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Loadcentres

Applications and Descriptions

Description

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 Load Centres 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.



Included into all Loadcentres and Q Breakers

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^{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 60/75°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.

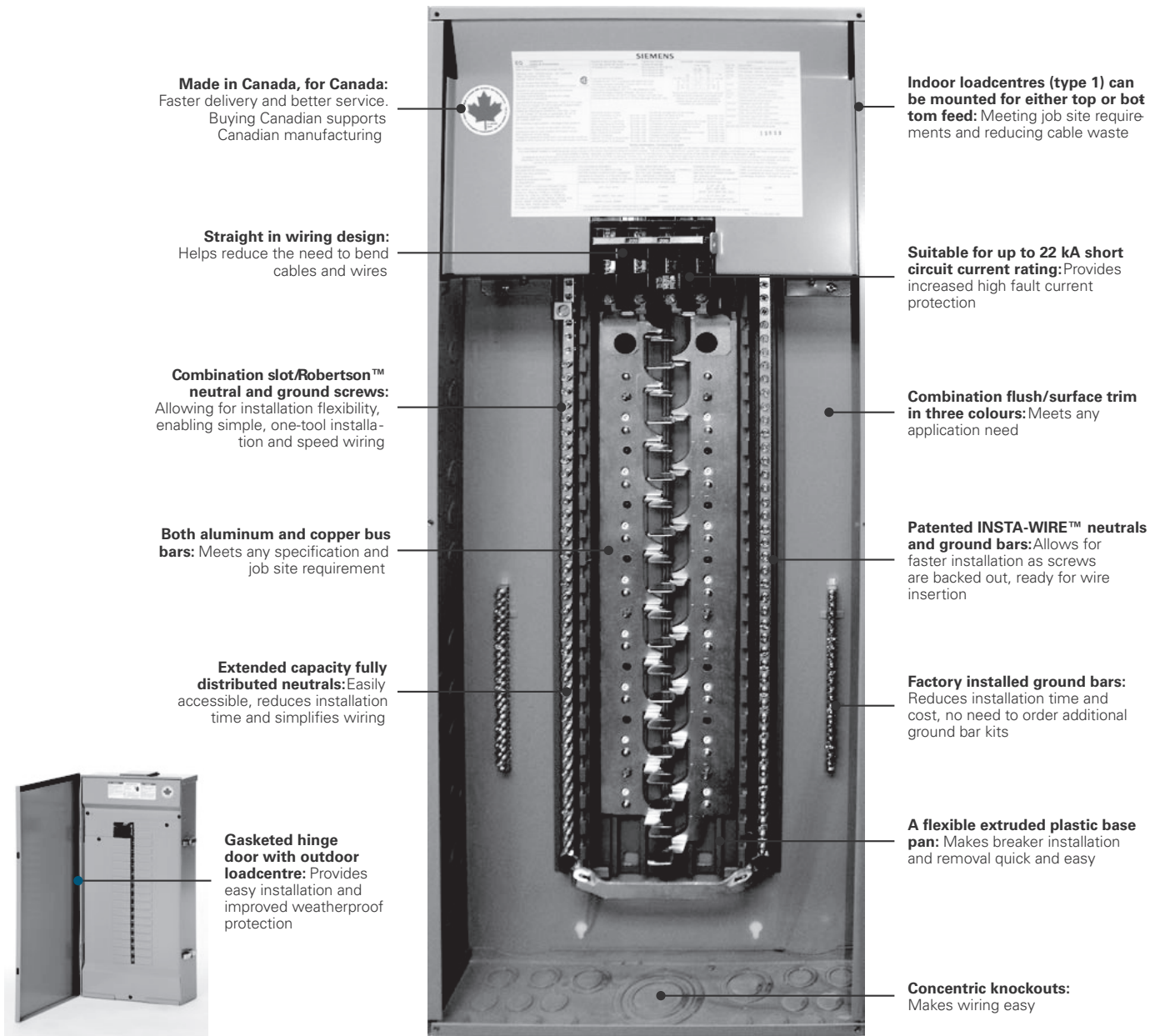
Individual circuit breakers are thermal magnetic, quick-make quick-break, trip free, plug-in construction. All two and three pole breakers are common trip. All circuit breakers are CSA listed under file #14374.

*Series rating labels on all loadcentres.



