

QO® Circuit Breaker Load Centers—Class 1130

Technical Information

Main Lugs and Main Circuit Breaker Ratings

Single-Phase, Three-Wire, 120/240 Vac; Main Lugs Indoor

Mains Rating in Amps	Load Center Catalog Number	Load Center Cover Catalog Number	UL Listed Service Equipment (See notes)	Maximum UL Short Circuit Rating ¹	Main Wire Size AWG/kcmil Al/Cu	Enclosure No. (Page 26)	Top or Bottom Mains Position	UL Listed for Corner Grounded Delta Systems
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Fixed Mains – Factory-Installed Main Lugs

30	QO2L30S	Included	No	10,000 A	#12 10 Al #14 10 Cu	1	Top	No
70	QO24L70F/S	Included	B	10,000 A	#12 3 Al #14 4 Cu	2	Top	No
100	QO612L100F/S	Included	B, C	10,000 A	#8 1	4	Top	No
	QO612L100DF/S	Included	B, C	10,000 A	#8 1	4	Top	
	QO612L100DFCU/SCU	Included	B, C	10,000 A	#8 1	4	Top	
100	QO816L100F/S	Included	B, C	10,000 A	#8 1	4	Top	No
	QO816L100DF/S	Included	B, C	10,000 A	#8 1	4	Top	
	QO816L100DFCU/SCU	Included	B, C	10,000 A	#8 1	4	Top	
125	QO148L125GF/S	Included	B, C	10,000 A	#12 2/0 Al #14 2/0 Cu	21	Top	No

Convertible Mains – Factory-Installed Main Lugs

QOM1 Main Frame Size – Convertible to Main Circuit Breaker – Copper Bus

125	QO112L125G	QOC16UF/S	B, C	65,000 A ^{2 3}	#6 2/0	6	Both	Yes
	QO11224L125G	QOC16UF/S	B, C	65,000 A ^{2 3}	#6 2/0	6	Both	
	QO116L125G	QOC24UF/S	B, C	65,000 A ^{2 3}	#6 2/0	7	Both	
	QO11624L125G	QOC24UF/S	B, C	65,000 A ^{2 3}	#6 2/0	7	Both	
	QO120L125G	QOC24UF/S	B	65,000 A ^{2 3}	#6 2/0	7	Both	
	QO12024L125G	QOC24UF/S	B	65,000 A ^{2 3}	#6 2/0	7	Both	
	QO124L125G	QOC24UF/S	B	65,000 A ^{2 3}	#6 2/0	7	Both	
	QO132L125G	QOC32UF/S	B	65,000 A ^{2 3}	#6 2/0	8	Both	

Convertible Mains – Factory-Installed Main Lugs

QOM2 Main Frame Size – Convertible to Main Circuit Breaker – Copper Bus

150	QO12030L125G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	Yes
	QO124L150G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	
	QO130L150G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	
200	QO112L200G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	Yes
	QO12436L200TFT	QOC40UF/S	B, C	65,000 A ^{2 3}	#6 25 0	10	Both	
	QO130L200G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	
	QO13040L200G	QOC30UF/S	B, C	65,000 A ^{2 3}	#6 25 0	9	Both	
	QO140L200G	QOC40UF/S	B, C	65,000 A ^{2 3}	#6 25 0	10	Both	
225	QO142L225G	QOC42UF/S	B	65,000 A ^{2 3}	#6 30 0	11	Both	Yes

Fixed Mains – Factory-Installed Main Lugs

400	QON12LS400 (Interior)	MHC50VF/S	C	65,000 A ⁴	(1)1/0 750	15	Both	Yes
	MH50 (Enclosure)				(2)1/0 300			
	QON30LS400 (Interior)	MHC50QVF/S	No	65,000 A ⁴	(1)1/0 750	15	Both	Yes
	MH50 (Enclosure)				(2)1/0 300			
	QON42LS400 (Interior)	MHC53QVF/S	No	65,000 A ⁴	(1)1/0 750	17	Both	Yes
	MH53 (Enclosure)				(2)1/0 300			

¹ Short circuit current rating depends on lowest AIR rating of main or branch circuit breaker installed.

