Loadcentres

Product Offering and Specificaton Guide

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
  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 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).

Description

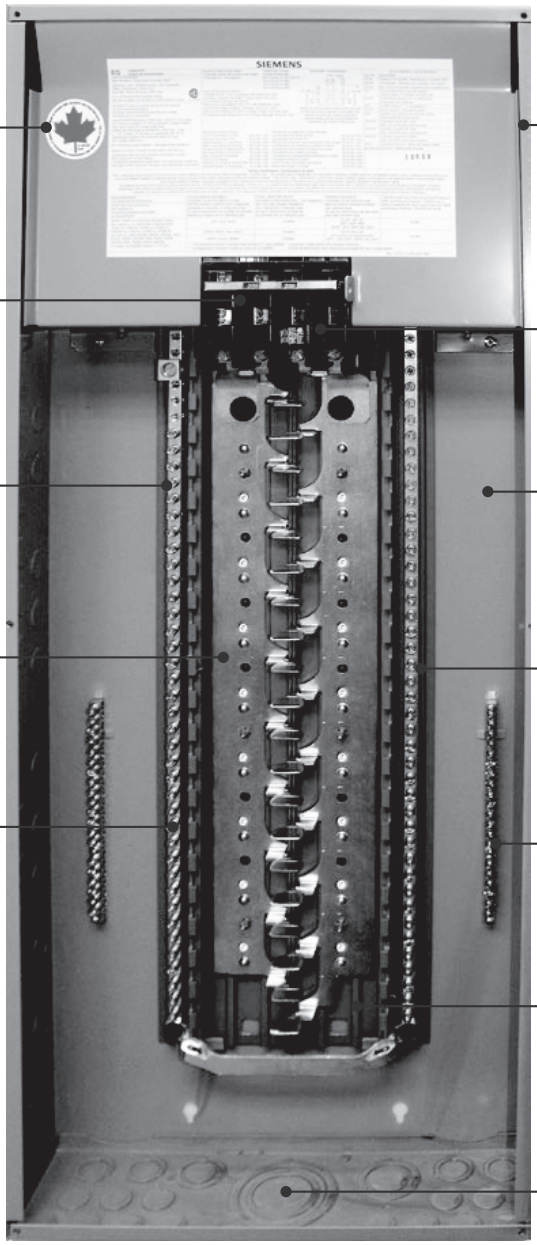
The combination flush/surface trim is flat and plumb in appearance. The Siemens Type 3R Loadcentre features industry exclusive gasketed door for improved weatherproof protection. The enclosures and interiors provide 4 1/4" (108 mm) side wiring gutters for branch circuits. Main bus bars are formed of 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 60/75ϒC wiring applications; ratings are as follows: loadcentre main terminals 60/75ϒC cu/al wire; branch breaker terminals–60/75ϒC 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



Made in Canada, for Canada: Faster delivery and better service. Buying Canadian supports Canadian manufacturing

Straight in wiring design: Helps reduce the need to bend cables and wires

Combination slot/Robertson™ neutral and ground screws: Allowing for installation flexibility, enabling simple, one-tool installation and speed wiring

Both aluminum and copper bus bars: Meets any specification and job site requirement

Extended capacity fully distributed neutrals: Easily accessible, reduces installation time and simplifies wiring

Gasketed hinge door with outdoor loadcentre: Provides easy installation and improved weatherproof protection

Indoor loadcentres (type 1) can be mounted for either top or bottom feed: Meeting job site requirements and reducing cable waste

Suitable for up to 22 kA short circuit current rating: Provides increased high fault current protection

Combination flush/surface trim in three colours: Meets any application need

Patented INSTA-WIRE™ neutrals and ground bars: Allows for faster installation as screws are backed out, ready for wire insertion

Factory installed ground bars: Reduces installation time and cost, no need to order additional ground bar kits

A flexible extruded plastic base pan: Makes breaker installation and removal quick and easy

Concentric knockouts: Makes wiring easy

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 System①

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

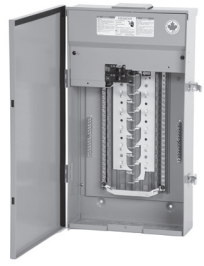
Enclosure Type
Blank= Type 1
R= Type 3R

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.


EQ442225


EQG860NSND


EQL12125D


SEQ24100SMCR


SEQ32200

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

Loadcentres

EQ Three Phase Loadcentres

Selection and Ordering Data

EQ424BQ100

EQ Three Phase Loadcentres①

With main lugs only 3 phase 4 wire 240V AC max. 10 KA

Number of Circuits	Catalogue Number	Main Amps	Dimensions - Inches (mm) H	W	D	Lug Data	Mounting Trim	Factory Mod.
12	**EQ412100**	100	28 (711)			14-2/0		
18	**EQ418100**	100	28 (711)					
24	**EQ424225**	225	34 (864)	$14\frac{3}{8}$ (365)	$4\frac{3}{8}$ (111)		comb.	①
30	**EQ430225**	225	34 (864)			6-300 MCM		
42	**EQ442225**	225	40 (1016)					
Service Entrance Loadcentres with factory installed main breaker 3 phase 4 wire 240 V AC max. 10 KA.								
24	**EQ424BQ100**	100(BQ)	34 (864)			4-2/0		
42	**EQ442QJ100**	100(QJ)	46 (1168)					
42	**EQ442QJ125**	125(QJ)	46 (1168)	$14\frac{3}{8}$ (365)	$4\frac{3}{8}$ (111)	6-300 MCM	comb.	①
42	**EQ442QJ150**	150(QJ)	46 (1168)					
42	**EQ442QJ200**	200(QJ)	46 (1168)					

Note : Certified for use with either plug-in (Type Q) or bolt-on (Type BQ) branch breakers. Number of circuits can be doubled by use of plug-in (Type QT) twin breakers. Certified for mounting vertical, horizontal or inverted and for use with CU/AL conductor including compact stranded.
All neutral bar connectors are No. 14 - No. 4.

①All Three Phase EQ loadcentres are stocked complete with doors.

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

Factory Modifications①

Type	Description	Catalogue Number	Example	Delivery
EQ4	Copper Bus	add suffix...**C**	EQ430225**C**	4 Weeks

SFK225

TFK100

Lug Kits For EQ Loadcentres

Catalogue Number	Loadcentre Amps Rating	Description
SFK100	100	Sub-feed Kit 14-2/0 (Per Phase)
SFK225	225	Sub-feed Kit 1/0-250 MCM (Per Phase)
TFK100	100	Through-feed Kit 14-2/0 (Per Phase)
TFK225	225	Through-feed Kit 6-300 MCM (Per Phase)