



QO Load Center

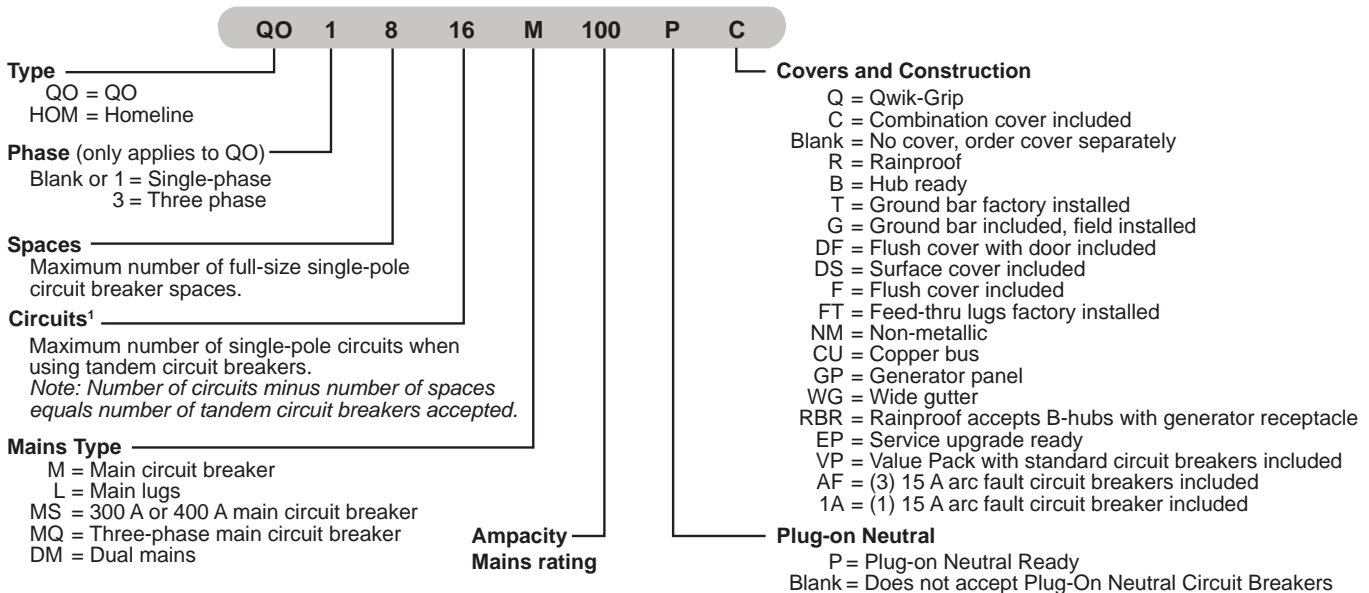
## QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

### 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.

**QO Standard Plug-On Circuit Breakers**

Square D brand QO miniature circuit breakers are plug-on products for use in QO load centers, NQOD and NQ panelboards, NQOD and NQ OEM interiors or Speed-D™ switchboard distribution panels. Bolt-on QOB circuit breakers are for use in NQOD and NQ panelboards or interiors. [1]

The Square D exclusive Qwik-Open™ mechanism, with a trip reaction within 1/60th of a second, is standard on all 1P 15 and 20 A QO circuit breakers.

**Table 1.1: Standard QO Plug-On Circuit Breakers**

Amperes Rating [2]	1P—120/240 Vac	2P—120/240 Vac Common Trip	2P—240 Vac [3] Common Trip	3P—240 Vac Common Trip
<b>10 k AIR</b>				
10 A	QO110	QO210	—	QO310
15 A	QO115 [4] [5]	QO215 [4]	QO215H	QO315 [4]
20 A	QO120 [4] [5]	QO220 [4]	QO220H	QO320 [4]
25 A	QO125 [4]	QO225 [4]	QO225H OBS	QO325 [4]
30 A	QO130 [4]	QO230 [4]	QO230H	QO330 [4]
35 A	QO135 [4]	QO235 [4]	—	QO335 [4]
40 A	QO140 [4]	QO240 [4]	QO240H	QO340 [4]
45 A	QO145 OBS	QO245 [4]	—	QO345 [4]
50 A	QO150 [4]	QO250 [4]	QO250H OBS	QO350 [4]
60 A	QO160 [4]	QO260 [4]	QO260H OBS	QO360 [4]
70 A	QO170 [4]	QO270 [4]	QO270H OBS	QO370 [4]
80 A	—	QO280 [4]	QO280H OBS	QO380 [4]
90 A	—	QO290 [4]	QO290H OBS	QO390 [4]
100 A	—	QO2100 [4]	QO2100H	QO3100 [4]
110 A	—	QO2110 [4]	—	—
125 A	—	QO2125 [4]	—	—
150 A	—	QO2150 [4] [6] [7]	—	—
175 A	—	QO2175 [4] [6] [7]	—	—
200 A	—	QO2200 [4] [6] [7]	—	—
Molded Case Switch 60 A max.—240 Vac	—	—	QO200	QO300 OBS
Molded Case Switch 100 A max.—240 Vac	—	—	QO2000 OBS	QO3000 OBS
<b>22 k AIR [4]</b>				
15 A	QO115VH [5]	QO215VH [8]	—	QO315VH [8]
20 A	QO120VH [5]	QO220VH [8]	—	QO320VH [8]
25 A	QO125VH OBS	QO225VH [8]	—	QO325VH [8]
30 A	QO130VH	QO230VH [8]	—	QO330VH [8]
40 A	QO140VH	QO240VH [8]	—	QO340VH [8]
50 A	QO150VH	QO250VH [8]	—	QO350VH [8]
60 A	QO160VH	QO260VH [8]	—	QO360VH [8]
70 A	QO170VH	QO270VH [8]	—	QO370VH [8]
80 A	—	QO280VH [8]	—	QO380VH [8]
90 A	—	QO290VH [8]	—	QO390VH [8]
100 A	—	QO2100VH [8] [9]	—	QO3100VH [8]
110 A	—	QO2110VH [8] [9]	—	—
125 A	—	QO2125VH [8] [9]	—	—
150 A	—	QO2150VH [6] [8] [7]	—	—
175 A	—	QO2175VH OBS	—	—
200 A	—	QO2200VH [6] [8] [7]	—	—
<b>42 k AIR [4]</b>				
40 A	—	QOH240 OBS	—	—
45 A	—	QOH245 OBS	—	—
50 A	—	QOH250 OBS	—	—
60 A	—	QOH260 [10]	—	—
70 A	—	QOH270	—	—
80 A	—	QOH280	—	—
90 A	—	QOH290	—	—
100 A	—	QOH2100	—	—
110 A	—	QOH2110 [10]	—	—
125 A	—	QOH2125	—	—
<b>65 k AIR [4]</b>				
15 A	QH115 OBS	QH215 OBS	—	QH315 OBS
20 A	QH120 [5]	QH220	—	QH320 OBS
25 A	QH125 OBS	QH225 OBS	—	QH325 [10]
30 A	QH130 OBS	QH230	—	QH330 OBS

OBS This product is obsolete.

Refer to [page](#) for Interrupting Ratings, Accessories, and Dimensions.



QO 1P  
1 Space Required



QO 2P  
2 Spaces Required



QO 3P  
3 Spaces Required



QO2200 2P 200 A  
4 Spaces Required

[1] See Digest Section 1 for load centers, and Section 9 for panelboards and interiors.

[2] 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.

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

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

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

[7] Not suitable for use in 3Ø panels. Use only in 1Ø panel rated 150 A or greater.

[8] 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.

[9] 100 A maximum branch mounted opposite.

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