

QO® Circuit Breaker Load Centers—Class 1130

General Information and Application Data



SDAG26
With Tap Kits Installed



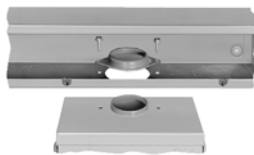
Tap Kit with Mechanical Lugs



Tap Kit for Crimp Lugs



RB Hub



BC200 Enclosure Coupling

Accessories (Continued)

Auxiliary Gutters and Tap Kits

Field-installable on the left or right side of load centers

Auxiliary gutters are 13.50 in. wide x 26.12 in. height x 3.75 in. deep

Conduit riser sizes: 1-3/4, 2, 2-1/2 or 3 in. (3 in. requires use of B300 bolt-on hubs)

Flush cover included with auxiliary gutter

Tap kits required for each riser wire to be tapped (see below for tap kits)

Wire range on tap kits is #4 AWG to 300 kcmil copper or aluminum

Tap kits include mechanical-type lugs or studs for crimp-type lugs

Crimp-type lugs not included in tap kits (order separately)

Auxiliary Gutter (SDAG26) to Load Center Catalog Number Reference

QO® Single-Phase	QO112L125G	QO112M100
	QO11224L125G	QO116M100
	QO112L125GC	QO120M100
	QO11224L125GC	QO124M100
	QO116L125G	QO124M125
	QO11624L125G	QO112M100C
	QO120L125G	QO11220M100C
	QO12024L125G	QO116M100C
	QO124L125G	QO120M100C
	QO120L125GC	
QO® Three-Phase	QO312L125G	
	QO320L125G	
	QO324L125G	

Tap Kits

UL Listed for Use with Auxiliary Gutter SDAG26

Riser Wire			Tap Off Wire	
Catalog Number	Lug Type	Wire Size	Lug Type	Wire Size
SDGT30020	Mechanical	(2) #6 AWG 3 00 kcmil	Mechanical	(1) #6 AWG 2 /0 AWG
SDGT300300	Mechanical	(2) #6 AWG 3 00 kcmil	Mechanical	(1) #6 AWG 30 0 kcmil
SDGT300C10C	Crimp	(2) #4 AWG 3 00 kcmil	Crimp	(1) #8 AWG 1 /0 AWG
SDGT300C300C	Crimp	(2) #4 AWG 3 00 kcmil	Crimp	(1) #4 AWG 30 0 kcmil
QOGL20 (grounding lugs)	Mechanical	(2) #6 AWG 2/0 AWG		

Auxiliary Gutter

UL Listed for Use with Standard Load Centers for Riser Applications

	SDAG26	Flush	No	N/A	See Tap Kit			No
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Bolt-On Hubs

Equipment with an RB suffix, meaning Rainproof Type 3R construction, uses the bolt-on hubs listed below. RB devices will accept 0.75 in. (19 mm) through 2.50 in. (64 mm) bolt-on hubs without the use of reducers. Off-center conduit thread openings and elongated mounting holes provide quick and easy adjustment to eliminate costly conduit offsets and bends. Hubs are suitable for use with conduit having ANSI standard taper pipe thread.

UL Listed Bolt-On Hubs for RB Devices

Conduit Size	0.75 in. 19 mm	1.00 in. 25 mm	1.25 in. 32 mm	1.50 in. 38 mm	2.00 in. 51 mm	2.50 in. 64 mm
Hub Cat. No.	B075	B100	B125	B150	B200	B250

NOTE: Closing cap (catalog number B-CAP) is provided factory-installed on each device having the RB suffix.

UL Listed Enclosure Coupling for RB Devices

Cat. No.	Designed for connecting wireway or other enclosures to units having RB bolt-on conduit provisions. Provides a bushed opening equal to 2 inch conduit. Eliminates the need for conduit nipping.
BC200	

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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.

