



QO Load Center

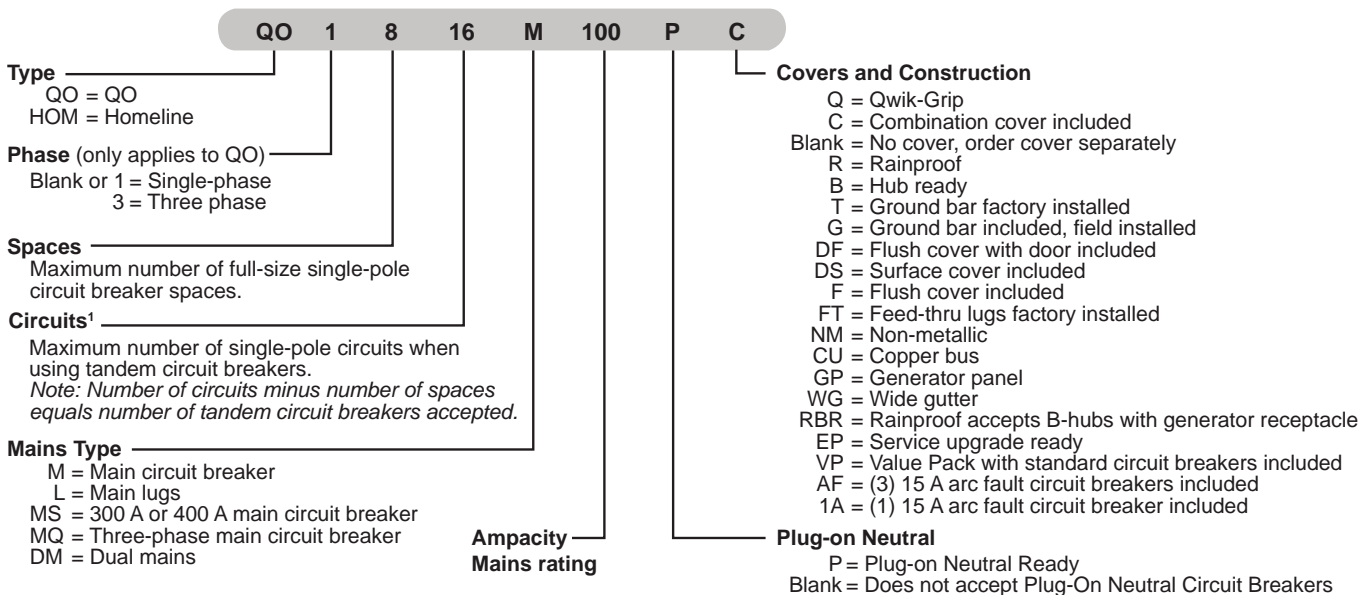
## QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

### 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™ and Homeline™ Load Centers — Catalog Number Construction



#### 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.



1P QO-GFI



2P QO-GFI

**QO Ground-Fault Circuit Breakers (GFI)**

Qwik-Gard™ circuit breakers provide overload and short circuit protection, combined with Class A ground fault protection. Class A denotes a ground fault circuit interrupter that will trip when a fault current to ground is 6 mA or more, for people protection. Do not connect to more than 250 feet of load conductor for the total one-way run to prevent nuisance tripping.

**Table 1.7: QO-GFI Circuit Breakers**

Circuit Breaker Type	Ampere Rating [14]	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	QO130VHGFI OBS	QO230GFI	QO330GFI
	35	—	—	QO235GFI	—
	40	—	—	QO240GFI	QO340GFI
	45	—	—	QO245GFI	—
	50	—	—	QO250GFI	QO350GFI
Plug-On Neutral Ground-Fault Circuit Interrupter	15	QO115PGFI [16]	—	—	—
	20	QO120PGFI [16]	—	—	—

OBS This product is obsolete.

**QO Arc-Fault Circuit Breaker (QO-CAFI)**

QO arc-fault circuit breakers provide protection for Series and Parallel Type Arcing as required by the NEC and local code adoption, and comply with UL 1699.

**Table 1.8: QO-CAFI Circuit Breakers**

Circuit Breaker Type [17]	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	22 k AIR 2 Space Required
Combination Arc-fault Interrupter (Pigtail Neutral)	15	QO115CAFI	QO115VHCAFI	QO215CAFI [18]	QO215VHCAFI OBS
	20	QO120CAFI	QO120VHCAFI	QO220CAFI [18]	QO220VHCAFI OBS
Plug-On Neutral Combination Arc-fault Interrupter	15	QO115PAF	QO115VHPAF	—	—
	20	QO120PAF	QO120VHPAF	—	—

OBS This product is obsolete.

**QO Dual Function Circuit Breaker**

QO Combination Arc Fault and Ground Fault Circuit Interrupters (Dual Function) provide overload and short circuit protection, plus arc fault and ground fault protection in accordance with the NEC, UL 1699 and UL943.

**Table 1.9: QO-DF Circuit Breakers**

Circuit Breaker Type [17]	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	QO115DF	QO115VHDF OBS
	20	QO120DF	QO120VHDF
Plug-On Neutral Combination Arc-fault and Ground Fault Circuit Interrupter	15	QO115PAFGF	QO115VHPAFGF
	20	QO120PAFGF	QO120VHPAFGF

OBS This product is obsolete.



1P QO-DF Plug-on Neutral



1P QO-DF Pigtail

[14] 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.

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

[16] New Plug-On Neutral

[17] 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.

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