



QO Load Center

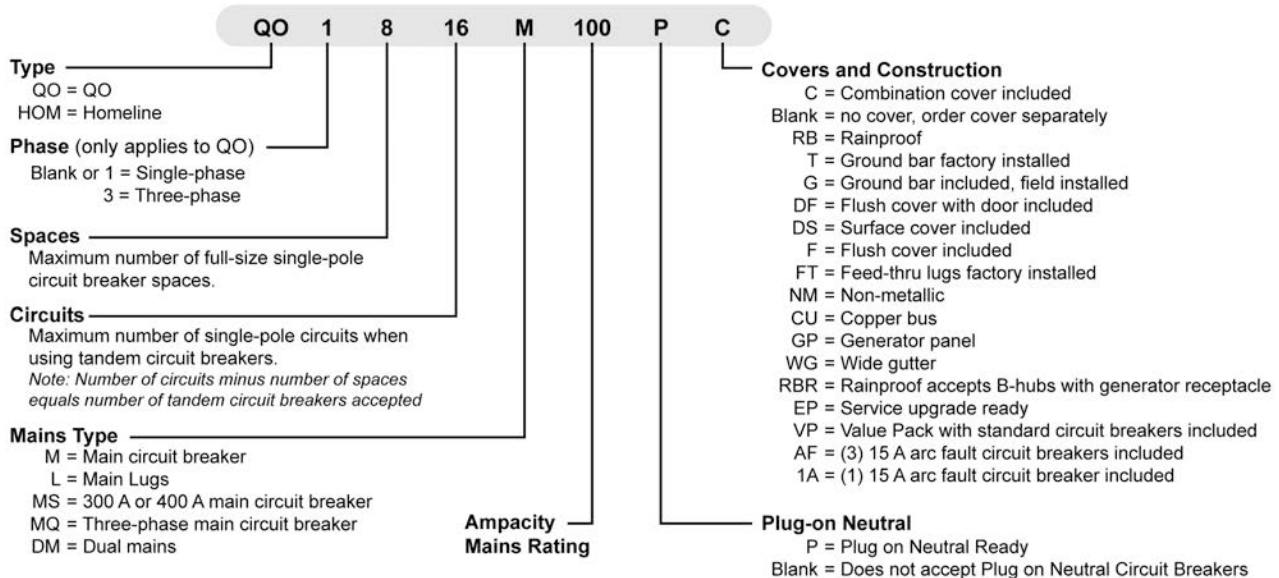
QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

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

- Search "Load Centers" from our technical FAQs page: www.schneider-electric.us/en/faqs/home/
- Refer to catalog [1100CT0501](#).

1Ø, Field-Installed Main Circuit Breaker Kits

Table 1.2: QOM1 Frame Size—Use with Convertible Main Load Centers Only



QOM1 Frame Size
50–125 Amperes

Main Circuit Breaker Rating [17]	Convertible Load Center Mains Rating	22 k AIR [18]	Lug Wire Size [19] AWG/kcmil
		Main Circuit Breaker	
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	

Table 1.3: QOM2 Frame Size—Use with Convertible Main Load Centers Only



QOM2 Frame Size
100–225 Amperes

Main Circuit Breaker Rating [17]	Convertible Load Center Mains Rating	22 k AIR [18]	Lug Wire Size [19] AWG/kcmil
		Main Circuit Breaker [20]	
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	

1Ø3W—120/240 Vac—UL Listed Main Circuit Breaker

Table 1.4: Main Circuit Breaker (Accepts Only QO Plug-On Circuit Breakers.)

