QO Load Center



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

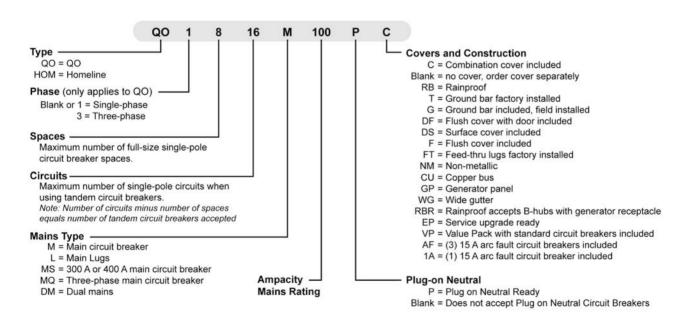
F7 Selector

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Steps to select a load center.

- 1. 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)
- 2. Select enclosure type: indoor or outdoor (RB = rainproof)
- 3. Select single phase (1) or three phase (3)
- 4. Select type of main:
 - Main circuit Breaker (M)
 - Main lugs (L)
 - · Generator panel (GP)
- 5. Select main ampacity rating
- 6. Select pole spaces and max. number of 1-pole, single-phase circuits
- 7. Select cover style:
 - Surface (box mounted on surface)
 - Surface (box mounted on surface, hinged cover included)
 - · Flush (box recessed, cover is flush to wall)
- 8. Value pack (VP)
- 9. Select ground bar option:
 - Ground bar factory installed (T)
 - Ground bar included, field installation (G)
- 10. 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.

LOAD CENTERS

Indoor, 1Ø, Main Lugs





QO816L100F or S without cover

Table 1.1: Main Lugs (Accepts Only QO Plug-On Circuit Breakers)

Mains Rat- ing	Space-	Max. 1P Circuits [1]	Max. Tandem Circuit Breakers	Load Center Box and Interior	Indoor Cover with Door (Order Separately)		Main Wire Size AWG/kcmil		Equipment Ground Bar	Box No.
	S				Flush	Surface	Al	Cu	Kit (Order Separately)	[2]
Fixed N	//ains—Fac	ctory-Installe	d Main Lugs-	—10 kA Short Circuit Current Rating [3]						
30 A	2	2	0	QO2L30S [4] [5]	Cover Included—Without Door		12-10	14-10	PK3GTA1	1
70 A	2	4	2	QO24L70F/S [6] [7]	Cover Included	-Without Door	12-3	14-4	PK4GTA	2
100 A	6	12	6	QO612L100F/S [6] [8]	Cover Included	-Without Door			PK7GTA	4
	6	12	6	QO612L100DF/S [6] [8]	Cover Included—With Door		8–1		PK7GTA	4
	8	16	8	QO816L100F/S [6] [8]	Cover Included—Without Door Cover Included—With Door Cover Included—With Door				DICTOTA	4
	8	16	8	QO816L100DF/S [6] [8]					PK7GTA	4
	6	12	6	QO612L100DFCU/SCU [6] [8] [9]					PK7GTA	4
	8	16	8	QO816L100DFCU/SCU [6] [8] [9]	Cover Include	d—With Door			PK7GTA	4
125 A	4	8	4	QO148L125GF/S [6] [10]	Cover Included—Without Door		12-2/0	14-2/0	PK7GTA [11]	21
Conver	tible Mains	-Factory-Ir	nstalled Main	Lugs-65 kA Short Circuit Current Rating	g QOM1 Main Frame	e Size—Convertible	to Main Ci	cuit Break	er—Cu Bus [3] [12]	
	12	12	0	QO112L125G	QOC16UF	QOC16US	6–2/0		PK9GTA [11]	6
	12	24	12	QO11224L125G	QOC16UF	QOC16US			PK15GTA [11]	6
	16	16	0	QO116L125G	QOC24UF	QOC24US			PK12GTA [11]	7
405.4	16	24	8	QO11624L125G	QOC24UF	QOC24US			PK15GTA [11]	7
125 A	20	20	0	QO120L125G	QOC20U100F	QOC20U100S	6-2/0	6–1	PK15GTA [11]	6
	20	24	4	QO12024L125G	QOC20U100F	QOC20U100S	6-2/0	6–1	PK15GTA [11]	6
	24	24	0	QO124L125G	QOC24UF	QOC24US	6–2/0		PK15GTA [11]	7
	32	32	0	QO132L125G	QOC32UF	Use Flush			PK23GTA, LK100AN [11]	8
Conver	nvertible Mains—Factory-Installed Main Lugs—65 kA Short Circuit Current Rating —Convertible To Main Circuit Breaker–						—Cu Bus [3	3] [12]		
150 A 200 A 225 A	20	30	10	QO12030L150G	QOC30UF	QOC30US	6–250		PK23GTA, LK100AN [11]	9
	24	24	0	QO124L150G	QOC30UF	QOC30US			PK15GTA [11]	9
	30	30	0	QO130L150G	QOC30UF	QOC30US			PK23GTA, LK100AN [11]	9
	12	12	0	QO112L200G	QOC30UF	QOC30US	6–250		PK15GTA [11]	9
	24	36	12	QO12436L200TFT [13]	QOC40UF	QOC40US			PK23GTA, LK100AN [11]	10
	30	30	0	QO130L200G	QOC30UF	QOC30US			PK23GTA, LK100AN [11]	9
	30	40	10	QO13040L200G	QOC30UF	QOC30US			PK23GTA, LK100AN [11]	9
	40	40	0	QO140L200G	QOC40UF	QOC40US			PK23GTA, LK100AN [11]	10
	40	60	20	QO14060L200G	QOC40UF	QOC40US			(2) PK15GTA [11]	10
	42	52	10	QO14252L200G	QOC42UF	QOC42US			(2) PK15GTA [11]	11
	42	42	0	QO142L225G	QOC42UF	QOC42US	6–300		PK23GTA, LK100AN [11]	11
Fixed I	ed Mains—Factory-Installed Main Lugs—65 kA Short Circuit Current Rating [3] [12]									-
400 A	30	30	0	QONQ30LS400 (Int) [14]	NC50NQVF	NC50NQVS	(1) 1/0–750 or (2) 1/0–300			45
				MH50 (box) [16]					PK27GTA [15]	15
	42	42	0	QONQ42LS400 (Int) [14]	NC50NQVF	NC50NQVS			or PK15GTA6	4-
				MH50 (box) [16]					INTOOTAU	15

- [1] Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
- [2] [3]
- Waximum single pole brainch circuits utilizing QQ and/or QQ1 circuit breakers.

 See Table 1.58 Knockout Information, page 1-25

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

 Will not accept QO-EPD or Qwik-Gard™ QO-GFI or QO-AFI circuit breakers.

 Mains rated 25 A when AI wire is used.
- [4]
- [5] [6] [7] Order F for flush device or S for surface device.
- Use 10 AWG maximum size wire for GFI and AFI circuit breakers.
- [8] 70 A Max. branch circuit breaker and 100 A max. back fed main circuit breaker.
- [9] CU indicates copper bus.
- [10] Copper bus.
- [11] Factory-included.
- [12] UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.
- [13]
- Supplied with feed-thru lugs. Interior only, order box separately. [14]
- PK27GTA includes a 6–2/0 AWG Al/Cu lug. [15]
- PE1A Discount Schedule.