

QO Standard Load Center Main Lugs and Main Breaker

3Ø4W, 208Y/120 Vac—3Ø4W, 240/120 Vac Delta—3Ø3W, 240 Vac Delta—Indoor and Rainproof—UL Listed

Table 1.37: Main Lugs and Main Breaker Load Centers (Accepts Only QO Plug-on Circuit Breakers—Not compatible with QO Plug-on Neutral Circuit Breakers)

	Mains Rating	Max. Number of 1P QO circuit breakers	Load Center Box and Interior	Indoor Cover with Door (Order Separately)		Main Wire Size AWG/kcmil		Equipment Ground Bar Kit (Order Separately)	Box No. [66]		
			Cat. No.	Flush	Surface	Al	Cu				
INDOOR	<b>Fixed Mains—Factory-installed Main Lugs—Copper Bus—65 kA Short Circuit Current Rating [67]</b>										
	60 A	3	QO403L60NF/S	Cover Included With Load Center (No Door)		—	10–6	PK4GTA	13		
	125 A	12	QO312L125G [68]	QOC16UF	QOC16US	6–2/0	6–2/0	Factory-incl. [69]	6		
		20	QO320L125G [68]	QOC24UF	QOC24US			Factory-incl. [69]	7		
		24	QO324L125G [68]	QOC24UF	QOC24US			Factory-incl. [69]	7		
	200 A	18	QO318L200G [68]	QOC30UF	QOC30US	6–250	6–250	Factory-incl. [70]	9		
		30	QO330L200G [68]	QOC30UF	QOC30US			Factory-incl. [70]	9		
	225 A	42	QO342L225G [68]	QOC42UF	QOC42US	6–300	6–300	Factory-incl. [70]	11		
	<b>Convertible Mains—Factory-installed QDL Main Circuit Breaker—Copper Bus—25 kA Short Circuit Current Rating [71]</b>										
	100 A	27	QO327M100 [72]	QOC30UF	QOC30US	4–2/0	4–2/0	PK15GTA	9		
	125 A	30	QO330MQ125 [73] [68]	QOC342MQF	QOC342MQS	4–300	4–300	PK18GTA	12		
	150 A	30	QO330MQ150 [73] [68]	QOC342MQF	QOC342MQS	4–300	4–300	PK18GTA	12		
		42	QO342MQ150 [73] [68]	QOC342MQF	QOC342MQS			PK23GTA	12		
	200 A	30	QO330MQ200 [73] [68]	QOC342MQF	QOC342MQS	4–300	4–300	PK18GTA	12		
		42	QO342MQ200 [73] [68]	QOC342MQF	QOC342MQS			PK23GTA	12		
	225 A	42	QO342MQ225 [73] [68]	QOC342MQF	QOC342MQS	4–300	4–300	PK23GTA	12		
RAI NPROOF	<b>Fixed Mains—Factory-installed Main Lugs—Copper Bus—65 kA Short Circuit Current Rating [67] [74]</b>										
	60 A	3	QO403L60NRB	Cover Included		—	10–6	PK4GTA	10R		
	125 A	12	QO312L125GRB			6–2/0	6–2/0	Factory Incl. [69]	3R		
		20	QO320L125GRB			6–250		6–250	6–250	Factory Incl. [70]	4R
	200 A	18	QO318L200GRB					6–250	6–250	Factory Incl. [70]	6R
		30	QO330L200GRB					6–300		6–300	6–300
	225 A	42	QO342L225GRB	6–300	6–300	Factory Incl. [70]	8R				
	<b>Convertible Mains—Factory-installed QDL Main Circuit Breaker—Copper Bus—25 kA Short Circuit Current Rating [71] [74]</b>										
	100 A	27	QO327M100RB [72]	Cover Included		4–2/0	4–2/0	PK15GTA	6R		
	125 A	30	QO330MQ125RB [73]			4–300	4–300	PK18GTA	14R		
	150 A	30	QO330MQ150RB [73]			4–300	4–300	PK18GTA	14R		
		30	QO330MQ200RB [73]			4–300		4–300	4–300	PK18GTA	14R
	200 A	42	QO342MQ200RB [73]					4–300	4–300	PK23GTA	14R
		42	QO342MQ225RB [73]					4–300		4–300	4–300
	225 A	42	QO342MQ225RB [73]			4–300	4–300			PK23GTA	14R

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

Table 1.38: 3Ø, Main Circuit Breakers

Amperage	25 k AIR	65 k AIR	100 k AIR [75]
<b>Field-installed alternate main circuit breakers for QO 3Ø main circuit breaker load centers rated 70–225 A. Do not exceed the load center main rating.</b>			
70 A	QDL32070	QGL32070	QJL32070
80 A	QDL32080	QGL32080	QJL32080
90 A	QDL32090	QGL32090	QJL32090
100 A	QDL32100	QGL32100	QJL32100
110 A	QDL32110	QGL32110	QJL32110
125 A	QDL32125	QGL32125	QJL32125
150 A	QDL32150	QGL32150	QJL32150
175 A	QDL32175	QGL32175	QJL32175
200 A	QDL32200	QGL32200	QJL32200
225 A	QDL32225	QGL32225	QJL32225

Table 1.39: 3Ø, Main Lugs Kits

Main Lugs Amperage Rating	Cat. No.	Lug Wire Size AWG/kcmil
<b>Field-installed main lugs for convertible 3Ø main circuit breaker load centers</b>		
125 A	QOL3125	6–2/0 Cu/Al
225 A	QOL3225	6–300 Cu/Al



QO330MQ200



QO312L125G

[66] See page 1-33

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

[68] For Certification to IEC 60439-1 contact the local Square D sales office; otherwise panels are NOT CE marked. (For use on 415Y/240 Vac 3-phase 4-wire, 3,000 Short Circuit Current Rating when QOXD...branch circuit breakers are used and 10,000 Short Circuit Current Rating when QO...VS branch circuit breakers are used).

[69] PK15GTA.

[70] PK23GTA and LK100AN.

[71] 25 kA short circuit current rating SCCR maximum with Square D Type QDL main circuit breaker, or 22 kA SCCR maximum with back-fed Type QO-VH main circuit breaker, feeding QO 10 k AIR branch circuit breakers.

[72] Includes factory-installed back fed QO3100VH main circuit breaker.

[73] 65 kA Short Circuit Current Rating maximum with field-installed Square D type QGL 65 k AIR minimum main circuit breaker feeding QO and Q1 10 k AIR minimum branch circuit breakers.

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

[75] When these 3P circuit breakers are used as the main circuit breaker of a 3Ø load center, the maximum AIR rating is 65 kA at 240 Vac and 100 kA at 208 Vac.