Loadcentres

Product Features and Customer Benefits



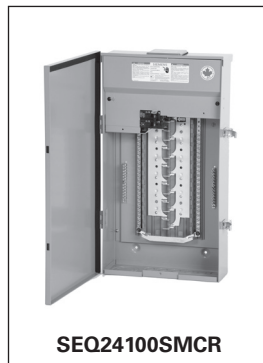
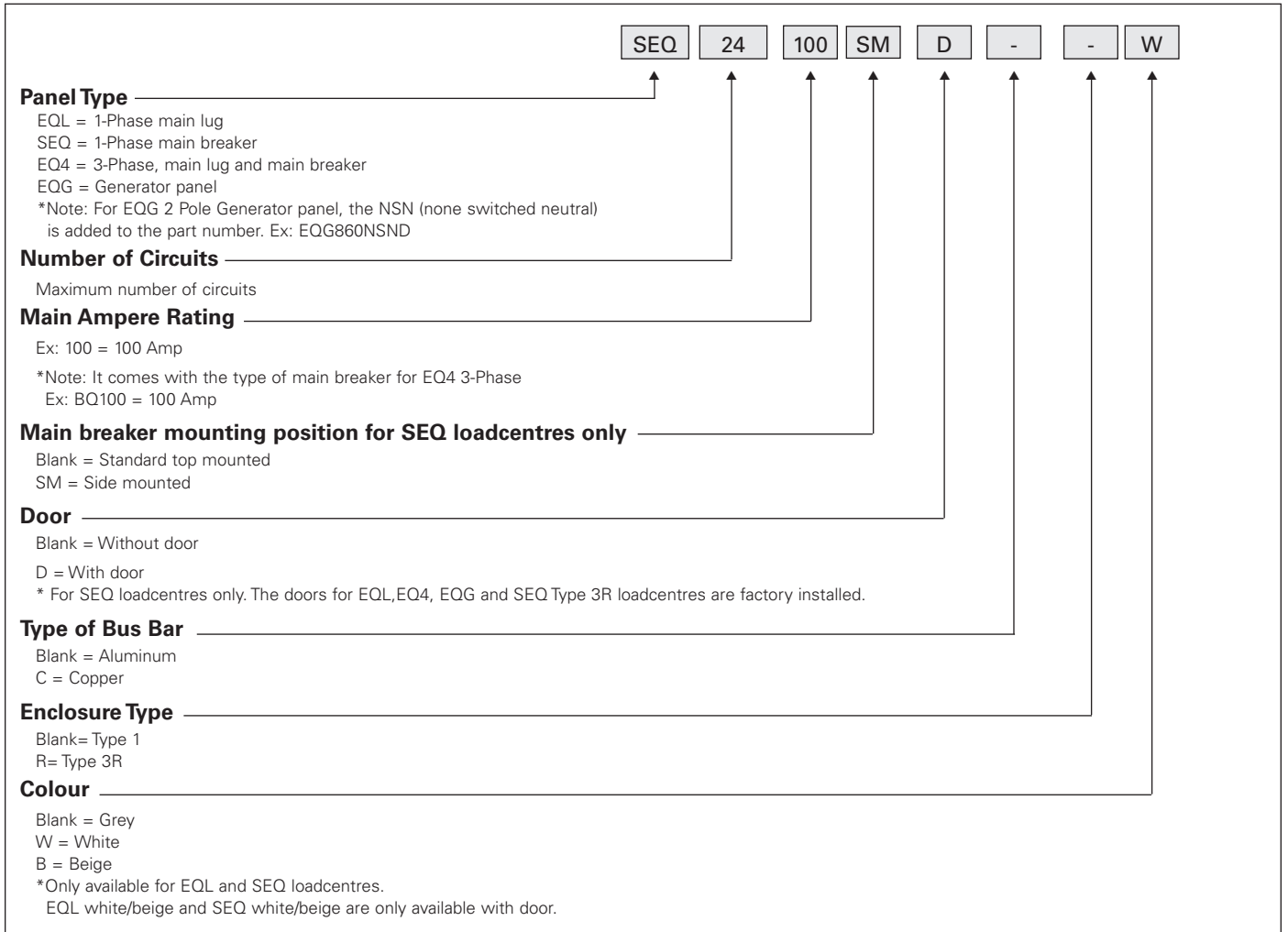
Features and Benefits

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^①



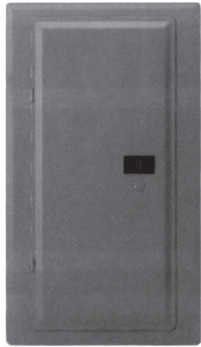
^① The Catalogue numbering system applies only to EQL, EQL Type 3R, SEQ, SEQ Type 3R, EQ4 and EQG loadcentres.

Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres

Selection

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 ³ / ₄ (70)	3	surface	N/A	N/A
4/8	EQL4100	90	100	12 ⁵ / ₈ (322)	6 ⁵ / ₈ (168)	3 ¹ / ₂ (90)	1	comb.	N/A	N/A
8/16	EQL8100D*	72	100	14 ⁷ / ₈ (378)	12 (305)	3 ³ / ₄ (95)	4-2/0	comb.	DK8-A	N/A
12/24	EQL12125D [Ⓢ]	45	125	16 ⁷ / ₈ (429)	12 (305)	3 ³ / ₄ (95)	4-2/0	comb.	DK12-A	①
16/32	EQL16125D [Ⓢ]	45	125	18 ⁷ / ₈ (479)	12 (305)	3 ³ / ₄ (95)	4-2/0	comb.	DK16-A	①
24/48	EQL24125D [Ⓢ]	36	125	24 ¹ / ₈ (613)	13 ¹ / ₃₂ (331)	3 ³ / ₄ (95)	4-2/0	comb.	DK24-A	①
32/64	EQL32200D	27	200	33 (838)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKL32-2A	①
40/80	EQL40200D	27	200	33 (838)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKL40-2A	①
Note: 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 ⁵ / ₈ (448)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	6-2/0	comb.	DK1216SM-1	①
16/32	SEQ16060SM [Ⓢ]	36	60	19 ⁵ / ₈ (498)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	6-2/0	comb.	DK1216SM-1	①
24/48	SEQ24060SM [Ⓢ]	36	60	24 ¹ / ₈ (613)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	6-2/0	comb.	DK24SM-1	①
12/24	SEQ12100SM	54	100	17 ¹ / ₂ (444)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK1216SM-1	①
16/32	SEQ16100SM	36	100	19 ¹ / ₂ (494)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK1216SM-1	①
24/48	SEQ24100SM [Ⓢ]	36	100	24 ¹ / ₈ (613)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK24SM-1	①
24/48	SEQ24100SMK [■]	36	100	24 ¹ / ₈ (613)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK24SM-1	①
24/48	SEQ24125SM [Ⓢ]	36	125	27 (686)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS24-2A	①
24/48	SEQ24150 [Ⓢ]	27	150	27 (686)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS24-2A	①
24/48	SEQ24200	27	200	33 (838)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS24-2A	①
32/64	SEQ32100SM	27	100	27 ¹ / ₈ (689)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK32SM-1	①
32/64	SEQ32125SM	27	125	27 ¹ / ₈ (689)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK32SM-1	①
32/64	SEQ32150	27	150	33 (838)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS32-2A	①
32/64	SEQ32200	27	200	33 (838)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS32-2A	①
40/80	SEQ40100	27	100	36 (914)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS40-1A	①
40/80	SEQ40125	27	125	36 (914)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS40-1A	①
40/80	SEQ40150	27	150	36 (914)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS40-2A	①
40/80	SEQ40200 [Ⓢ]	27	200	36 (914)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	DKS40-2A	①
60/120	SEQ60200	18	200	46 (1168)	14 ¹ / ₄ (362)	4 (102)	6-250 MCM	comb.	N/A	N/A
[■] 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.

