

Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres

Selection and Ordering Data

Selection
INSTA WIRE™

1
LOADCENTRES

	Factory Modifications [®]											
	Type	Description	Catalogue Number				Example		Delivery			
	EQL	White door and trim Beige door and trim	add suffix... W add suffix... B				EQL24125DW EQL24125DB		2 weeks			
	SEQ	Grey door installed White door and trim Beige door and trim	add suffix... D add suffix... DW add suffix... DB				SEQ24125SMD SEQ24125SMDW SEQ24125SMDDB					
	Door Kit	White Door kit Beige Door kit	add suffix... W add suffix... B				DK24SM-1W DK24SM-1B					
Note: All door kits are available in Grey, White and Beige colours.												
EQL	Copper Bus	add suffix... C				EQL24125DC		4 weeks				

	Weatherproof Loadcentre Main Lug Only, 1 phase 3 wire 120/240V AC max.											
	Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Factory Mod.	Hubs (sold separately)	
					H	W	D				Conduit size (")	Catalogue Number
	8/16	EQL8100DCR*	42	100	17 ⁷ / ₈ (455)	13 ³ / ₄ (349)	5 (127)	14-2/0	surface only	N/A	3/4 1 1 1/4 1 1/2 2 2 1/2	ECHS075 ECHS100 ECHS125 ECHS150 ECHS200 ECHS250
	12/24	EQL12125DCR	35	125	19 ⁷ / ₈ (505)	13 ³ / ₄ (349)	5 (127)	6-2/0	surface only	N/A		
	16/32	EQL16125DCR	35	125	21 ⁷ / ₈ (556)	13 ³ / ₄ (349)	5 (127)	6-2/0	surface only	N/A		
	24/48	EQL24125DCR	28	125	24 ⁷ / ₈ (632)	13 ³ / ₄ (349)	5 (127)	6-2/0	surface only	N/A		
	32/64	EQL32200DCR	21	200	27 ⁵ / ₈ (701)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	40/80	EQL40200DCR	21	200	33 ⁵ / ₈ (853)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	* Neutral bar only on one side of panel.											

	SEQ Type 3R Weatherproof Loadcentre with Factory installed main breaker 1 phase 3 wire 240V AC max.											
	Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Factory Mod.	Hubs (sold separately)	
					H	W	D				Conduit size (")	Catalogue Number
	16/32	SEQ16100SMCR	35	100	21 ⁵ / ₈ (549)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A	3/4 1 1 1/4 1 1/2 2 2 1/2	ECHS075 ECHS100 ECHS125 ECHS150 ECHS200 ECHS250
	24/48	SEQ24100SMCR	28	100	24 ⁵ / ₈ (625)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A		
	24/48	SEQ24125SMCR	28	125	24 ⁵ / ₈ (625)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A		
	24/48	SEQ24200CR	21	200	27 ¹ / ₂ (699)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	32/64	SEQ32100SMCR	21	100	28 ⁵ / ₈ (726)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A		
	32/64	SEQ32125SMCR	21	125	28 ⁵ / ₈ (726)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A		
	32/64	SEQ32150CR	21	150	33 ¹ / ₂ (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	32/64	SEQ32200CR	21	200	33 ¹ / ₂ (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	40/80	SEQ40150CR	21	150	36 ¹ / ₂ (927)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	40/80	SEQ40200CR	21	200	36 ¹ / ₂ (927)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
	Note: Both SEQ and EQL weatherproof panels are stocked complete with gasketed hinged door for improved weatherproof protection. All SEQ and EQL Type 3R panels come standard with copper bus.											

General and Heavy Duty

Hub and Lug Data

Selection

Interchangeable Hubs

Conduit hubs are available for Type 3R, 12 and 4 / 4X applications. 30-200A Type 3R Switches are provided with a conduit hub provision and a removable hub plate on their top rainshed.

