

# Loadcentres

## Product Offering and Specification Guide

## Description

### Application

#### Main lug loadcentre,

- 1 Phase 3 W 120/240V, 60 to 200A, 2/4 - 40/80 circuits
- 3 Phase 4W 120/208V, 100 to 225A, 12 - 42 circuits
- Outdoor Type 3R, 1 Phase 3 W, 120/240V, 100 to 200A, 8/16 - 40/80 circuits

#### Main Breaker loadcentre,

- 1 Phase 3 W 120/240V, 60 to 200A, 12/24 - 60/120 circuits
- 3 Phase 4W 120/208V, 100 to 200A, 24 - 42 circuits
- Out door Type 3R, 1 Phase 3 W 120/240V, 100 to 200A, 16/32 - 40/80 circuits
- Dual certified loadcentre 1 Phase 3 W 120/240V, 100 to 200A, 38 circuits

#### Generator panel

- Generator Panel 3 Pole 1 Phase 3 W 120/240V, 30 to 100A, 6/12- 34/68 circuits
- Generator Panel 2 Pole 1 Phase 3 W 120/240V, 30 to 100A, 8/16 - 36/72 circuits

#### SPA panel

- Type 3R, 1Phase 3 W 120/240V, 125A, 4/8 circuits

#### Mini panel/ Enclosed breaker,

- Indoor, 1Phase 3 W 120/240V, 60 & 125A, 2 circuits
- Outdoor Type 3R, 1 Phase 3 W 120/240V, 60 & 125A, 3 & 2/4 - 4/8 circuits

#### Circuit breaker

##### Plug-in

Interrupting rating of 10kA

- Full module
  - 1 Pole 15-70 Amp
  - 2 Pole 15-200 Amp
  - 3 Pole 15-100 Amp
- Half module
  - Twain: two single-pole, 15-15 to 40-15 Amp
  - Quad: two single-pole and one 2-pole inner breaker, 15-15 to 15-40 Amp

##### Bolt-on

Interrupting rating of 10kA & 22kA

- Full module
  - 1 Pole 15-70 Amp
  - 2 Pole 15-125 Amp
  - 3 Pole 15-100 Amp

##### Ground fault circuit intrrupter

- 1 and 2 Pole, 15- 60A, 5 and 30mA sensitivity

##### Arc fault circuit intrrupter

Interrupting rating of 10kA & 22kA

- 1 Pole, 15 and 20 Amp

##### Surge arrester breakers

- Two single pole breakers and one surge arrester, 15 and 20 Amp

##### Surge protection device (SPD)

- Power service entrance surge protection
- Telephone service entrance surge protection
- Coaxial service entrance surge protection

### Specification Guide - Loadcentres

Loadcentre enclosures and trims are formed of cold rolled, code gauge steel. All devices are finished with ANSI 61 grey paint (electro deposition painting process).

The combination flush/surface trim is flat and plumb in appearance. The Siemens Type 3R Loadcentre features industry exclusive gasketed door for improved weatherproof protection. The enclosures and interiors provide 4<sup>1/4</sup>" (108 mm) side wiring gutters for branch circuits. Main bus bars are formed of cold rolled, one piece tin plated (acid bath tin, zincate process) aluminum. Copper bus is also available. Main lugs, neutral assemblies, and ground bars are suitable for copper or aluminum conductors and comply with the requirements of CSA. The extended capacity fully distributed neutrals give a neutral termination at every breaker position, and is mounted, along with bus bars, on a base part made of engineered resin. CSA listed for 60/75°C wiring applications; ratings are as follows: loadcentre main terminals 60/75°C cu/al wire; branch breaker terminals-60/75°C cu/al wire. All loadcentres are CSA listed under file #13069.