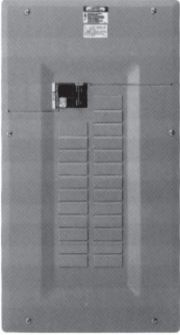

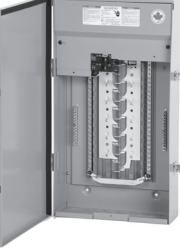
① Factory modification, see next page.

Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres



Selection and Ordering Data

Image	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.												
SEQ24125SM	EQL	Copper Bus	add suffix... C	EQL24125DC	4 weeks								
Weatherproof Loadcentre Main Lug Only, 1 phase 3 wire 120/240V AC max.													
Image	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			
	EQL24125DCR	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.													
SEQ Type 3R Weatherproof Loadcentre with Factory installed main breaker 1 phase 3 wire 240V AC max.													
Image	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			
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.													

Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres (continued)

Selection and Ordering Data

Dual Listed/cULus Loadcentres 120/240V 1 phase 3 Wire									
Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Door Kit Catalogue Number
				H	W	D			
38	SEQ38100U	27	100	36 (362)	14 ¹ / ₄ (362)	4 (102)	6-250MCM	comb.	DKS38-1A
	SEQ38125U	27	125						
	SEQ38150U	27	150						DKS38-2A
	SEQ38200U	27	200						
<p>Branch breakers: Only 1" full module breakers that are both UL & CSA certified are allowed to be installed in this loadcentre; 1/2" twin and quad branch breakers must not be used as per NEC 384-14(a) and NEC-384-15. Consult Siemens Sales Rep. for details.</p> <p>Application benefit: Allows modular home builders who have businesses in both US & Canada to carry only one line of inventory.</p>									



SEQ38200U

Loadcentres

EQ Three Phase Loadcentres

Selection and Ordering Data

EQ Three Phase Loadcentres ^①								
With main lugs only 3 phase 4 wire 240V AC max. 10 KA								
Number of Circuits	Catalogue Number	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Factory Mod.
			H	W	D			
12	EQ412100	100	28 (711)	14 ^{3/8} (365)	4 ^{3/8} (111)	14-2/0	comb.	①
18	EQ418100	100	28 (711)					
24	EQ424225	225	34 (864)			6-300 MCM		
30	EQ430225	225	34 (864)					
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)	14 ^{3/8} (365)	4 ^{3/8} (111)	4-2/0	comb.	①
42	EQ442QJ100	100(QJ)	46 (1168)			6-300 MCM		
42	EQ442QJ125	125(QJ)	46 (1168)					
42	EQ442QJ150	150(QJ)	46 (1168)					
42	EQ442QJ200	200(QJ)	46 (1168)					
<p>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.</p> <p>①All Three Phase EQ loadcentres are stocked complete with doors.</p> <p>Note: For copper bus add suffix C to existing part number. 4 weeks delivery required</p>								
Factory Modifications ^①								
Type	Description	Catalogue Number	Example	Delivery				
EQ4	Copper Bus	add suffix...C	EQ430225C	4 Weeks				
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)					



EQ424BQ100



SFK225



TFK100





Loadcentres

SPA panel and Mini Panel/Enclosed Breaker

Selection

Selection and Ordering Data



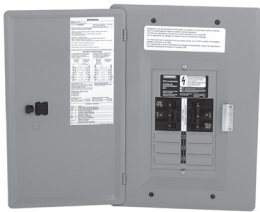
 <p>W0408ML1125</p>  <p>2-POLE GFCI</p>	SPA panel package, 3R enclosure 120/240V 1 Phase 3 Wire																																							
	Number of Circuits	Package Catalogue Number	Main Amps.	GFCI Included	Enclosure Dimensions - Inches (mm)			Hubs (sold separately)																																
					H	W	D	Conduit Size (")	Catalogue Number																															
	4/8	W0408ML1125-20	125	QF220	12 ^{1/4} (312)	6 (153)	4 ^{1/4} (108)	Cover 3/4 1 1 ^{1/4} 1 ^{1/2} 2 2 ^{1/2}	ECHS000 ECHS075 ECHS100 ECHS125 ECHS150 ECHS200 ECHS250																															
		W0408ML1125-30		QF230																																				
		W0408ML1125-40		QF240																																				
W0408ML1125-50		QF250																																						
W0408ML1125-60		QF260																																						
Each package also includes a 4-point ground bar and French instructions.																																								
 <p>EQS260</p>	Circuit Breaker Enclosures for Service Entrance and Commercial Use																																							
	EEMAC 1 Enclosure (Indoor) 1 phase 3 wire 240V AC Max.																																							
	Breaker Range	Catalogue Number	Main Amps.	Number of Poles	Dimensions - Inches (mm)			Lug Data																																
					H	W	D																																	
	15-60A	EQS260* ^①	60	1,2	7 ^{3/4} (197)	5 (127)	2 ^{3/4}	14-4 (70)																																
15-125A	EQS2125* ^①	125	1,2	13 (330)	6 ^{5/8} (168)	3 ^{3/8}	14-2/0 (86)																																	
*Does not accept quad type breaker.																																								
 <p>WEQ60-4</p>	EEMAC 3R Weatherproof Enclosure, 1 phase 3 wire 240V AC Max.																																							
	Full Module Circuits	Catalogue Number	Main Amps.	Dimensions - Inches (mm)			Weight lbs.	Hub ^② Type																																
				H	W	D																																		
	3	WEQ60-4 ^③	60	10 ^{1/4} (260)	9 ^{1/2} (241)	5 ^{5/8} (143)	8	HR																																
	2/4	W0204ML1060 ^③	60	8 (204)	5 (127)	4 ^{1/4} (108)	4	HA																																
4/8	W0408ML1125 ^③	125	12 ^{1/4} (312)	6 (153)	4 ^{1/4} (108)	7	HS																																	
Key Features: Outdoor EEMAC 3R enclosure • Accepts plug-in Q type breakers • One piece bus bar construction • Combination trim flush/surface				Hubs <table border="1"> <thead> <tr> <th>Catalogue Number</th> <th>Conduit size (")</th> <th>Catalogue Number</th> <th>Conduit size (")</th> </tr> </thead> <tbody> <tr> <td>ECHA075</td> <td>3/4</td> <td>ECHS075</td> <td>3/4</td> </tr> <tr> <td>ECHA100</td> <td>1</td> <td>ECHS100</td> <td>1</td> </tr> <tr> <td>ECHA125</td> <td>1 1/4</td> <td>ECHS125</td> <td>1 1/4</td> </tr> <tr> <td>ECHR075</td> <td>3/4</td> <td>ECHS150</td> <td>1 1/2</td> </tr> <tr> <td>ECHR100</td> <td>1</td> <td>ECHS200</td> <td>2</td> </tr> <tr> <td>ECHR125</td> <td>1 1/4</td> <td>ECHS250</td> <td>2.5</td> </tr> <tr> <td>ECHR150</td> <td>1 1/2</td> <td></td> <td></td> </tr> </tbody> </table>					Catalogue Number	Conduit size (")	Catalogue Number	Conduit size (")	ECHA075	3/4	ECHS075	3/4	ECHA100	1	ECHS100	1	ECHA125	1 1/4	ECHS125	1 1/4	ECHR075	3/4	ECHS150	1 1/2	ECHR100	1	ECHS200	2	ECHR125	1 1/4	ECHS250	2.5	ECHR150	1 1/2		
Catalogue Number	Conduit size (")	Catalogue Number	Conduit size (")																																					
ECHA075	3/4	ECHS075	3/4																																					
ECHA100	1	ECHS100	1																																					
ECHA125	1 1/4	ECHS125	1 1/4																																					
ECHR075	3/4	ECHS150	1 1/2																																					
ECHR100	1	ECHS200	2																																					
ECHR125	1 1/4	ECHS250	2.5																																					
ECHR150	1 1/2																																							
Remark: ① The panels will not accommodate a 2 pole ground fault breaker (GFCI) or breaker with shunt trip. ② Hubs sold separately ③ Not to be used as service entrance.																																								