Conduit Size (inches)	Catalogue Number	Used On
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Type 3R^①

Cover 3/4	ECHA000	30A GD Only
1	ECHA075	
1 1/4	ECHA100	
1 1/2	ECHA125	
Cover 3/4	ECHS000	60-200A GD 30-200A HD
1	ECHS075	
1 1/4	ECHS100	
1 1/2	ECHS125	
2	ECHS150	
2 1/2	ECHS200	
2 1/2	ECHS250	400-1200A
3	ECHV250	
3 1/2	ECHV300	
4	ECHV350	
4	ECHV400	

Type 4/4X^②

3/4	SSH075	30-200A
1	SSH100	
1 1/4	SSH125	
1 1/2	SSH150	
2	SSH200	
2 1/2	SSH250	400-600A
3	SSH300	
3 1/2	SSH350	
4	SSH400	

Note: 30 thru 200A. Type 3R Switches have removable hub plates on rainshed. 400A and larger Type 3R Switches have no provisions for mounting hubs. Drill or punch hole in the field to accommodate hub size desired.

Field Replacement Kits and Neutral Barrier Kits

All Heavy Duty Switches are field convertible for (Crimp) type lugs. When compression lugs are required for 30-100A switches, a neutral barrier kit is required for 1-Phase, 3W or 3-Phase, 4W applications. When compression lugs are required on 400-1200A switches, lug mounting kits are required.

Field Replacement Kits and Neutral Barrier Kits

Switch Ampere Rating	Catalogue Number	Kit Description
30	HCL612	Neutral Barrier Kit
60 & 100	HCL623	Neutral Barrier Kit
400	HCM65A	240V/600V Fusible Kit
400	HNCM65A	240/600V Non-Fusible Kit
600	HCM66A	240V/600V Fusible Kit
600	HNCM66A	240V/600V Non-Fusible Kit
800 & 1200 ^③	HCL65678■	1 Pole, Compression Lug Mounting Kit

Lugs

30 & 60A Switches are suitable for use with 60° or 75°C wire. 100-1200A are suitable for use with 75°C rated wire.

Multiple Padlock Accessory

A tamper-proof device to provide for multiple padlocking to meet OSHA or plant requirements. Accepts up to 6 1/4" padlocks. Catalog number **SL0420**. Standard Carton-12.

Wire Ranges (Line, Load and Standard Neutral)

Switch Ampere Rating	Wire Range with Wire Bending Space Per NEC Requirements	Lug Wire Range
30GD	#14-8 AWG (Cu/Al) ^④	#14-6 AWG (Cu/Al)
30HD	#14-6 AWG (Cu/Al)	#14-2 AWG (Cu/Al)
60 ^{⑤⑥}	#14-3 AWG (Cu/Al)	#14-2 AWG (Cu/Al)
100 ^⑦	#14-1/0 AWG (Cu/Al)	#14-1/0 AWG (Cu/Al)
200 ^⑧	#6 AWG-250 Kcmil (Cu/Al)	#6 AWG-300 Kcmil (Cu/Al)
400 ^⑨	(1) 1/0 AWG-600 Kcmil (Cu/Al) (2) 1/0 AWG-500 Kcmil (Cu/Al)	(2) 1/0 AWG-600 Kcmil (Cu/Al)
600 ^⑩	(1) 1/0 AWG-600 Kcmil (Cu/Al) (2) 1/0 AWG-500 Kcmil (Cu/Al)	(2) 1/0 AWG-600 Kcmil (Cu/Al)
800	(3) 1/0 AWG-750 Kcmil (Cu/Al) Line Load (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral	(3) 1/0 AWG-750 Kcmil (Cu/Al) Line Load (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral
1200	(4) 3/0 AWG-750 Kcmil (Cu/Al) Line Load (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral	(4) 1/0 AWG-750 Kcmil (Cu/Al) Line Load (4) 1/0 AWG-750 Kcmil (Cu/Al) neutral

■ Built to order. Allow 3-4 weeks for delivery.