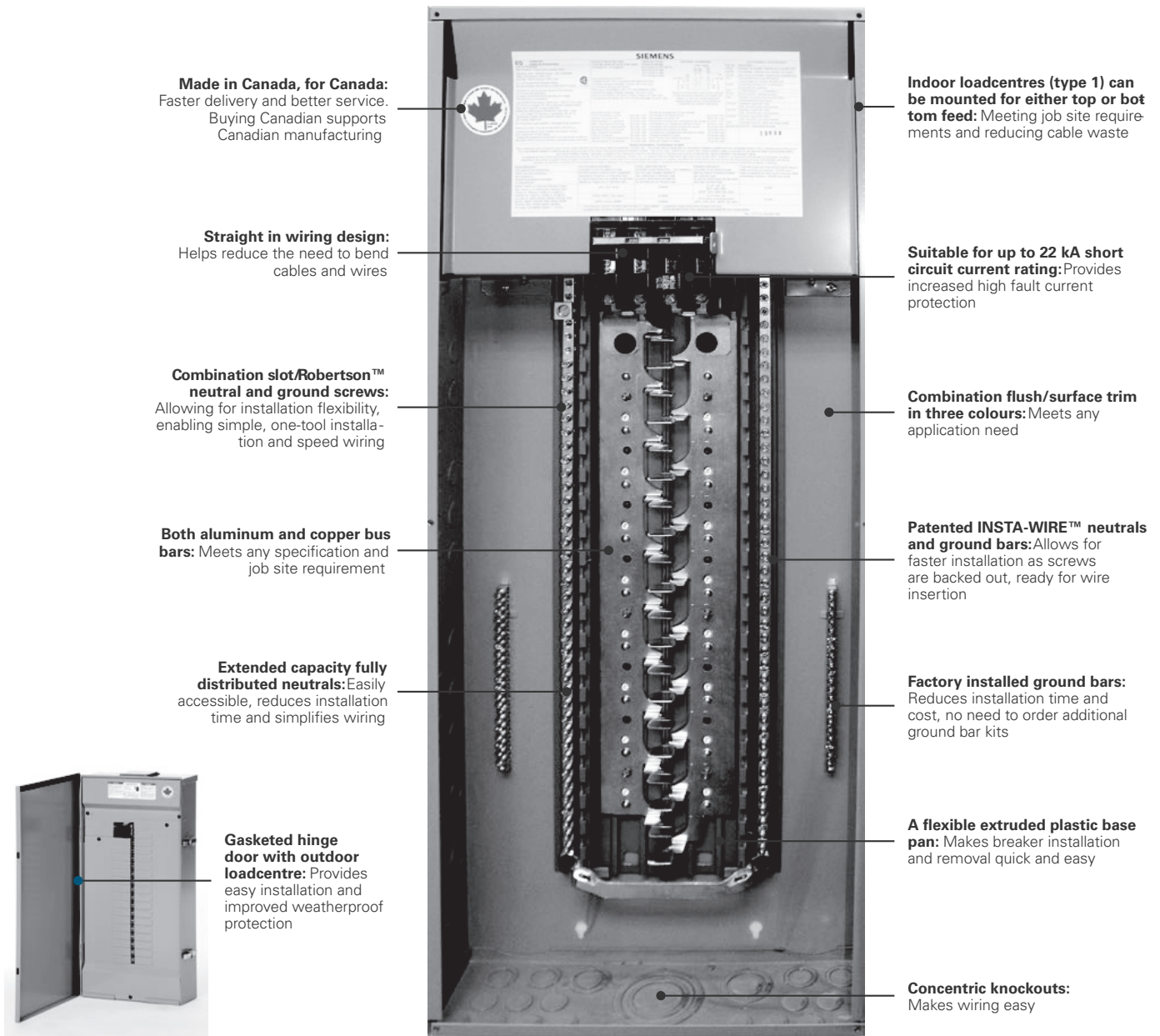
Individual circuit breakers are thermal magnetic, quick-make quick-break, trip free, plug-in construction. All two and three pole breakers are common trip. All circuit breakers are CSA listed under file #14374.

\*Series rating labels on all loadcentres.