Loadcentres

Generator panel

Selection and Ordering Data

Generator Panel, 3 Pole 1 phase 3 wire 240V AC Max. Suitable for use with a generator having a bonded neutral conductor.								
Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim
				H	W	D		
6/12	EQG630D	63	30	16 ^{7/8} (429)	12 (305)	3 ^{3/4} (95)	14-6	Comb.
	EQG660D		60				6-2/0	
	EQG680D		80				6-2/0	
	EQG6100D		100				6-2/0	
10/20	EQG1030D	45	30	18 ^{7/8} (479)	12 (305)	3 ^{3/4} (95)	14-6	Comb.
	EQG1060D		60				6-2/0	
	EQG1080D		80				6-2/0	
	EQG10100D		100				6-2/0	
18/36	EQG1830D	36	30	24 ^{1/8} (613)	13 ^{1/32} (331)	3 ^{3/4} (95)	14-6	Comb.
	EQG1860D		60				6-2/0	
	EQG1880D		80				6-2/0	
	EQG18100D		100				6-2/0	
26/52	EQG2630D	27	30	33 (838)	14 ^{1/4} (362)	4 (102)	14-6	Comb.
	EQG2660D		60				6-2/0	
	EQG2680D		80				6-2/0	
	EQG26100D		100				6-2/0	
34/68	EQG3430D	27	30	33 (838)	14 ^{1/4} (362)	4 (102)	14-6	Comb.
	EQG3460D		60				6-2/0	
	EQG3480D		80				6-2/0	
	EQG34100D		100				8-2/0	
Generator Panel, 2 Pole 1 phase 3 wire 240V AC Max. Suitable for use with a generator having an unbonded neutral conductor.								
8/16	EQG830NSND	63	30	16 ^{7/8} (429)	12 (305)	3 ^{3/4} (95)	14-8	Comb.
	EQG860NSND		60				6-2/0	
	EQG880NSND		80				6-2/0	
	EQG8100NSND		100				6-2/0	
12/24	EQG1230NSND	45	30	18 ^{7/8} (479)	12 (305)	3 ^{3/4} (95)	14-8	Comb.
	EQG1260NSND		60				6-2/0	
	EQG1280NSND		80				6-2/0	
	EQG12100NSND		100				6-2/0	
20/40	EQG2030NSND	36	30	24 ^{1/8} (613)	13 ^{1/32} (331)	3 ^{3/4} (95)	14-8	Comb.
	EQG2060NSND		60				6-2/0	
	EQG2080NSND		80				6-2/0	
	EQG20100NSND		100				6-2/0	
28/56	EQG2830NSND	27	30	33 (838)	14 ^{1/4} (362)	4 (102)	14-8	Comb.
	EQG2860NSND		60				6-2/0	
	EQG2880NSND		80				6-2/0	
	EQG28100NSND		100				6-2/0	
36/72	EQG3630NSND	27	30	33 (838)	14 ^{1/4} (362)	4 (102)	14-8	Comb.
	EQG3660NSND		60				6-2/0	
	EQG3680NSND		80				6-2/0	
	EQG36100NSND		100				6-2/0	
<p>Note: The EQG panels are stocked complete with doors</p> <p>Key Features:</p> <ul style="list-style-type: none"> • Ensures reliable and continuous operation, allows customers to permanently connect critical loads to back up generators in cases of main power failures • Factory ready for use in both switched and non-switched neutral applications • Additional number of generator circuits for more flexibility 								



EQG630D



EQG860NSND

Circuit Breakers

Type Q Plug-In Breakers

Selection and Ordering Data

Selection



LOADCENTRES 4



Q115



Q215



Q315



Q1515NC



Q21515CTNC

Full Module (1" per pole) 10,000 A.I.C

Ampere Rating	Catalogue Number	Standard Package
Single Pole		
15 20 25 30 40 50 60 70	Q115 ^③ Q120 ^③ Q125 Q130 Q140 Q150 Q160 Q170	48
Two Pole Common Trip		
15 20 25 30 40 50 60	Q215 Q220 Q225 Q230 Q240 Q250 Q260	24
70 80 90 100 125	Q270 Q280 Q290 Q2100 Q2125	5
150 200	QN2150R ^④ QN2200R ^④	1
Three Pole Common Trip		
15 20 25 30 40 50 60 70	Q315 Q320 Q325 Q330 Q340 Q350 Q360 Q370	3
90 100	Q390 Q3100	2

Half Module (1/2" per pole) 10,000 A.I.C.

