

# 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
- Outdoor 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
  - Twin: 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 interrupter

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

Arc fault circuit interrupter

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.

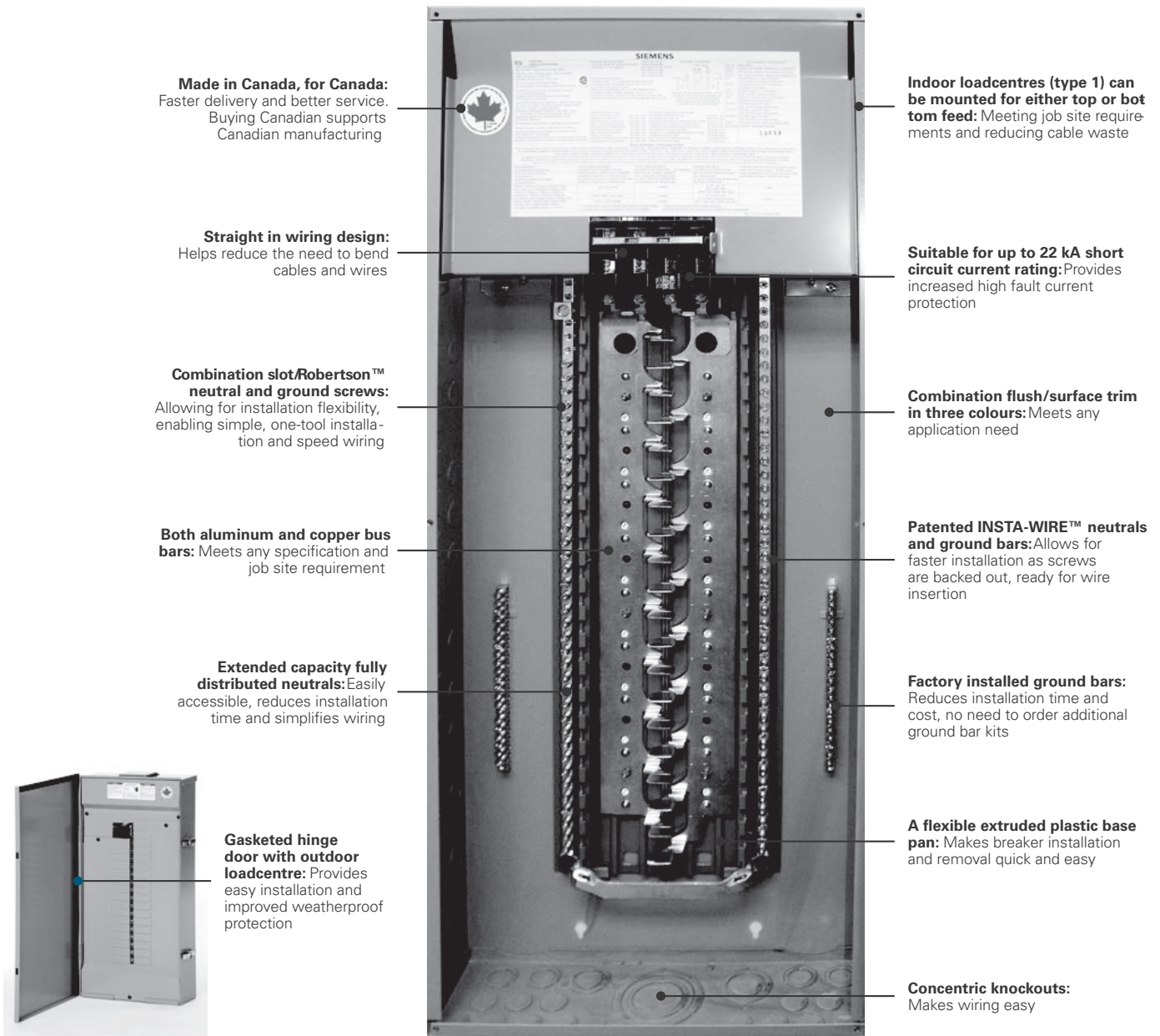


# Loadcentres

## Product Features and Customer Benefits

1

LOADCENTRES



### 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>

SEQ
24
100
SM
D
-
-
W

**Panel Type** \_\_\_\_\_

EQL = 1-Phase main lug  
 SEQ = 1-Phase main breaker  
 EQ4 = 3-Phase, main lug and main breaker  
 EQG = Generator panel  
 \*Note: For EQG 2 Pole Generator panel, the NSN (none switched neutral) is added to the part number. Ex: EQG860NSND