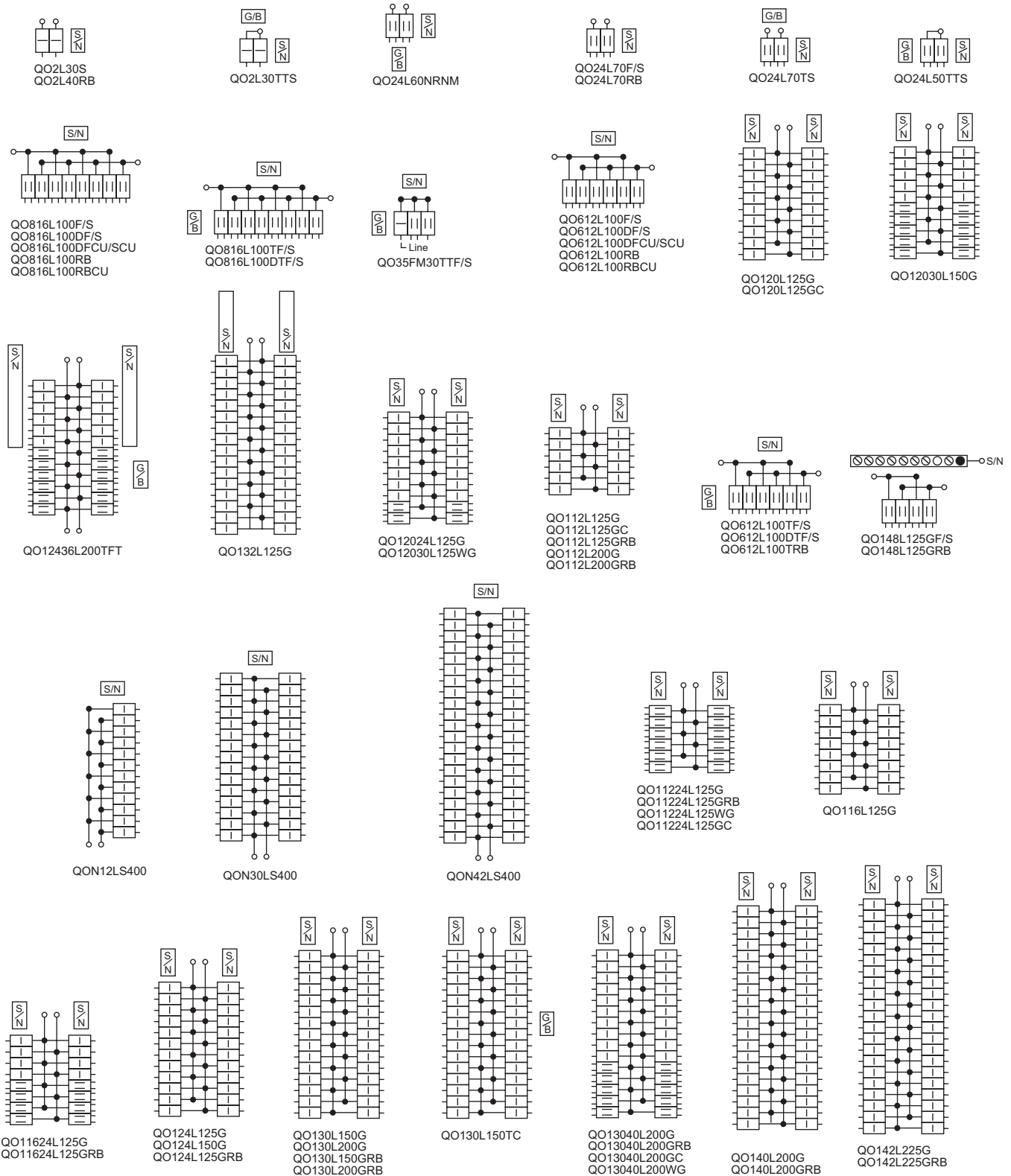
⁴ UL Listed for 5000 A rms symmetrical short circuit rating when used on 3-phase, 240 Vac, corner grounded Delta systems. Use 240 Vac circuit breakers only.

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® Circuit Breaker Load Centers—Class 1130 **Wiring Diagrams**

WIRING DIAGRAMS



1-Phase, 3-Wire Main Lugs