² UL Listed for 5000 A rms symmetrical short circuit rating when used in 3-phase, 240 Vac, corner grounded Delta systems, when used as main lugs load center **only**. Use 240 Vac circuit breakers only.

³ 22,000 A rms symmetrical maximum when supplied by integral type QOM-VH main circuit breaker from Square D® with 22,000 A rms symmetrical minimum interrupting rating and when all installed QO® branch circuit breakers have 10,000 A rms symmetrical minimum interrupting rating.

⁴ UL Listed for 5000 A rms symmetrical short circuit rating when used on 3-phase, 240 Vac, corner grounded Delta systems. Use 240 Vac circuit breakers only.

B UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with field-installed service disconnect.

C UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) when not more than six service disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard.

QO® and Homeline® Load Centers and Enclosures

Technical Information

Single-Phase, Three-Wire, 120/240 Vac; Main Circuit Breaker Ind oor

Mains Rating in Amps	Load Center Catalog Number	Load Center Cover Catalog Number	UL Listed Service Equipment (See Notes)	Maximum UL Short Circuit Rating ¹	Main Wire Size AWG/kcmil Al/Cu	Enclosure No. (Page 26)	Top or Bottom Mains Position	UL Listed for Corner Grounded Delta Systems
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Convertible Mains – Factory-Installed Main Circuit Breaker

QOM1 Main Frame Size – Convertible to Main Lugs or Lower Amperage Main Circuit Breaker – Copper Bus

100	QO112M100	QOC12UF/S	A, B	22,000 A ²	#4 1	5	Both	No
	QO116M100	QOC20U100F/S	A, B	22,000 A ²	#4 1	6	Both	
	QO120M100	QOC20U100F/S	A, B	22,000 A ²	#4 1	6	Both	
	QO124M100	QOC24UF/S	A, B	22,000 A ²	#4 1	7	Both	
	QO132M100	QOC32UF	A, B	22,000 A ²	#4 1	8	Both	
125	QO124M125	QOC24UF/S	A, B	22,000 A ²	#4 2/0	7	Both	No
	QO132M125	QOC32UF	A, B	22,000 A ²	#4 2/0	8	Both	

Convertible Mains – Factory-Installed Main Circuit Breaker

QOM2 Main Frame Size – Convertible to Main Lugs or Lower Amperage Main Circuit Breaker – Copper Bus

150	QO12030M150	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	No
	QO124M150	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	
	QO130M150	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	
	QO132M150	QOC40UF/S	A, B	22,000 A ²	#4 250	10	Both	
200	QO12040M200	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	No
	QO124M200	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	
	QO130M200	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	
	QO13040M200	QOC30UF/S	A, B	22,000 A ²	#4 250	9	Both	
	QO140M200	QOC40UF/S	A, B	22,000 A ²	#4 250	10	Both	
	QO142M200	QOC42UF/S	A, B	22,000 A ²	#4 250	11	Both	
225	QO140M225	QOC42UF/S	A, B	22,000 A ²	#4 300	11	Both	No
	QO142M225	QOC42UF/S	A, B	22,000 A ²	#4 300	11	Both	

Fixed Mains – Factory-Installed Main Circuit Breaker

300	QON42MS300	MHC68VF/S	A	42,000 A ³	(1)#4 500	16	Both	Yes
	MH68 (Enclosure)				(2)#4 3 /0			
400	QON42MS400	MHC68VF/S	A	42,000 A ³	(1)#4 600	16	Both	Yes
	MH68 (Enclosure)				(2)#4 250			

¹ Short circuit current rating depends on lowest AIR rating of main or branch circuit breaker installed.

² 22,000 A rms symmetrical maximum when supplied by integral type QOM-VH main circuit breaker from Square D® with 22,000 A rms symmetrical minimum interrupting rating and when all installed QO® branch circuit breakers have 10,000 A rms symmetrical minimum interrupting rating. 65,000 A rms symmetrical maximum when main lugs kits are installed.

