



QO Load Center

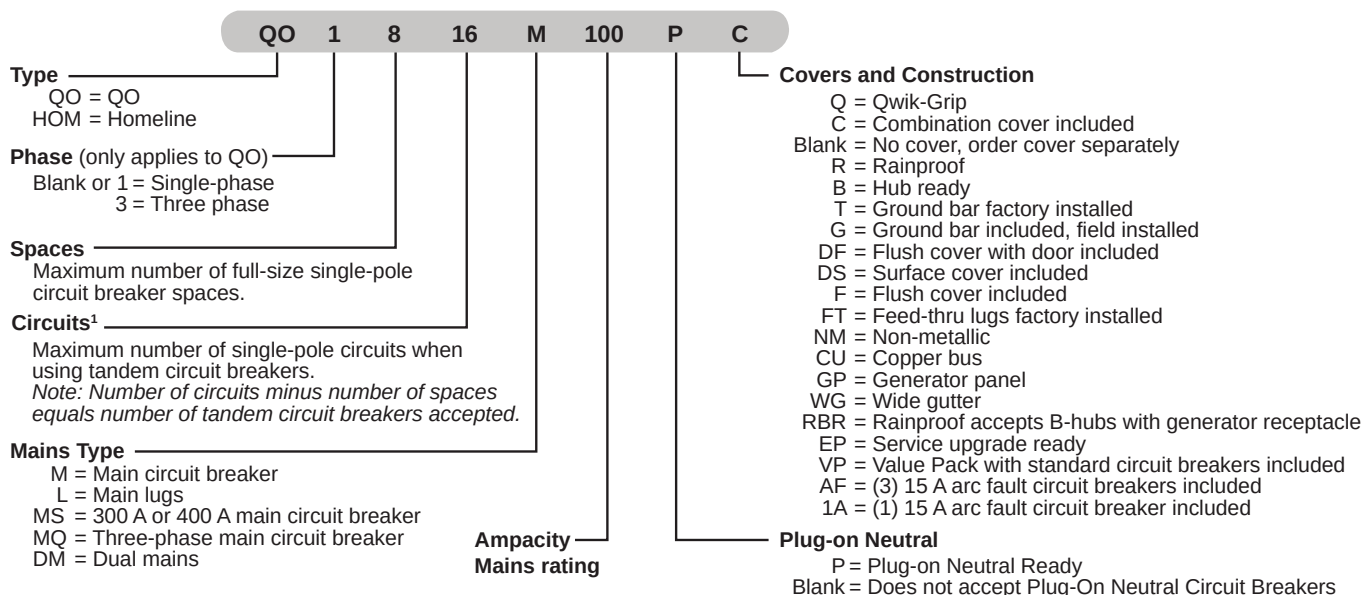
QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

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 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.

Plug-on Neutral Load Center Main Lugs, Convertible Mains Single-Phase, Three-wire—120/240 Vac Indoor—UL Listed

QO Plug-on Neutral Load Centers and CAFI Breakers are engineered for a quick Plug-on Neutral connection on every unit.

