

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

EZ Selector

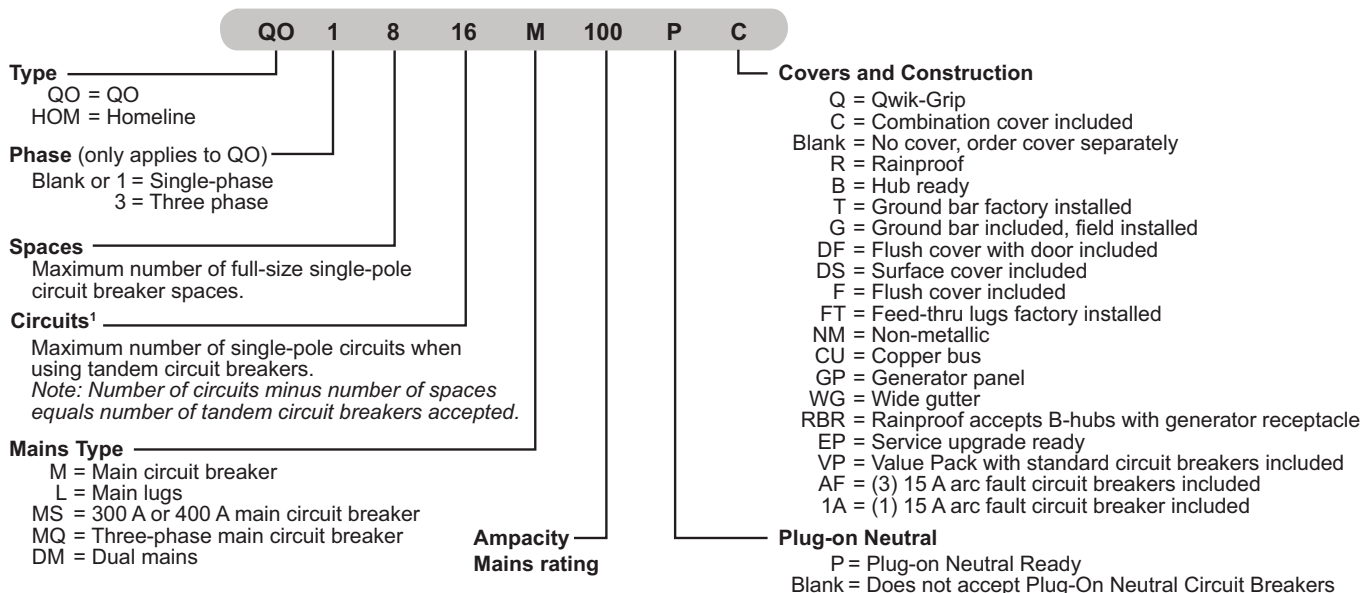
Steps to select a load center.

- 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)
- Select enclosure type: indoor or outdoor (RB = rainproof)
- Select single phase (1) or three phase (3)
- Select type of main:
 - Main circuit Breaker (M)
 - Main lugs (L)
 - Generator panel (GP)
- Select main ampacity rating
- Select pole spaces and max. number of 1-pole, single-phase circuits
- Select cover style:
 - Surface (box mounted on surface)
 - Surface (box mounted on surface, hinged cover included)
 - Flush (box recessed, cover is flush to wall)
- Value pack (VP)
- Select ground bar option:
 - Ground bar factory installed (T)
 - Ground bar included, field installation (G)
- 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 Load Center

QO™ and Homeline™ Load Centers — Catalog Number Description



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.



QO 1P
With Shunt Trip

QO-EPD/EPE Circuit Breakers

QO-EPD/EPE circuit breakers provide overload and short circuit protection combined with Class B ground fault protection. They are designed to provide ground fault protection of equipment at a 30 mA level (EPD) or 100 mA level (EPE). They are not designed to protect people from electrical shock.