³ UL Listed for 5000 A rms symmetrical short circuit current rating when used in 3-phase, 240 Vac, corner grounded Delta systems. Use 240 Vac circuit breakers only.

A UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with factory-installed service disconnect.

B UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with field installed main lugs when not more than six disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard. See NEC Article for Lighting and Appliance Branch Circuit Panelboard.

QO® Circuit Breaker Load Centers—Class 1130

Technical Information

3-Phase, 4-Wire, 208Y/120 Vac; 3-Phase, 4-Wire, 240/120 Vac, Delta;
3-Phase, 3-Wire, 240 Vac, Delta; Main Lugs, Main Circuit Breaker In door

Mains Rating in Amps	Load Center Catalog Number	Load Center Cover Catalog Number	UL Listed Service Equipment (See Notes)	Maximum UL Short Circuit Rating ¹	Main Wire Size AWG/kcmil Al/Cu	Enclosure No. (Page 26)	Top or Bottom Mains Position	UL Listed for Corner Grounded Delta Systems
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Fixed Mains – Factory-Installed Main Lugs – Copper Bus

60	QO403L60NF/S	Included	B	22,000 A ¹		#10-6	13	Top	No
125	QO312L125G ²	QOC16UF/S	B, C	65,000 A ¹	#6 2 / 0	#6 2 / 0	6	Both	No
	QO320L125G ²	QOC24UF/S	B, C	65,000 A ¹	#6 2 / 0	#6 2 / 0	7	Both	
	QO324L125G ²	QOC24UF/S	B, C	65,000 A ¹	#6 2 / 0	#6 2 / 0	7	Both	
200	QO318L200G ²	QOC30UF/S	B, C	65,000 A ¹	#6 250	#6 2 50	9	Both	No
	QO330L200G ²	QOC30UF/S	B, C	65,000 A ¹	#6 250	#6 2 50	9	Both	
225	QO342L225G ²	QOC42UF/S	B	65,000 A ¹	#6 300	#6 3 00	11	Both	No

Convertible Mains – Factory-Installed QDL Main Circuit Breaker – Copper Bus

100	QO327M100 ³	QOC30UF/S	A, D	22,000 A	#4 2 / 0	#4 2 / 0	9	Both	No
125	QO330MQ125 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	No
150	QO330MQ150 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	No
	QO342MQ150 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	
200	QO330MQ200 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	No
	QO342MQ200 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	
225	QO342MQ225 ^{2 4}	QOC342MQF/S	A, D	100,000 A ^{5 6}	#4 300	#4 3 00	12	H	No

¹ Short circuit current rating depends on lowest AIR rating of branch circuit breaker installed.

² Certified to IEC 60439-1 for use on 415Y/240 Vac 3-phase 4-wire, 3,000 SCCR when QODX ... branch circuit breakers are used and 10,000 SCCR when QO...VS branch circuit breakers are used. CE marked.

³ Includes factory-installed back-fed QO3100VH main circuit breaker.

⁴ Mains positioning from top to bottom feed: first rotate the main circuit breaker 180 degrees, then rotate the complete load center 180 degrees.

⁵ 100,000 A rms at 208 Vac symmetrical maximum when type QJL main circuit breaker from Square D® with 100,000 A rms minimum interrupting rating is installed and when all installed QO® and Q1 branch circuit breakers have 10,000 A rms symmetrical minimum interrupting rating.

⁶ 25,000 A rms symmetrical maximum when supplied by integral type QDL main circuit breaker from Square D® with 25,000 A rms minimum interrupting rating and when all installed QO® and Q1 branch circuit breakers have 10,000 A rms symmetrical minimum interrupting rating.

A UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with factory-installed service disconnect.

B UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with field-installed service disconnect.

C UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) when not more than six service disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard. See NEC Section 384-14.

D UL Listed as suitable for use as service equipment (neutral bonded at the time of installation) with field-installed main lugs, when not more than six service disconnecting means are provided and when not used as a lighting and appliance branch circuit panelboard. See NEC Article for Lighting and Appliance Branch Circuit Panelboard.