



QO Load Center

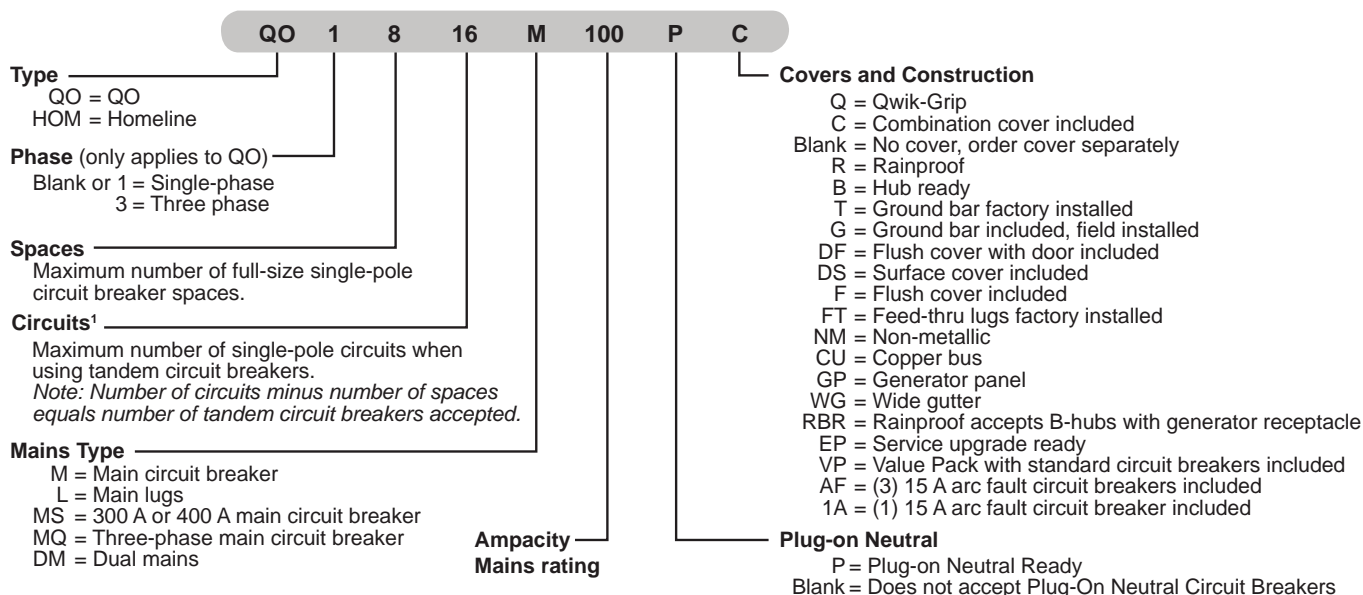
## QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

### 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 "Load Centers" from our technical FAQs page: [www.schneider-electric.us/en/faqs/home/](http://www.schneider-electric.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.



[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.