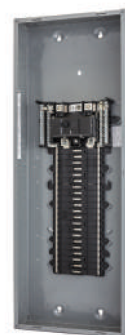


Indoor, QO Convertible Mains (100–225 A), 1Ø — Main Circuit Breaker



QO124M100P



QO142M200P

Table 7 - Plug-on Neutral Load Center Main Breaker, Convertible Mains (1Ø3W–120/240 Vac Indoor—UL Listed)

Mains Rating	Spaces	Max. Single Pole Circuits	Max. Tandem Circuit Breakers	Load Center box and Interior	Load Center Covers (Order Separately)		Al	Cu	Equipment Ground Bar Kit (Factory-Included)	Box No. ¹⁰
					Flush/Surface	Mono-Flat				
Convertible Mains — Factory-installed Main Lugs — 22 kA Short Circuit Current Rating Convertible to Main Lugs or Lower Amperage Main Circuit Breaker										
100 A	12	24	12	QO112M100P	QOC12UF, QOC12US	—	6–2/0	6–1	PK9GTA	5
	16		8	QO116M100P	QOC20U100F ¹¹ , QOC200U100S	—				6
	20		4	QO120M100P	QOC20U100F ¹¹ , QOC200U100S	—				
	24	34	10	QO124M100P	QOC24UF ¹¹ , QOC24US	—	6–2/0	PK15GTA	7	
	32	38	6	QO132M100P	QOC32UF ¹¹	—			8	
125 A	24	34	10	QO124M125P	QOC24UF ¹¹ , QOC24US	—			7	
	32	38	6	QO132M125P	QOC32UF ¹¹	—			8	
Convertible Mains — Factory-Installed Main Lugs — 22 kA Short Circuit Current Rating Convertible to Main Lugs (see below) or Lower Amperage Main Circuit Breaker QOM2 Main Circuit Breaker Frame Size — Copper Bus										
150 A	20	30	10	QO120M150P	QOC30UF ¹¹ , QOC30US	QOCMF30UC ¹¹	4–300	4–250	PK15GTA	9
	24	36	12	QO124M150P	QOC30UF ¹¹ , QOC30US					
	30	40	10	QO130M150P	QOC30UF ¹¹ , QOC30US					
	32	40	8	QO132M150P	QOC40UF ¹¹ , QOC40US	—			PK18GTA	10

10. See QO/Homeline Enclosure Dimensions and Knockout Information, page 67.

11. Available in gray and white colors. For white equivalencies add the "W" suffix to the reference or see QO Load Center Covers, page 43.

Indoor, QO Convertible Mains (125–225 A) with Included Cover 1Ø



Table 9 - QO Load Centers with Included Cover (1Ø3W–120/240 Vac Indoor—UL Listed)

Mains Rating	Short Circuit Current Rating	Spaces	Max. Single Pole Circuits ¹⁷	Max. Tandem Circuit Breakers	Load Center Box, Interior, and Cover	Al	Cu	Equipment Ground Bar Kit (Order Separately)	Box No.
125 A	65 kA	12	24	12	QO112L125PGC	6–2/0		PKGTALP1 Included	6
		20		4	QO120L125PGC				7
		24	10	QO124L125PGC					
Convertible Mains — Factory-Installed Main Lugs¹⁸									
200 A	65 kA	30	40	10	QO130L200PGC	4–300		PKGTALP1 Included	9
225 A		42	52	10	QO142L225PGC				PKGTALP2 Included
		54	72	18	QO154L225PGC			12	
Convertible Mains — Factory-Installed Main Circuit Breaker — QOM1 Main Frame Size — Convertible to Main Lugs¹⁹									
100 A	22 kA	12	24	12	QO112M100PC	6–2/0	6–1	PK9GTA	5
		16		8	QO116M100PC			PK12GTA	6
		20		4	QO120M100PC				
		24	34	10	QO124M100PC	6–2/0	PK15GTA, LK100AN	7	
Convertible Mains — Factory-Installed Main Circuit Breaker — QOM2 Main Frame Size — 10 Convertible to Main Lug¹⁹									
150 A	22 kA	30	40	10	QO130M150PC	4–300	4–250	PK18GTA, LK100AN, PK23GTA, LK100AN	9
		42	52		QO142M150PC	4–300		PK18GTA, LK100AN	11
200 A	22 kA	30	40	10	QO130M200PC	4–300	4–250	PK23GTA	9
		40	60	20	QO140M200PC				10
		42	52	10	QO142M200PC	4–300	PK23GTA, LK100AN	11	
		54	72	18	QO154M200PC			12	

17. Maximum single pole branch circuits utilizing QO and/or QOT (20 A MAX. NON-CTL) circuit breakers.
 18. UL Listed 5000 A short circuit current rating for corner grounded Delta systems (Use QO-H circuit breakers only).
 19. 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.