**Number of Circuits** \_\_\_\_\_

Maximum number of circuits

**Main Ampere Rating** \_\_\_\_\_

Ex: 100 = 100 Amp  
 \*Note: It comes with the type of main breaker for EQ4 3-Phase  
 Ex: BQ100 = 100 Amp

**Main breaker mounting position for SEQ loadcentres only** \_\_\_\_\_

Blank = Standard top mounted  
 SM = Side mounted

**Door** \_\_\_\_\_

Blank = Without door  
 D = With door  
 \* For SEQ loadcentres only. The doors for EQL, EQ4, EQG and SEQ Type 3R loadcentres are factory installed.

**Type of Bus Bar** \_\_\_\_\_

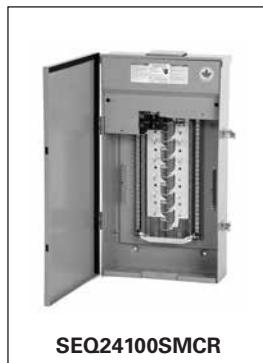
Blank = Aluminum  
 C = Copper

**Enclosure Type** \_\_\_\_\_

Blank = Type 1  
 R = Type 3R

**Colour** \_\_\_\_\_

Blank = Grey  
 W = White  
 B = Beige  
 \*Only available for EQL and SEQ loadcentres.  
 EQL white/beige and SEQ white/beige are only available with door.



① 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  
INSTA WIRE™

### Selection and Ordering Data

LOADCENTRES



EQL24125D



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>		100							
24/48	SEQ24125SM <sup>Ⓢ</sup>		125							
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
	SEQ24200	27	200	33 (838)	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
	SEQ32125SM	27	125	33 (838)	14 <sup>1</sup> / <sub>4</sub> (362)	4 (102)	6-250 MCM	comb.	DKS32-2A	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
	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
	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
	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

## Accessories and Replacement Parts


*Selection*  
**INSTA WIRE™**

LOADCENTRES


### EQL Loadcentres

	# of Circuits	Catalogue Number	Door Kit	
			Grey	White
	2/4	<b>EQL260S</b>	N/A	N/A
	4/8	<b>EQL4100</b>		
	8/16	<b>EQL8100D</b>	DK8-A	DK8-AW
	12/24	<b>EQL12125D</b>	DK12-A	DK12-AW
	16/32	<b>EQL16125D</b>	DK16-A	DK16-AW
	24/48	<b>EQL24125D</b>	DK24-A	DK24-AW
	32/64	<b>EQL32200D</b>	DKL32-2A	DKL32-2AW
	40/80	<b>EQL40200D</b>	DKL40-2A	DKL40-2AW

### EQ3 & EQ4 Loadcentres

	# of Circuits	Catalogue Number		Door Kit	
		EQ3	EQ4	Grey	White
	12	N/A	<b>EQ412100</b>	DKEQ1218	N/A
	18	N/A	<b>EQ418100</b>		
	24	<b>EQ324225</b>	<b>EQ424225</b>	DKEQ2430	N/A
	30	N/A	<b>EQ430225</b>		
	40	<b>EQ340225</b>	N/A	DKEQ42	N/A
	42	N/A	<b>EQ442225</b>		

### EQ3 & EQ4 Service Entrance Rated

	# of Circuits	Catalogue Number		Door Kit	
		EQ3	EQ4	Grey	White
	24	<b>EQ324BQ125</b>	<b>EQ424BQ100</b>	DKEQ24BQ	N/A
	32	<b>EQ332BQ125</b>	N/A	DKEQ42	N/A
	42	N/A	<b>EQ442QJ100</b> <b>EQ442QJ125</b> <b>EQ442QJ150</b> <b>EQ442QJ200</b>	DKEQ42QJ	N/A
			<b>EQ442QR100</b>		
	42	N/A	<b>EQ442QR125</b> <b>EQ442QR125C</b> <b>EQ442QR150</b> <b>EQ442QR200</b>	DKEQ42QR	N/A