Poles	Amps	Catalogue Number ^①	Standard Package
QT Dual (Twin)	15-15	Q1515NC	48
	15-20	Q1520NC	
	15-30	Q1530NC	
	15-40	Q1540NC	
	20-15	Q2015NC	
	20-20	Q2020NC	
	30-15	Q3015NC	
	30-20	Q3020NC	
	30-30	Q3030NC	
40-15	Q4015NC		

Quad Type (1/2" per pole) 10,000 A.I.C. Common Trip - centre poles only.

Poles	Ampere Rating	Catalogue Number ^②	Standard Package
QT Quad	15-15	Q21515CTNC	24
	15-20	Q21520CTNC	
	15-25	Q21525CTNC	
	15-30	Q21530CTNC	
	15-40	Q21540CTNC	

① Typical catalogue number (ie. Q1515NC) represents two single-pole 15A circuit breakers - total width 1"

② Typical catalogue number (ie. Q21520CTNC) represents two single-pole, outer poles (two 15A 1-pole circuit breakers) and one 2-pole inner breaker with common trip (one 20A 2-pole circuit breaker) - total width 2"

③ Typical CSA Listed for frequent switching applications (SWD). 120V AC Fluorescent Lighting.

④ Requires 4 panel circuits, 2 adjacent and 2 opposite. Two twist outs should be only removed.

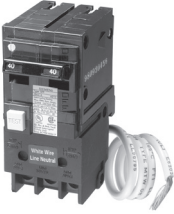


Loadcentres

Ground-Fault, Arc-Fault, Surge Arrester and Main Replacement Breakers

Selection

Selection and Ordering Data



 <p>QF240</p>  <p>QE220</p>  <p>Q115AF</p>	Ground Fault Interrupters Full Module (1" per pole) 10,000 A.I.C. 5mA Sensitivity			
	Poles	Ampere Rating	Catalogue Number	Standard Package
	1	15 20 30	QF115 QF120 QF130	30
	2	15 20 30 40 50 60	QF215 QF220 QF230 QF240 QF250 QF260	10
	QE Equipment Protection Full Module (1" per pole) 10,000 A.I.C. 30mA Sensitivity			
	1	15 20 30	QE115 QE120 QE130	1
	2	15 20 30 40 50 60	QE215 QE220 QE230 QE240 QE250 QE260	
	Arc Fault Circuit Interrupters (1" pole) Full Module 10,000 A.I.C. & 22,000 A.I.C.			
	1	15 20	Q115AF Q120AF	20
	1	15 20	Q115AFH Q120AFH	1
Surge Arrester Breakers c/w 2-1 pole (1/2" per pole) 10,000 A.I.C.^⓪				
2	15 20	QSA1515SPD QSA2020SPD	1	
Replacement Main Breakers for SEQ Loadcentres 22,000 A.I.C.				
Poles	Catalogue Number^⓪		Standard Package	
60A	Q260H		6	
100A	EQ9675		1	
125A	EQ9677			
150A	EQ9683			
200A	EQ9685			

^⓪ Typical catalogue number (ie. QSA1515SPD) represents two single-pole, outer poles (two 15A 1 pole circuit breakers) and one surge arrester inner - total width 2"

Loadcentres

Type BQ Bolt-on[®] and Blue line Circuit Breakers

Selection

Selection and Ordering Data

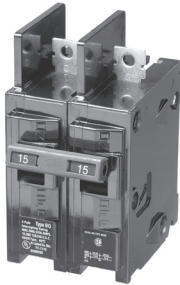


LOADCENTRES 4

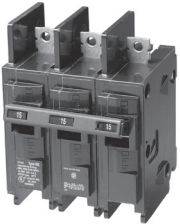
Full Module BQ Breakers (1" per pole) 10,000 A.I.C. & 22,000 A.I.C.				
Ampere Rating	10,000 A.I.C. Catalogue Number	22,000 A.I.C. Catalogue Number	Std. Pkg.	
Single Pole				
15	BQ1B015	BQ1B015H	12	
20	BQ1B020	BQ1B020H		
25	BQ1B025	BQ1B025H		
30	BQ1B030	BQ1B030H		
40	BQ1B040	BQ1B040H		
50	BQ1B050	BQ1B050H		
60	BQ1B060	BQ1B060H		
70	BQ1B070	BQ1B070H		
Two Pole Common Trip				
15	BQ2B015	BQ2B015H	6	
20	BQ2B020	BQ2B020H		
25	BQ2B025	BQ2B025H		
30	BQ2B030	BQ2B030H		
40	BQ2B040	BQ2B040H		
50	BQ2B050	BQ2B050H		
60	BQ2B060	BQ2B060H		
70	BQ2B070	BQ2B070H		
90	BQ2B090	BQ2B090H		
100	BQ2B100	BQ2B100H		
125	BQ2B125	—		
Three Pole Common Trip				
15	BQ3B015	BQ3B015H		4
20	BQ3B020	BQ3B020H		
30	BQ3B030	BQ3B030H		
40	BQ3B040	BQ3B040H		
50	BQ3B050	BQ3B050H		
60	BQ3B060	BQ3B060H		
70	BQ3B070	BQ3B070H		
90	BQ3B090	BQ3B090H		
100	BQ3B100	BQ3B100H		



BQ1B015



BQ2B015



BQ3B015

Type Blue line circuit breakers		
Ampere Rating	Catalogue Number	Standard Package
15	BL1-015	20
20	BL1-020	
30	BL1-030	
40	BL1-040	
50	BL1-050	
15	BL2-015	10
20	BL2-020	
30	BL2-030	
40	BL2-040	
Description	Catalogue Number	Standard Package
Tie Handle	BLTH1	20
6 - 1 Pole Fillers	BLF6	
Note: These breakers are used as replacement in old ITE Loadcentres		



BL1-015

[Ⓞ] Order line side screw kits separately: 8217-6 (6 pcs.)
8217-12 (12 pcs.) 8217-100 (100 pcs.) 8217-200 (200 pcs.)