# Loadcentres

## Product Features and Customer Benefits



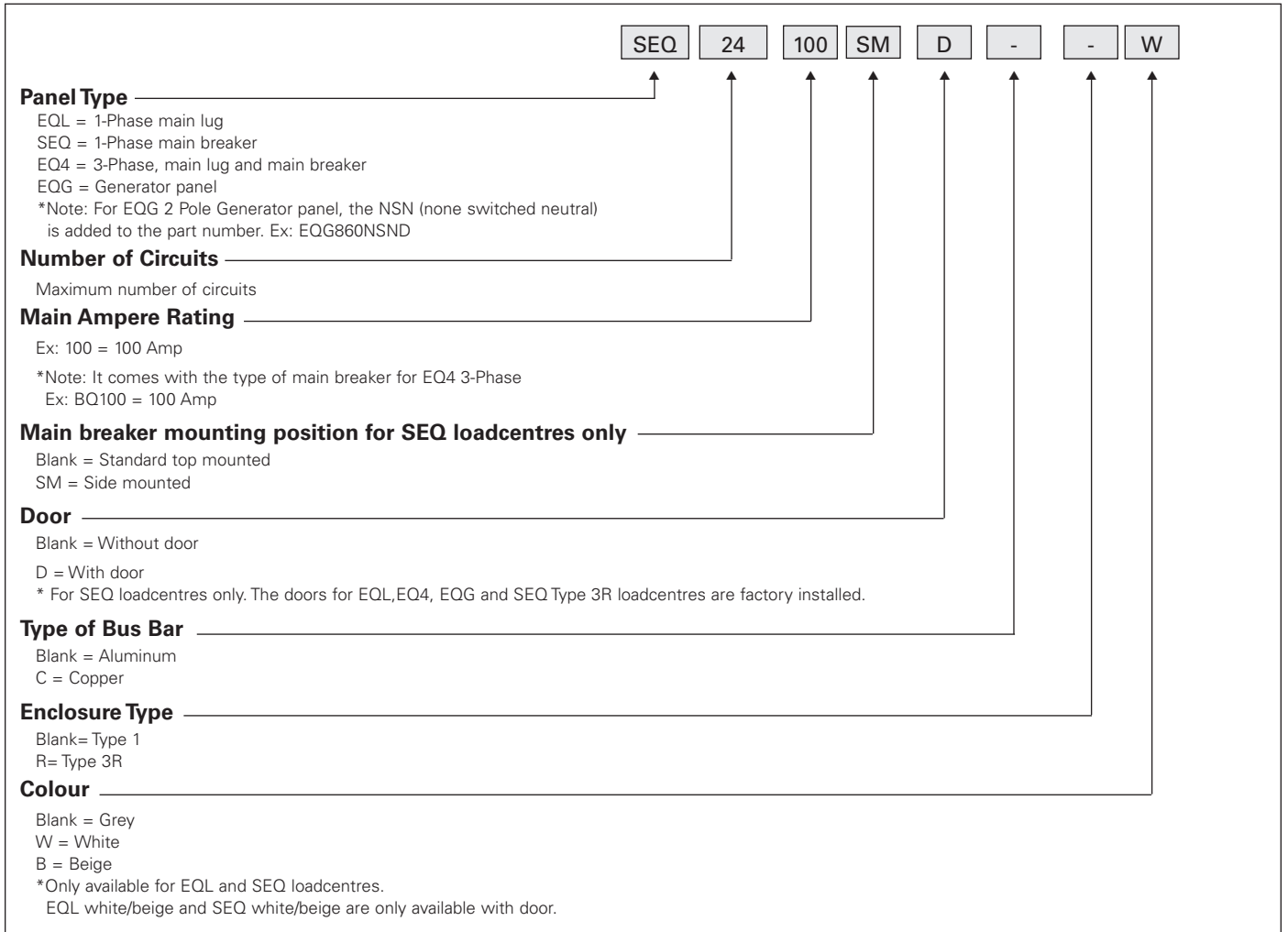
### Features and Benefits

Siemens provides the broadest product portfolio related to single and multifamily applications. Flexibility, innovation and quality are the hallmarks of Siemens products for single and multi-family applications providing the customer with unmatched value. One example is our quick-make quick-break circuit breakers which give homeowners peace of mind and fast acting circuit protection. Our whole house surge protection solutions, arc fault and ground fault circuit interrupters provide additional protection against the risks of electrocution, fire hazard and property damage. With the comprehensive selection of options and accessories, Siemens loadcentres and breakers are the smart choice for the conscientious customer.