Table 1.18: Convertible Main Lugs Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breaker and QO Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [1]	Max. Tandem Circuit Breakers	Load Center Box and Interior	Load Center Covers		AI	CU	Bus Rating	Equipment Ground Bar Kit (Factory-Included)	Box No. [2]
						Flush/Surface	Mono-Flat					
INDOOR	Convertible Mains—Factory-installed Main Lugs — 65 kA Short Circuit Current Rating—Copper Bus QOM1 Main Frame Size—Convertible to Main Circuit Breaker											
	125 A	12	24	12	QO112L125PG	QOC16UF[3] QOC16US	—	6–2/0		125	PKGTALP1	6
		16	24	8	QO116L125PG	QOC24UF[3] QOC24US	—	6–2/0		125	PKGTALP1	7
		20	24	4	QO120L125PG	QOC20U100F[3] QOC20U100S	—	6–2/0		125	PKGTALP1	6
		24	34	10	QO124L125PG	QOC24UF[3] QOC24US	—	6–2/0		125	PK15GTAL	7
		30	34	4	QO130L125PG	QOC30U125C	—	6–2/0		125	PK23GTAL	9
		32	38	6	QO132L125PG	QOC32UF[3]	—	6–2/0		125	PKGTALP1	8
	Convertible Mains— Factory-installed Main Lugs, 65 kA Short Circuit Current Rating—Copper Bus QOM2 Main Frame Size—Convertible to Main Circuit Breaker											
	200 A	12	24	12	QO112L200PG	QOC30UF[3] QOC30US	QOCMF30UCW[3]	4–300	4–250	225	PKGTALP1	9
		24	36	12	QO124L200PG	QOC30UF[3] QOC30US	QOCMF30UCW[3]	4–300	4–250	225	PKGTALP1	9
		30	40	10	QO130L200PG	QOC30UF[3] QOC30US	QOCMF30UCW[3]	4–250		225	PK23GTAL	9
		40	60	20	QO140L200PG	QOC40UF[3] QOC40US	—	4–300	4–250	225	PKGTALP2	10
	225 A	42	52	10	QO142L225PG	QOC42UF[3] QOC42US	QOCMF42UCW[3]	4–300		225	PK23GTAL	11
		54	64	10	QO154L225PG	QOC54UF[3]	QOCMF54UCW[3]	4–300		225	PK23GTAL	11

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

^{08S} This product is obsolete.

[1] Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.

[2] See page 1-40

[3] Available in gray and white. For white equivalencies, add the "W" suffix to the reference, or see page 1-36.

QO Load Centers with Included Cover
Single-phase, three-wire—120/240 Vac Indoor—UL Listed

Table 1.24: Load Centers with Included Cover (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)

Mains Rating	Short Circuit Current Rating	Spaces	Max. 1P Circuits [16]	Max. Tandem Circuit Breakers	Load Center [17] Box, Interior, and Cover	Al	Cu	Bus Rating	Equipment Ground Bar Kit	Box No. [18]
125 A	65 kA	12	24	12	QO112L125PGC	6-2/0		125	PKGTALP1 Included	5
	65 kA	24	34	10	QO124L125PGC	6-2/0		125	PK15GTA, LK100AN Included	7
Convertible Mains—Factory-Installed Main Lugs [19]—QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See page)—Copper Bus										
200 A	65 kA	30	40	10	QO130L200PGC	4-250		225	PK23GTA, LK100AN Included	9
225 A	65 kA	42	52	10	QO142L225PGC	4-300		225	PK23GTA, LK100AN Included	11
Convertible Mains—Factory-Installed Main Circuit Breaker—QOM1 Main Frame Size—Convertible to Main Lugs (See Single-phase, Field-Installed Mains Kits, page 1-31 or Lower Amperage Main Circuit Breaker (See page)—Copper Bus [20]										
100 A	22 kA	12	24	12	QO112M100PC	6–2/0	6–1	125	PK9GTA	5
	22 kA	20	24	4	QO120M100PC	6–2/0	6–1	125	PK9GTA	6
	22 kA	24	34	10	QO124M100PC	4-300		125	PK15GTA	7
Convertible Mains—Factory-Installed Main Circuit Breaker—QOM2 Main Frame Size—Convertible to Main Lugs (See Single-phase, Field-Installed Mains Kits, page 1-31 or Lower Amperage Main Circuit Breaker (See page)—Copper Bus [20]										
150 A	22 kA	30	40	10	QO130M150PC	4-250		225	PK15GTA	9
	22 kA	42	52	10	QO142M150PC	4-300		225	PK18GTA	11
200 A	22 kA	30	40	10	QO130M200PC	4-250		225	PK15GTA	9
	22 kA	40	60	20	QO140M200PC	4-300	4-250	225	PK23GTA	10
	22 kA	42	52	10	QO142M200PC	4-300		225	PK18GTA	11
	22 kA	54	72	18	QO154M200PC	4-300		225	PK23GTA	12

Plug-on Neutral Load Center Main Lugs, Convertible Mains

Single-phase, three-wire—120/240 Vac Rainproof—UL Listed

QO Plug-on Neutral Load Centers and CAFI Breakers are engineered for a quick Plug-on Neutral connection on every unit.