- ① Hubs suitable for 3R Switches.
- ② Also suitable for Type 12 applications.
- ③ Neutral Barrier kits are required on 30-100A switches only and only with 1-Phase / 3W or 3-Phase / 4W loads. Compression Lugs mounting kits are required on 400-1200A switches only.
- ④ Provides mounting for a single line or load lug.
- ⑤ Provides mounting for (2) compression lugs per phase on line or load.
- ⑥ Line base lugs (only) are CSA certified to accept #14-6 CU/Al cable.
- ⑦ Max. wire size for height reduced switches is 500 kcmil (Cu/Al).
- ⑧ All but 60A GD & Compact HD NF switches are also CSA certified for #2 Cu/Al conductors.
- ⑨ All 200A Heavy Duty Switches have a wire range & wire bending space for (1) #6-300 Kcmil (Cu/Al).
- ⑩ Also for 30A oversized heavy duty switches.
- ⑪ Also for 60A oversized heavy duty switches.



SSH125



ECHV300



ECHS200



SL0420

Safety Switches

Double Throw

Selection

Accessories, Lug Data and Horsepower Ratings

Accessories – 2 and 3-Pole Switches Type “DT” Only^①

Description		Catalogue Number
Neutral Kits	30 60 & 100A 200A 400 & 600A	HNC612 HNC263 HNC264 HNC678
Equipment Ground Kit	30-200A (2) #14-4 AWG 400 & 600A (4) #14-2/0	HG61234 HG656
Auxiliary Contacts (HD Only) (two required per switch) ^②	30-200A with (1) NO & (1) NC contact 30-200A with (2) NO & (2) NC contact 400-600A with (1) NO & (1) NC contact 400-600A with (2) NO & (2) NC contact	HA161234 HA261234 HA165678 HA265678
Class R Fuse Clip Kits (two required per switch)	30A, 240V Kit 30A, 600V Kit and 60A, 240V Kit 60A, 600V Kit 100A Kit 200A Kit	HR21 HR612 HR62 HR63 HR64
Class T Fuse Adapter Kits (two required per pole)	100A, 240V Kit 100A, 600V Kit 200A, 240V Kit 200A, 600V Kit	HT23 HT63 HT24 HT64
Type 3R Hubs (20-200A)	For 3/4" Conduit For 1" Conduit For 1 1/4" Conduit For 1 1/2" Conduit For 2" Conduit For 2 1/2" Conduit	ECHS075 ECHS100 ECHS125 ECHS150 ECHS200 ECHS250

Wire Ranges (Line, Load and Neutral) per CEC Requirements

30-200A – 2 & 3-Pole Switches

Switch Ampere Rating	Wire Range (Cu/Al) DT VBII Design Line, Load and Neutral
30	(1) #14-6
60	(1) #14-2
100	(1) #14-1/0 AWG
200	(1) #6-250 kcmil

400-600A – 2 & 3-Pole Switches

Switch Ampere Rating	Wire Range (Cu/Al) DT VBII Design Line, Load and Neutral
400	(1) 1/0 AWG-750 kcmil or (2) 1/0 AWG-250 kcmil
600	(2) 1/0 AWG-500 kcmil

Maximum Horsepower Ratings Fused

Ampere Rating	1-Phase AC		3-Phase AC		250V DC
	240V	240V	480V	600V	
30	3	7 ^{1/2}	15	20	5
60	10	15	30	50	10
100	15	30	60	75	20
200	15	60	125	150	40

Non-Fused

30	5	10	20	30	5
60	10	20	50	60	10
100	15	40	75	100	20
200	15	60	125	150	40
400-600	—	125	250	350	50

Replacement Parts – 2 and 3-Pole Switches Only^①

Description		Catalogue Number
Type 1, 3R Replacement Handle	30-200A	HHD61234
Replacement Handle	400-600A	HHD656

^① For “DT” VBII Type switches only.

^② One aux. required for normal and one required for emergency switch line base.