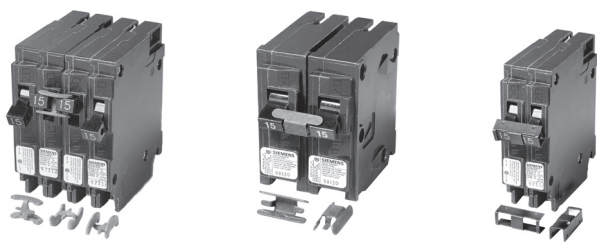

Loadcentres

Accessories

Selection

INSTA WIRE™

Selection and Ordering Data

			Catalogue Number	Description	Std. Pkg.
					
Tie Handle					
ECQTH2			QT Dual Tie Handle-Floating		25
ECQTH3			Q 2-Pole Tie Handle		50
QTH4			QT Dual Tie Handle - Bar Type		5
Blocking Device					
ECQL1			Handle Blocking Device (1,2 or 3 Pole)		10
ECQLD3			Padlocking Device (1,2 or 3 Pole) for full module breakers		
ECPLD1			Padlocking Device (1 Pole) for Twin type breakers		3
ECPLD2			Padlocking Device (2 Pole) for Quad type breakers		
Lock					
ECQFL2			Add-A-Lock (all EQ Loadcentres)		1
Neutral Lug Kits					
LK2			No. 4-2/0 CU/AL		1
LK3			No. 1-300 MCM CU/AL		
LK4			No. 1-400 MCM CU/AL		
Lug Kit[®]					
ECLK2225			No. 2-300 MCM CU/AL		1
Miscellaneous					
QF3			Three 1-Pole Fillers		1
SL3			Sliding Latch		
IG21			Insulated Ground Bar Kit		
Truck-Kit			Contractor Truck Kit		
Door Kits[®]					
DK8-A DK12-A DK16-A DK24-A DKL32-2A DKL40-2A			For EQL manufactured after Jan. 92		1
DK24SM-1 DK32SM-1 DK24SM DK32SM DK1216SM-1			For SEQ manufactured after July 00		1
DKS24-2A DKS32-2A DKS40-1A DKS40-2A			For SEQ manufactured after Jan. 92		1
TRIMSCK1 CIRNOLA32 CIRNOLA40 DIRLBLK-EQLSEQ DIRLBLK-SM			Screws for trims Circuit labels up to 32 circuits for SEQ 125A Circuit labels up to 40 circuits Directory labels EQL, SEQ Directory labels SEQ side mounted NMMB		

4
LOADCENTRES

©These lug kits simply plug on to the bus of any SEQ or EQL Loadcentre as sub-feed or through-feed lugs to take advantage of CEC Rule 14-100 (c).

©All door kits are available in Grey, White, Beige colours.

Loadcentres Surge Protection

Power Service Entrance Surge Protection

Selection

SPD4home

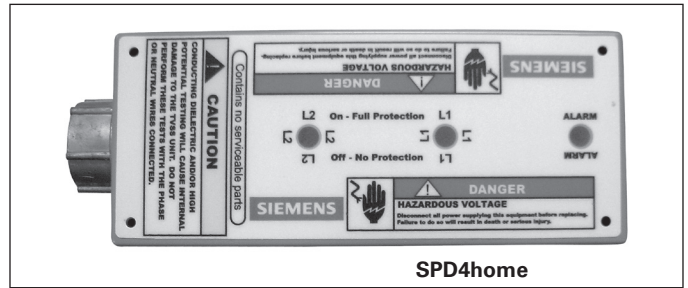
- cUL Listed
- Rated for single phase panels up to 400 amps
- Installation Flexibility
- LED Indicators
- Audible Alarm
- Ground Integrity Monitoring (GIM) circuit
- 10 year product warranty*

* Contact Siemens at 1-888-333-3545 for warranty terms and conditions.

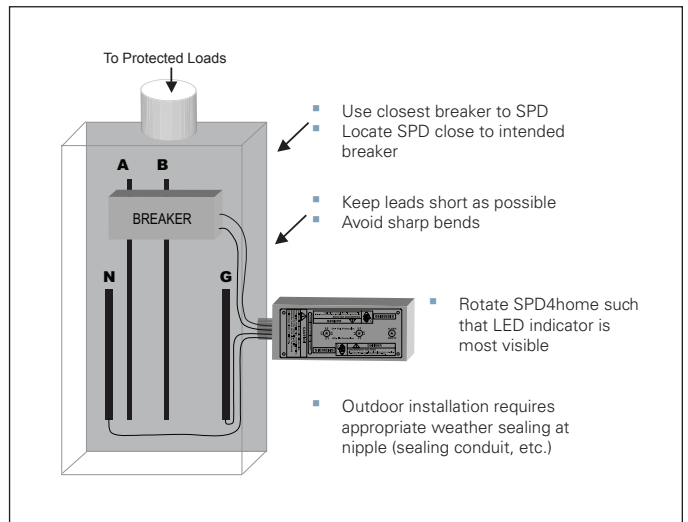
Siemens SPD4home stops power surges from entering your home when installed at the main incoming service loadcentre connected via a 20A breaker. An additional power quality feature we include within this unit is Ground Integrity Monitoring circuit, which monitors the health of the electrical systems neutral to ground bond.