# Loadcentres

## Catalogue Numbering System

### Catalogue Numbering System<sup>①</sup>



<sup>①</sup> The Catalogue numbering system applies only to EQL, EQL Type 3R, SEQ, SEQ Type 3R, EQ4 and EQG loadcentres.

# Loadcentres

## EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres

Selection

Selection and Ordering Data



EQL24125D

LOADCENTRES 4



SEQ40200

EQL Loadcentres with main lugs only 1 phase 3 wire 240 V AC max.										
Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Door Kit Catalogue Number	Factory Mod.
				H	W	D				
2/4	EQL260S	330	60	7 (178)	5 (127)	2 <sup>3</sup> / <sub>4</sub> (70)	3	surface	N/A	N/A
4/8	EQL4100	90	100	12 <sup>5</sup> / <sub>8</sub> (322)	6 <sup>5</sup> / <sub>8</sub> (168)	3 <sup>1</sup> / <sub>2</sub> (90)	1	comb.	N/A	N/A
8/16	EQL8100D*	72	100	14 <sup>7</sup> / <sub>8</sub> (378)	12 (305)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK8-A	N/A
12/24	EQL12125D <sup>Ⓢ</sup>	45	125	16 <sup>7</sup> / <sub>8</sub> (429)	12 (305)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK12-A	①
16/32	EQL16125D <sup>Ⓢ</sup>	45	125	18 <sup>7</sup> / <sub>8</sub> (479)	12 (305)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK16-A	①
24/48	EQL24125D <sup>Ⓢ</sup>	36	125	24 <sup>1</sup> / <sub>8</sub> (613)	13 <sup>1</sup> / <sub>32</sub> (331)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK24-A	①
32/64	EQL32200D	27	200	33 (838)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKL32-2A	①
40/80	EQL40200D	27	200	33 (838)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKL40-2A	①
<b>Note:</b> EQL8100D through EQL40200D are stocked complete with doors *Neutral bar only on one side of panel.										
Service Entrance Loadcentres with Factory installed main breaker 1 phase 3 wire 240 V AC max.										
12/24	SEQ12060SM	54	60	17 <sup>5</sup> / <sub>8</sub> (448)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	6-2/0	comb.	DK1216SM-1	①
16/32	SEQ16060SM <sup>Ⓢ</sup>	36	60	19 <sup>5</sup> / <sub>8</sub> (498)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	6-2/0	comb.	DK1216SM-1	①
24/48	SEQ24060SM <sup>Ⓢ</sup>	36	60	24 <sup>1</sup> / <sub>8</sub> (613)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	6-2/0	comb.	DK24SM-1	①
12/24	SEQ12100SM	54	100	17 <sup>1</sup> / <sub>2</sub> (444)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK1216SM-1	①
16/32	SEQ16100SM	36	100	19 <sup>1</sup> / <sub>2</sub> (494)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK1216SM-1	①
24/48	SEQ24100SM <sup>Ⓢ</sup>	36	100	24 <sup>1</sup> / <sub>8</sub> (613)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK24SM-1	①
24/48	SEQ24100SMK <sup>■</sup>	36	100	24 <sup>1</sup> / <sub>8</sub> (613)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK24SM-1	①
24/48	SEQ24125SM <sup>Ⓢ</sup>	36	125	24 <sup>1</sup> / <sub>8</sub> (613)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK24SM-1	①
24/48	SEQ24150 <sup>Ⓢ</sup>	27	150	27 (686)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS24-2A	①
24/48	SEQ24200	27	200	27 (686)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS24-2A	①
32/64	SEQ32100SM	27	100	27 <sup>1</sup> / <sub>8</sub> (689)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK32SM-1	①
32/64	SEQ32125SM	27	125	27 <sup>1</sup> / <sub>8</sub> (689)	13 <sup>1</sup> / <sub>8</sub> (333)	3 <sup>3</sup> / <sub>4</sub> (95)	4-2/0	comb.	DK32SM-1	①
32/64	SEQ32150	27	150	33 (838)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS32-2A	①
32/64	SEQ32200	27	200	33 (838)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS32-2A	①
40/80	SEQ40100	27	100	36 (914)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS40-1A	①
40/80	SEQ40125	27	125	36 (914)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS40-1A	①
40/80	SEQ40150	27	150	36 (914)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS40-2A	①
40/80	SEQ40200 <sup>Ⓢ</sup>	27	200	36 (914)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS40-2A	①
60/120	SEQ60200	18	200	46 (1168)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	N/A	N/A
<sup>■</sup> Standard SEQ24100SMK with additional knockouts to bottom plate										