Rainproof, QO Convertible Mains (100–225 A), 1Ø — Main Lugs and Main Breaker

Table 10 - Plug-on Neutral Load Center Main Lugs, Convertible Mains (1Ø3W–120/240 Vac Rainproof — UL Listed)

Mains Rating	Spaces	Max. Single Pole Circuits ²⁰	Max. Tandem Circuit Breakers	Load Center box and Interior	Al	Cu	Equipment Ground Bar Kit (Factory-Included)	Box No. ²¹
Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating ^{22, 23, 24} QOM1 Main Circuit Breaker Frame Size, Convertible to Main Circuit Breaker — Equipment Ground Bar Included								
125 A	12	24	12	QO112L125PGRB	6–2/0		PKGTALP1	3R
	16		8	QO116L125PGRB				4R
	24	34	10	QO124L125PGRB				
Convertible Mains — Factory-Installed Main Lugs — 65 kA Short Circuit Current Rating ^{23, 24} 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	PKGTALP1	5R
	30	40	10	QO130L200PGRB				6R
	40	60	20	QO140L200PGRB			PKGTAL2	7R
225 A	42	52	10	QO142L225PGRB	4–300		PKGTALP2	8R

Table 11 - Plug-on Neutral Load Center Main Breaker, Convertible Mains (1Ø3W–120/240 Vac Rainproof — UL Listed)

Mains Rating	Spaces	Max. Single Pole Circuits	Max. Tandem Circuit Breakers	Load Center Box and Interior	Al	Cu	Equipment Ground Bar Kit (Order Separately)	Box No. ²¹	
Convertible Mains — Factory-Installed Main Lugs — 22 kA Short Circuit Current Rating Convertible to Main Lugs ²⁵ QOM1 Main Circuit Breaker Frame Size — Copper Bus									
100 A	12	24	12	QO112M100PRB	6–2/0		PK9GTA	3R	
	16		8	QO116M100PRB				4R	
	20		4	QO120M100PRB					
	24	34	10	QO124M100PRB			PK15GTA	4R	
125 A	24	34	10	QO124M125PRB					
Convertible Mains — Factory-Installed Main Lugs — 22 kA Short Circuit Rating Convertible to Main Lugs ²⁶ QOM2 Main Circuit Breaker Frame Size — Copper Bus									
150 A	20	30	10	QO120M150PRB	4–300	4–250	PK15GTA	5R	
	30	40		QO130M150PRB				6R	
200 A	20	30	10	QO120M200PRB					
	30	40		QO130M200PRB			6R		
	40	60	20	QO140M200PRB	PK23GTA	7R			
225 A	42	52	10	QO142M200PRB	4–300		PK18GTA	8R	
	42	52	10	QO142M225PRB	4–300				

20. Maximum single pole branch circuits utilizing QO and/or QOT circuit breakers.
 21. See QO/Homeline Enclosure Dimensions and Knockout Information, page 67.
 22. UL Listed 5000 A short circuit current rating for corner grounded Delta systems. Use QO-H circuit breakers only.
 23. UL short circuit current rating depends on lowest interrupting rating of circuit breaker installed.
 24. Side hinge door device; allow 1–1/4 in. on left side for door to open.
 25. 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.
 26. 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT, QO-GFI, QO-AFI, QO-EPD and QOPL 10k AIR branch circuit breakers to permit their application on systems up to 22 kA.

Table 71 - Manual Transfer Equipment Kit



QO2DTI



QODTIM



PK4DTIM4LA



PK4DTIM4LAL



PK7GTA



PK12GTA



PK15GTA6



PKGTALP1



PKGTAB

(Manual transfer equipment kits secure two 2-pole, 10-125 A circuit breakers.)		
Load Center	Load Center	Usage Information
QO	QO2DTI	For interlocking the handles of two 2P or one 2P and one 1P QO and Q1 circuit breakers mounted side-by-side so that only one circuit breaker can be ON at a time.
	QODTIM	QO2DTI mechanical interlock attachment with retaining kits for securing two adjacent back-fed circuit breakers in dual power supply applications. Can be used with (2) 2P or (1) 2P and (1) 1P QO circuit breakers in QO816L100 load centers.
	PK4DTIM4LA	Secures two 2P circuit breakers to right side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For 1Ø 100–125 ampere convertible main load centers. Series S01 and S02.
	PK4DTIM4LAL	Secures two 2P circuit breakers to left side of interior when used as back-fed mains, a QO2DTI Kit included for back-up power supply applications. For 1Ø 100–125 ampere convertible main load centers. Series S01 and S02.