Surge Type	Catalogue Number
SPD	SPD4HOME

AC Surge Protection	
Inominal (I_n) Rating	5kA
SPD Type Rating	Type 2
Thermal Fusing	Yes
Single Current Rating per Phase	40kA
Line Voltage	120/240 1 Phase 50/60 Hz
UL 1449 3rd Edition VPR	700V
MCOV	150V
Response Time	<1 nanosecond
NEMA 4X Enclosure	Standard
UL/cUL Listings	1449 SPD
Product Warranty	10 years



SPD4home



Loadcentres Surge Protection

Telephone Service Entrance Surge Protection

Selection

SPD4tel & SPD4telkit

- cUL listed
- Hardwired Telephone/Modem/Fax/DSL protection
- Exceptionally fast response time
- Low insertion loss
- Available with or without enclosure
- 5 Year product warranty*

* Contact Siemens at 1-888-333-3545 for warranty terms and conditions.

SPD4tel is a 2-pair hardwired telephone service entrance surge protector designed to stop surges from entering your home via your incoming telephone service. The SPD4tel is designed for indoor applications or can be mounted inside another weatherproof enclosure for outdoor mounting applications when housed within the SPD4telkit.

When combined with the SPD4home and SPD4coax, all primary surge entry points into the home are protected providing comprehensive whole house protection.



AC Surge Protection	
Catastrophic Surge Circuit	Yes
Spike Capacity	200 Amps
Let Through Voltage	<270V
Overcurrent Protection	Yes
Response Time	<1 nanosecond
Environmentally Sealed	Yes
UL/cUL Listings	497A
Meets Telcordia (formally Bellcore) GR-974-CORE Requirements for Telecommunications Line Protectors	Yes
Product Warranty	5 years

Surge Type	Catalogue Number
Telco	SPD4TEL
Telco	SPD4TELKIT

Coaxial Service Entrance Surge Protection

SPD4coax

- cUL listed
- Rated for CATV, DSS, TV, VCR, and Cable Modem
- Easy to install
- Standard Female to Female F connector
- Low insertion loss
- Automatic recovery
- 5 Year product warranty*

* Contact Siemens at 1-888-333-3545 for warranty terms and conditions.

SPD4coax is a coaxial service entrance surge protector designed to stop surges from entering your home via your incoming coax TV service. SPD4coax includes a section of coaxial cable with female to female splice for line side application.

When combined with the SPD4home and SPD4tel, all primary surge entry points into the home are protected providing comprehensive whole house protection.



AC Surge Protection	
Frequency Range	DC thru 1.5 GHz
Catastrophic Surge Circuit	Yes
Spike Capacity	5000 Amps, 8/20 µSec
Impedance	75 Ohms
Overcurrent Protection	Yes
Return Loss	30dB @ 1 GHz
Insertion Loss	<0.1dB
UL/cUL Listings	497B
Meets IEEE C62.41.1 Requirements	Yes
Product Warranty	5 Years

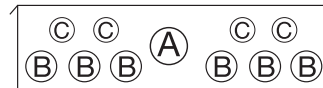
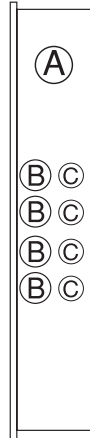
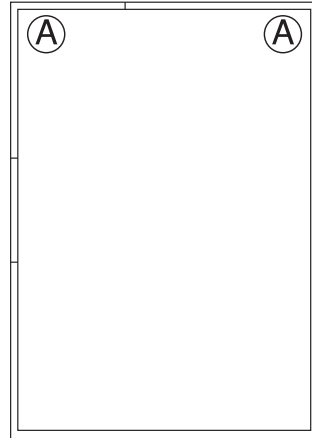
Surge Type	Catalogue Number
Coaxial	SPD4COAX

Loadcentres

Knockout Data

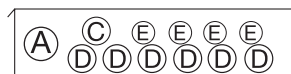
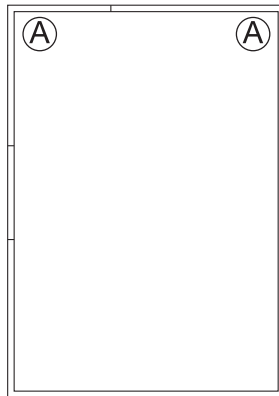
Selection

		K.O. Qty			
		A	B	C	D
EQL8	Box	6	6	6	4
	Top	1	6	4	2
	Bot.	1	6	4	2
EQG 6 EQL 12	Box	6	6	6	4
	Top	1	6	4	2
EQG 8NSND	Bot.	1	6	4	2
EQG 10 EQL 16	Box	6	8	8	4
	Top	1	6	4	2
EQG 12NSND	Bot.	1	6	4	2
		K.O. Trade Dia.			
A	3/4" - 1" - 1 1/4" - 1 1/2"				
B	1/2" - 3/4"				
C	1/2"				
D	1/4"				

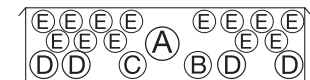


Top and Bottom

		K.O. Qty.				
		A	B	C	D	E
EQG 18	Box	4	2	-	18	16
EQL 24	Top	1	-	1	6	4
EQG 20NSND	Bot.	1	-	1	6	4
EQG 24	Box	4	2	2	2	36
EQL 32	Top	1	1	1	4	13
EQG 28NSND	Bot.	1	1	1	4	13
EQL 34	Box	4	2	2	2	36
EQL 40	Top	1	1	1	4	13
EQG 36NSND	Bot.	1	1	1	4	13
		K.O. Trade Dia.				
A	1 1/4" - 1 1/2" - 2" - 2 1/2"					
B	3/4" - 1" - 1 1/4"					
C	1/2" - 3/4" - 1"					
D	1/2" - 3/4"					
E	1/2"					



Top and Bottom for
EQL 24
EQG 18
EQG 20NSND



Top and Bottom for
EQL 32 & 40 cir.