**Note:** Comb= Combination Flush/Surface mounted Certified for use with any combination of full or half module plug-in circuit breakers. Certified for mounting vertical, horizontal or inverted and for use with CU/AL conductors including compact stranded. All neutral bar connectors are No. 14 - No.4.

Typical circuit rating (ie. 24/48) indicates the circuit capacity of the loadcentre is 24 full module (1") breaker of 48 half-module (1/2") breakers.

Ⓢ For copper bus add suffix C to existing part number. 4 weeks delivery required.

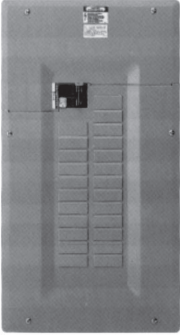
① Factory modification, see next page.

# Loadcentres

## EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres



### Selection and Ordering Data

	Factory Modifications <sup>®</sup>										
	Type	Description	Catalogue Number	Example	Delivery						
 SEQ24125SM	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							
	<b>Note:</b> All door kits are available in Grey, White and Beige colours.										
EQL	Copper Bus		add suffix...C	EQL24125DC	4 weeks						
<b>Weatherproof Loadcentre Main Lug Only, 1 phase 3 wire 120/240V AC max.</b>											
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	177/8 (455)	133/4 (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	197/8 (505)	133/4 (349)	5 (127)	6-2/0	surface only	N/A		
16/32	EQL16125DCR	35	125	217/8 (556)	133/4 (349)	5 (127)	6-2/0	surface only	N/A		
24/48	EQL24125DCR	28	125	247/8 (632)	133/4 (349)	5 (127)	6-2/0	surface only	N/A		
32/64	EQL32200DCR	21	200	275/8 (701)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
40/80	EQL40200DCR	21	200	335/8 (853)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
* Neutral bar only on one side of panel.											
<b>SEQ Type 3R Weatherproof Loadcentre with Factory installed main breaker 1 phase 3 wire 240V AC max.</b>											
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	215/8 (549)	139/16 (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	245/8 (625)	139/16 (345)	5 (127)	6-2/0	surface only	N/A		
24/48	SEQ24125SMCR	28	125	245/8 (625)	139/16 (345)	5 (127)	6-2/0	surface only	N/A		
24/48	SEQ24200CR	21	200	271/2 (699)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
32/64	SEQ32100SMCR	21	100	285/8 (726)	139/16 (345)	5 (127)	6-2/0	surface only	N/A		
32/64	SEQ32125SMCR	21	125	285/8 (726)	139/16 (345)	5 (127)	6-2/0	surface only	N/A		
32/64	SEQ32150CR	21	150	331/2 (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
32/64	SEQ32200CR	21	200	331/2 (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
40/80	SEQ40150CR	21	150	361/2 (927)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
40/80	SEQ40200CR	21	200	361/2 (927)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
<b>Note:</b> 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.											