Table 72 - Ground Bar Kits

(Field-installable in all load centers. Same wire size as neutral terminals. Suitable for copper or aluminum wire)		
Load Center	Load Center	Usage Information
QO and Homeline	PK3GTA1	Ground Bar Assembly—3 connectors
	PK4GTA	Ground Bar Assembly—4 connectors
	PK5GTA	Ground Bar Assembly—5 connectors
	PK7GTA	Ground Bar Assembly—7 connectors
	PK9GTA	Ground Bar Assembly—9 connectors
QO	PK12GTA	Ground Bar Assembly—12 connectors
QO and Homeline	PK15GTA	Ground Bar Assembly—15 connectors
	PK18GTA	Ground Bar Assembly—18 connectors
	PK23GTA	Ground Bar Assembly—23 connectors
	PK27GTA	Ground Bar Assembly—27 connectors
QO	PK15GTA6	Ground Bar Assembly—21 connectors. Use in high amperage load centers
	PK15GTAL	Standard PK15GTA with a 1–4/0 Al/Cu Lug
QO and Homeline	PK18GTAL	Standard PK18GTA with a 1–4/0 Al/Cu Lug
QO	PK23GTAL	Standard PK23GTA with a 1–4/0 Al/Cu Lug
QO and Homeline	PKGTALP1	Ground Bar Pack— PK9GTA, PK9GTA, and LK100AN
	PKGTALP2	Ground Bar Pack— PK9GTA, PK18GTA, and LK100AN
	PKGTALP3	Ground Bar Pack—PK15GTA, PK18GTA, and LK100AN
	PKGTAB	Insulator Kit for PK7GTA through PK27GTA



Table 73 - Ground Bar Kits

(All PK equipment grounding kits are supplied with mounting screws, necessary installation instructions, and an equipment grounding terminal self-adhesive label.)												
Catalog No.	Total Qty.	Terminals						Approximate Overall Length		Distance Between Mounting Holes		Mounting
		Quantity Each Size (See Wiring Range , page 77)										
		I	II	III	IV	V	VI	in.	mm	in.	mm	
PK3GTA1	3	3	—	—	—	—	—	1.38	35	One hole	One hole	Top
PK4GTA	4	4	—	—	—	—	—	1.63	41	One hole	One hole	Top
PK5GTA	5	5	—	—	—	—	—	2.25	57	1.25	32	Top
PK7GTA	7	7	—	—	—	—	—	2.88	73	1.25	32	Top or Side
PK9GTA	9	9	—	—	—	—	—	3.78	96	3.13	80	Top
PK12GTA	12	12	—	—	—	—	—	4.7	119	3.13	80	Top
PK15GTA	15	15	—	—	—	—	—	5.63	143	3.13	80	Top
PK15GTAL	16	15	1	—	—	—	—	8.13	207	3.13	80	Top
PK15GTA6	21	15	—	—	6	—	—	5.88	149	124	124	Top
PK18GTA	18	18	—	—	—	—	—	8.13	167	3.13	80	Top
PK18GTAL	19	18	1	—	—	—	—	5.88	224	3.13	80	Top
PK23GTA	23	23	—	—	—	—	—	6.56	206	3.13	80	Top
PK23GTAL	24	23	1	—	—	—	—	8.81	240	3.13	80	Top
PK27GTA ¹²⁵	27 or 26	27 or 26	—	1	—	—	—	8.11	238	3.13	80	Top

Table 74 - Wiring Range

Size	Cu (AWG)	Al (AWG)
I	(1) #14 – # 4 or (2) #14 or #12	(1) #12 – #4 or (2) #12 or #10
II	(1) #1 – 4/ 0	(1) #1 – 4/0
III	(1) #6 – 2/ 0	(1) #6 – 2/0
IV	(1) #6 – 3/0	(1) #6 – 3/0
V	(1) #14 – 1/0	(1) #14 – 1/0
VI	(1) #10 – 2/0	(1) #6 – 2/0

124. 3.13 in. (80 mm) on small terminals; 5.25 in. (133 mm) on large terminals.

125. PK27GTA includes one main grounding lug that mounts with two terminal screws and requires three terminals for mounting.