Table 1.10: QO-EPD Circuit Breakers

Ampere Rating [19]	1P 120 Vac 10 k AIR 1 Space Required	2P Common Trip 120/240 Vac 10 k AIR 2 Spaces Required	3P Common Trip 240 Vac 10 k AIR 3 Spaces Required	
15	QO115EPD	QO215EPD	QO315EPD ^{OBS}	QO315EPE [20]
20	QO120EPD	QO220EPD	QO320EPD [20]	QO320EPE [20]
25	QO125EPD ^{OBS}	QO225EPD	—	—
30	QO130EPD	QO230EPD	QO330EPD [20]	QO330EPE [20]
40	—	QO240EPD	QO340EPD [20]	QO340EPE [20]
50	—	QO250EPD	QO350EPD [20]	QO350EPE [20]
60	—	QO260EPD [21]	—	—

^{OBS} This product is obsolete.

QO Switch Neutral Common Trip Circuit Breakers (QO-SWN)

Switch Neutral Common Trip 2008 NEC® 514.11



Two-wire
QO-SWN



Three-wire
QO-SWN

Table 1.11: QO-SWN Circuit Breakers

Ampere Rating [22]	2 Wire 120 Vac 10 k AIR 2 Spaces Required	3 Wire 120/240 Vac 10 k AIR 3 Spaces Required
10	QO210SWN ^{OBS}	QO310SWN
15	QO215SWN	QO315SWN ^{OBS}
20	QO220SWN	QO320SWN
25	QO225SWN ^{OBS}	QO325SWN
30	QO230SWN ^{OBS}	QO330SWN ^{OBS}
40	QO240SWN ^{OBS}	QO340SWN ^{OBS}
50	QO250SWN ^{OBS}	QO350SWN ^{OBS}

^{OBS} This product is obsolete.

QO High Intensity Discharge Circuit Breakers (QO-HID)

HID circuit breakers are for use on circuits feeding fluorescent and high intensity discharge (HID) lighting systems such as mercury vapor, metal halide, or high pressure sodium. These circuit breakers are physically interchangeable with QO circuit breakers.

Table 1.12: QO-HID Circuit Breakers

Ampere Rating [22]	1P 120/240 Vac 10 k AIR 1 Space Required	2P Common Trip 120/240 Vac 10 k AIR 2 Spaces Required	3P Common Trip 240 Vac 10 k AIR 3 Spaces Required
15	QO115HID ^{OBS}	QO215HID ^{OBS}	QO315HID ^{OBS}
20	—	QO220HID	QO320HID
25	QO125HID ^{OBS}	QO225HID ^{OBS}	QO325HID ^{OBS}
30	QO130HID ^{OBS}	QO230HID ^{OBS}	QO330HID ^{OBS}
40	QO140HID ^{OBS}	QO240HID ^{OBS}	—
50	QO150HID ^{OBS}	QO250HID ^{OBS}	—

^{OBS} This product is obsolete.

QO Key Operated Circuit Breakers (QO-K)

Key operated QO circuit breakers are available in single-pole construction and can be mounted in any single-pole space which will accept a standard QO circuit breaker. These circuit breakers can be turned ON or OFF or to RESET with a special key (catalog number QOK10) included with the circuit breaker. These circuit breakers are UL Listed and available as shown in the table.

Table 1.13: QO-K Circuit Breakers

120 Vac—10 k AIR (1 Space Required)			
Ampere Rating [22]	Cat. No.	Ampere Rating [22]	Cat. No.
10	QO110K ^{OBS}	25	QO125K
15	QO115K ^{OBS}	30	QO130K ^{OBS}
20	QO120K ^{OBS}	—	—

^{OBS} This product is obsolete.



QO-K Key Operated

[19] 10–30 A circuit breakers are suitable for use with 60°C or 75°C conductors. 35–60 A circuit breakers are suitable for use with 75°C conductors.

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

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

[22] 10–30 A circuit breakers are suitable for use with 60°C or 75°C conductors. 35–60 A circuit breakers are suitable for use with 75°C conductors.