### **Applications and Descriptions**

No. Applications		Products
1	Miscellaneous Applications	
	Standard Main Lugs Only Panel	EQL Loadcentre-Indoor & Outdoor Type
2	Single Family	SEQ Loadcentre – Indoor & Outdoor Type
3	Duplex Units, Small Apartment Building, Small Professional and Commercial Building (Two to Six Units Maximum)	a) SEQ Service Entrance Equipment – Indoor & Outdoor Type b) EQL Main Lugs Loadcentre – Indoor & Outdoor Type
4	Office Building/Condo/Apartment Building (3Ø Application)	a) Switchboards b) Busways c) Modular Metering d) EQ4 Loadcentres Main Lug only or Main Breaker
5	Small Industrial/Commercial Building (3Ø Application)	a) Switchboards b) Busways c) 3Ø Modular Metering d) EQ4 Loadcentres Main Lug Only or Main Circuit Breaker

A loadcentre is a metal enclosed distribution panel containing circuit breakers which distribute, protect and control lighting and power circuits in residential and light commercial applications, including single-family homes, townhouses, apartment buildings, and small office buildings.

All Siemens loadcentres can be classified into two types: main lug or main circuit breaker. Each Siemens loadcentre consists of three basic components: the enclosure, the interior, and the trim. The enclosure is used to contain the circuit breakers which mount on the interior. The trim seals the enclosure, offering protection to personnel from the environment.

A complete line of breakers and accessories which give Siemens loadcentres flexibility. For example, Ground Fault Interrupters protect personnel, an important consideration with the stress placed on personnel protection by the CEC. Handle ties, handle blocking devices, padlocking devices and filler plates are also available. Neutral lug kits in a variety of wire range sizes.



Description

# Speeds Your Installation With Every Turn!

Included into all Loadcentres and Q Breakers

## **Product Offering and Specification 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
- 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 protectionTelephone service entrance
- relephone service entransurge protection
  Coaxial service entransulation
- 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 41/4" (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 60/75YC 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.



### Description

## **Product Features and Customer Benefits**

LOADGENTRES

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

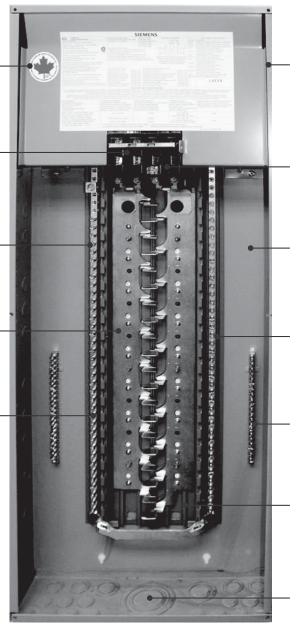
Combination slot/Robertson™ neutral and ground screws: Allowing for installation flexibility, enabling simple, one-tool installation and speed wiring

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 bot tom feed: Meeting job site require ments 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

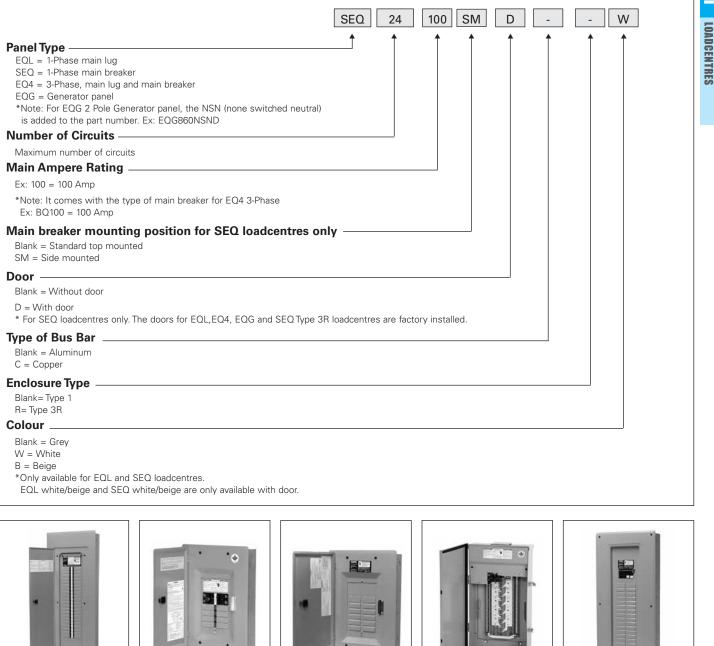
### Features and Benefits

1-4

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.

## **Catalogue Numbering System**

Catalogue Numbering System<sup>1</sup>



EQ442225

EQG860NSND

EQL12125D

SEQ24100SMCR



© The Catalogue numbering system applies only to EQL, EQLType 3R, SEQ, SEQType 3R, EQ4 and EQG loadcentres.