QGL22100 | QJL22100 |
| | | | | 110 A | QBL22110 | QDL22110 | QGL22110 | QJL22110 |
| | | | | 125 A | QBL22125 | QDL22125 | QGL22125 | QJL22125 |
| | | | | 150 A | QBL22150 | QDL22150 | QGL22150 | QJL22150 |
| | | | | 175 A | QBL22175 | QDL22175 | QGL22175 | QJL22175 |
| | | | | 200 A | QBL22200 | QDL22200 | QGL22200 | QJL22200 |
| | | | | 225 A | QBL22225 | QDL22225 | QGL22225 | QJL22225 |
|  3P 240 Vac | Q23225NF/S | Q23225NRB | 20, 12R | 70 A | QBL32070 | QDL32070 | QGL32070 | QJL32070 *[10]* |
| | | | | 80 A | QBL32080 | QDL32080 | QGL32080 | QJL32080 *[10]* |
| | | | | 90 A | QBL32090 | QDL32090 | QGL32090 | QJL32090 *[10]* |
| | | | | 100 A | QBL32100 | QDL32100 | QGL32100 | QJL32100 *[10]* |
| | | | | 110 A | QBL32110 | QDL32110 | QGL32110 | QJL32110 *[10]* |
| | | | | 125 A | QBL32125 | QDL32125 | QGL32125 | QJL32125 *[10]* |
| | | | | 150 A | QBL32150 | QDL32150 | QGL32150 | QJL32150 *[10]* |
| | | | | 175 A | QBL32175 | QDL32175 | QGL32175 | QJL32175 *[10]* |
| | | | | 200 A | QBL32200 | QDL32200 | QGL32200 | QJL32200 *[10]* |
| | | | | 225 A | QBL32225 | QDL32225 | QGL32225 | QJL32225 *[10]* |

*[6]* Factory-installed groundable neutral assembly includes (2) ground lugs and (2) neutral lugs. Equipment ground kit PKOGTA2 also included.
*[7]* Order F for flush, S for surface.
*[8]* See Table 1.74 Knockout Information, page 1-40
*[9]* Accepts 200 A max. 2P Q Frame circuit breakers.
*[10]* Equipment ground bar kit PKOGTA2 factory-included.

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QO200TRNM



QO3100BNF
With Cover Removed

## Non-Service Entrance Enclosed Devices

**Single-phase, three-wire—120/240 Vac—240 Vac—UL Listed**

**Table 1.98: Enclosed Molded Case Switch, Switch Included, Does NOT provide overcurrent protection**

| Service | | Ampere Rating | General Purpose | Rainproof | Box. No. *[11]* |
|---|---|---|---|---|---|
| 240 Vac | GB | 60 A*[12] [13]* | QO260NATS | QO200TR | 2, 9R*[14]* |
| | | | | QO200TRNM | 1NM |
| | | | | QO260NATR | 1R |
| 120/240 Vac | SN | 100 A*[15]* | QO2000NS | QO2000NRB | 13, 10R |

**Table 1.99: Enclosed GFCI Circuit Breakers, GFCI Circuit Breaker Included—10 kA Short Circuit Current Rating**

| Service | | Ampere Rating | Type 3R—Rainproof Circuit Breaker Included | Circuit Breaker Only | Box. No. *[11]* |
|---|---|---|---|---|---|
| 120/240 Vac | SN | 50 A | QOE250GFINM | QO250GFI | 1NM (Non-metallic)<br>1R (Metallic) |
| | | | HOME250SPA | HOM250GFI | |
| | | 60 A | QOE260GFINM | QO260GFI3W | |

**Table 1.100: 2-Pole Circuit Breaker Enclosures—22 kA Short Circuit Current Rating**

| Service *[16]* | | Ampere Rating | General Purpose *[17]* | Rainproof | Box. No. *[11]* |
|---|---|---|---|---|---|
| 240 Vac | SN | 100 A | QO3100BNF/S | QO3100BNRB | 13, 10R |
| 60A Max. Circuit Breaker Enclosures—10 kA Short Circuit Current Rating<br>Circuit breaker not included. Order separately from QO Plug-On Circuit Breakers, page . Will not accept QO-GFI circuit breaker nor QO circuit breakers with factory-installed accessories. | | | | | |
| 240 Vac | GB | 60 A*[12]* | — | QO2TR | 9R*[14]* |

*[11]* See Table 1.74 Knockout Information, page 1-40
*[12]* Not suitable for service equipment.
*[13]* Maximum 10 hp 240 Vac.
*[14]* Top endwall has no hub opening.
*[15]* Maximum 20 hp 240 Vac.
*[16]* Not for use with one pole QO circuit breakers. Circuit breakers not included. Order QO type circuit breakers separately from pages 1-2 and 1-3. Accepts QO circuit breakers with factory-installed accessories. Order equipment ground bar PKOGTA2, if required.
*[17]* Order F for flush, S for surface.



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**Table 1.101: QOM2 Enclosures and QOM2 Circuit Breakers**

| Service | Enclosure Only *[18]* | | | QOM2 Circuit Breaker (Order Separately) *[19]* | |
|---|---|---|---|---|---|
| | Type 1 General Purpose *[20]* | Type 3R Rainproof | Box No. *[21]* | Ampere Rating | 22 k AIR |
| | Cat. No. | Cat. No. | | | Cat. No.*[22]* |
|  2P 240 Vac Maximum | QOM22225NF/S | QOM22225NRB | 22, 16R | 100 A | QOM2100VH |
| | | | | 125 A | QOM2125VH |
| | | | | 150 A | QOM2150VH |
| | | | | 175 A | QOM2175VH |
| | | | | 200 A | QOM2200VH |
| | | | | 225 A | QOM2225VH |



QOM22225NS
With Cover Removed



Q22200NS
With Cover Removed



Q23225NF

(Order Q-Frame circuit breaker separately)

*[18]* Equipment ground bar kit PKOGTA2 factory-included.
*[19]* Add suffix 1021 for 120, 208 or 240 Vac shunt trip.
*[20]* Order F for flush, S for surface.
*[21]* See Table 1.74 Knockout Information, page 1-40
*[22]* DE3A Discount Schedule.

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