Mains Rating	Spaces	Max. Single Pole Circuits [21]	Max. Tandem Circuit Breakers	Load Center Box and Interior	Indoor Cover with Door (Order Separately)		Main Wire Size AWG/kcmil Al or Cu	Equipment Ground Bar Kit (Order Separately)	Box No. See page 1-25
					Flush	Surface			
Convertible Mains—Factory-installed Main Circuit Breaker, 22 kA Short Circuit Current Rating, Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker. (See 1-5, page 1-3), [18]									
QOM1 Main Circuit Breaker Frame Size—Copper Bus									
100 A	12	12	0	QO112M100	QOC12UF	QOC12US	6–1	PK9GTA	5
	16	16	0	QO116M100	QOC20U100F	QOC20U100S		PK12GTA	6
	20	20	0	QO120M100	QOC20U100F	QOC20U100S		PK15GTA	6
	24	24	0	QO124M100	QOC24UF	QOC24US		PK15GTA	7
	32	32	0	QO132M100	QOC32UF	Use Flush		PK18GTA	8
125 A	24	24	0	QO124M125	QOC24UF	QOC24US	6–2/0	PK15GTA	7
	32	32	0	QO132M125	QOC32UF	Use Flush		PK18GTA	8
Convertible Mains—Factory-installed Main Circuit Breaker, 22 kA Short Circuit Current Rating, Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker. (See page 1-5, page 1-3), [18]									
QOM2 Main Circuit Breaker Frame Size—Copper Bus									
150 A	20	30	10	QO12030M150	QOC30UF	QOC30US	4–250	PK18GTA	9
	24	24	0	QO124M150	QOC30UF	QOC30US		PK15GTA	9
	30	30	0	QO130M150	QOC30UF	QOC30US		PK18GTA	9
	32	32	0	QO132M150	QOC40UF	QOC40US		PK18GTA	10
200 A	20	40	20	QO12040M200	QOC30UF	QOC30US	4–250	PK23GTA	9
	24	24	0	QO124M200	QOC30UF	QOC30US		PK15GTA	9
	24	36	12	QO12436M200TFT [22]	QOC40UF	QOC40US		PK23GTA and LK100AN [23]	10
	30	30	0	QO130M200	QOC30UF	QOC30US		PK18GTA	9
	30	40	10	QO13040M200	QOC30UF	QOC30US		PK23GTA	9
	40	40	0	QO140M200	QOC40UF	QOC40US		PK23GTA	10
	40	60	20	QO14060M200	QOC40UF	QOC40US		PK23GTA	10
	42	42	0	QO142M200	QOC42UF	QOC42US		PK23GTA	11
	42	52	10	QO14252M200	QOC42UF	QOC42US		PK23GTA	11
	42	40	0	QO140M225	QOC42UF	QOC42US		PK23GTA	11
225 A	42	42	0	QO142M225	QOC42UF	QOC42US	4–300	PK23GTA	11
	42	42	0	QO142M225	QOC42UF	QOC42US		PK23GTA	11
Fixed Mains—Factory-installed LAL Main Circuit Breaker, 42 kA Short Circuit Current Rating [24]									
300 A	42	42	0	QONQ42MS300 (int) [25]	NC62NQVF	NC62NQVS	(1) 4–500 or (2) 4–3/0	PK27GTA [26] or PK15GTA6	16
				MH62 (box) [27]					
400 A	42	42	0	QONQ42MS400 (int) [25]	NC62NQVF	NC62NQVS	(1) 4–500 or (2) 4–250	PK27GTA [26] or PK15GTA6	16
				MH62 (box) [27]					

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

[17] Do not exceed the load center mains rating.
 [18] 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.
 [19] 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 pages 1-5 through 1-11 under Main Wire Size.
 [20] Add suffix 1021 for 120, 208 or 240 Vac shunt trip.
 [21] Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
 [22] Supplied with feed-thru lugs.
 [23] Factory included.
 [24] UL short circuit current rating depends on lowest interrupting rating of circuit breakers installed. Also, UL Listed 5000 A short circuit current for corner grounded Delta systems. Use QO-H circuit breakers only.
 [25] Interior only, order box separately.
 [26] PK27GTA includes a 6–2/0 Al/Cu lug.
 [27] PE1A Discount Schedule.