Table 1.25: Convertible Main Lugs Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits ^[16]	Max. Tandem Circuit Breakers	Load Center Box and Interior	Al	Cu	Bus Rating	Equipment Ground Bar Kit (Factory Included)	Box No. ^[21]
RAINPROOF	Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating ^{[22][19][23]} QOM1 Main Circuit Breaker Frame Size, Convertible to Main Circuit Breaker — Equipment Ground Bar Included									
	125 A	12	24	12	QO112L125PGRB	6-2/0		125	PKGTALP1	3R
		16	24	8	QO116L125PGRB	6-2/0		125	PKGTALP1	4R
		24	34	10	QO124L125PGRB	6-2/0		125	PK15GTA	4R
	Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating ^{[22][19][23]} QOM2 Main Circuit Breaker Frame Size, Convertible to Main Circuit Breaker — Equipment Ground Bar Included									
	200 A	12	24	12	QO112L200PGRB	4-300	4-250	225	PKGTALP1	5R
		30	40	10	QO130L200PGRB	4-250		225	PK23GTAL	6R
		40	60	20	QO140L200PGRB	4-300	4-250	225	PKGTALP2	7R
	225 A	42	52	10	QO142L225PGRB	4-300		225	PK23GTA, LK100AN	8R

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

[16] Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.

[17] Order F for flush device or S for surface device.

[18] See page 1-40

[19] UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.

[20] 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.

[21] See Table 1.76 Enclosure Dimensions, page 1-42 or Indoor Enclosure Dimensions and Knockout Information, page 1-40

[22] UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.

[23] Side hinge door device; allow 1-1/4 in. on left side for door to open.

Plug-on Neutral Load Center Main Breaker, Convertible Mains
Single-phase, three-wire—120/240 Vac Rainproof—UL Listed

QO Plug-on Neutral Load Centers and CAFI circuit breakers are engineered for a quick Plug-on Neutral connection on every unit.

Table 1.26: Convertible Main Breaker Plug-on Neutral Load Center (Compatible with QO Plug-on Circuit Breakers and QO Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [24]	Max. Tandem Circuit Breakers	Load Center Box and Interior	Al	Cu	Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [25]
RAINPROOF	Convertible Mains — Factory-Installed Main Breaker — 22 kA Short Circuit Current Rating Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (See page) [26] QOM1 Main Circuit Breaker Frame Size—Copper Bus									
	100 A	12	24	12	QO112M100PRB	6-2/0		125	PK9GTA	3R
		16	24	8	QO116M100PRB	6-2/0		125	PK9GTA	4R
		20	24	4	QO120M100PRB	6-2/0		125	PK9GTA	4R
		24	34	10	QO124M100PRB	6-2/0		125	PK15GTA	4R
	125 A	24	34	10	QO124M125PRB	6-2/0		125	PK15GTA	4R
	Convertible Mains — Factory-Installed Main Breaker — 22 kA Short Circuit Current Rating Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker (See page) [26] QOM2 Main Circuit Breaker Frame Size—Copper Bus									
	150 A	20	30	10	QO120M150PRB	4-300	4-250	225	PK15GTA	5R
		30	40	10	QO130M150PRB	4-250		225	PK15GTA	6R
	200 A	20	30	10	QO120M200PRB	4-300	4-250	225	PK15GTA	5R
		30	40	10	QO130M200PRB	4-250		225	PK15GTA	6R
		40	60	20	QO140M200PRB	4-300	4-250	225	PK23GTA	7R
		42	52	10	QO142M200PRB	4-300		225	PK18GTA	8R
	225 A	42	52	10	QO142M225PRB	4-300		225	PK18GTA	8R

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

[24] Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.

[25] See Table 1.76 Enclosure Dimensions, page 1-42 or Indoor Enclosure Dimensions and Knockout Information, page 1-40

[26] 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT, QO-GFI, QO-AFI, QO-EPD and QOPL 10 k AIR branch circuit breakers to permit their application on systems up to 22 kA