Loadcentres

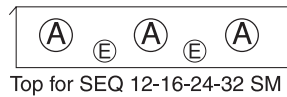
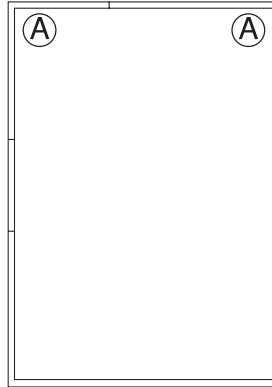
Knockout Data

Selection

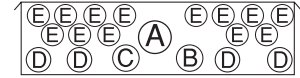
Service Entrance Loadcentres with Plug-in Breakers

		K.O. Qty.				
		A	B	C	D	E
SEQ 12 SM	Box	4	2	0	10	8
SEQ 16 SM	Top	3	0	0	0	2
	Bot.	1	0	1	6	4
SEQ 24 SM	Box	4	2	-	18	16
SEQ 32 SM	Top	3	-	-	-	2
	Bot.	1	-	1	6	4
	Box	4	2	2	2	22
SEQ 24	Top	1	1	1	4	13
	Bot.	1	1	1	4	13
	Box	4	2	2	2	36
SEQ 32	Top	1	1	1	4	13
	Bot.	1	1	1	4	13
	Box	4	2	2	2	36
SEQ 40	Top	1	1	1	4	13
	Bot.	1	1	1	4	13
	Box	4	2	2	2	68
SEQ60200	Top	1	1	1	4	13
	Bot.	1	1	1	4	13

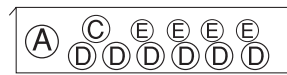
		K.O. Trade Dia.				
A		1 1/4" - 1 1/2" - 2" - 2 1/2"				
B		3/4" - 1" - 1 1/4"				
C		1/2" - 3/4" - 1"				
D		1/2" - 3/4"				
E		1/2"				



Top for SEQ 12-16-24-32 SM

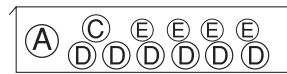


Top and Bottom for SEQ 24-32, 40, 60

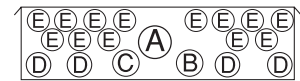


Bottom for SEQ 12-16-24-32 SM

Service Entrance Loadcentres (Type 3R) Bottom Only



SEQ 16- 24- 32 SM

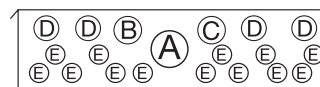
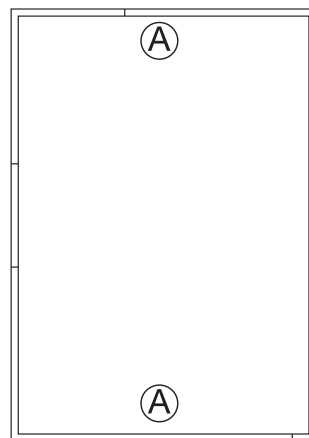


SEQ 24- 32- 40

EQ Loadcentres with Plug-in or Bolt-on Breakers

		K.O. Qty.				
		A	B	C	D	E
All	Box	6	-	-	4	-
EQ 1PH	Top	1	1	1	4	13
EQ 3PH	Bot.	1	1	1	4	13

		K.O. Trade Dia.				
A		1 1/4" - 1 1/2" - 2 1/2"				
B		3/4" - 1" - 1 1/4"				
C		1/2" - 3/4" - 1"				
D		1/2" - 3/4"				
E		1/2"				

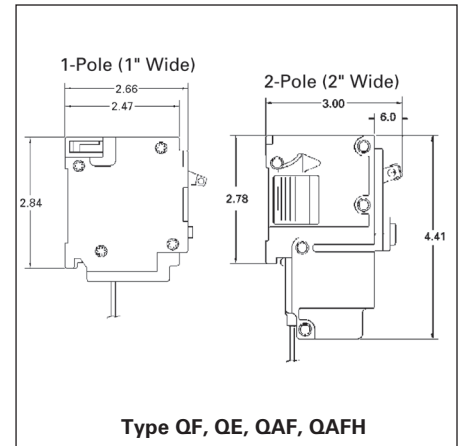
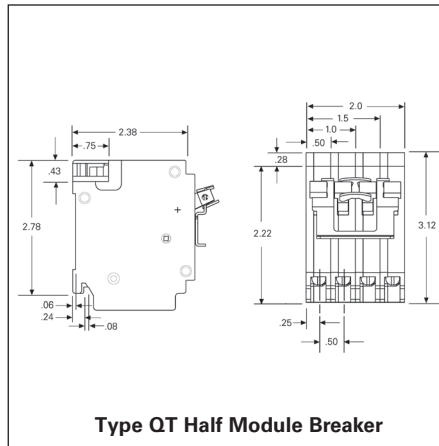
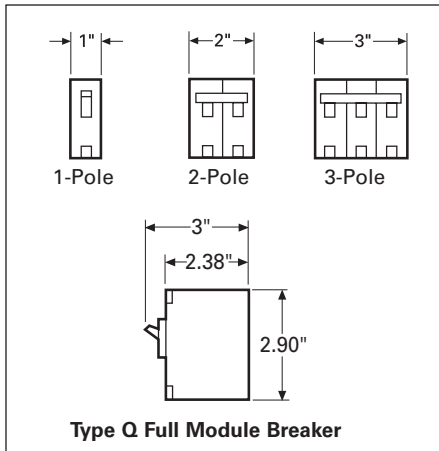


Top and Bottom

Loadcentres

Line Diagrams/Dimension Drawings for Circuit Breakers/Lug Data

Selection



LOADCENTRES
4

Lug Data

Circuit Breaker Type	Circuit Breaker Ampere Rating	Cables Per Connector	Connector Wire Range
LOAD SIDE			
Q	15-30	1 1	#14-#8 AWG Cu #12-#8 AWG Al
	40-50	1 1	#8-#6 AWG Cu #8-#4 AWG Al
	60-70	1 1	#6-#2/0 AWG Cu #6-#2/0 AWG Al
	80-125	1 1	#8-#2/0 AWG Cu #8-#2/0 AWG Al
QNR	150-200	1	#1-300kcmil Cu-Al
QT	15-30	1 1	#14-#8 AWG Cu #12-#8 AWG Al
	40	1	#8 AWG CU-Al
QF, QE	15-30	1 1	#14-#10 AWG Cu #12-#8 AWG Al
	40-60	1 1	#8-#6 AWG Cu #8-#4 AWG Al
QAF, QAFH	15-20	1 1	#14-#12 AWG Cu #12-#10 AWG Al

