

Contents

Application and Description	1-2
Product Offering and Specification Guide	1-3
Product Features and Customer Benefits	1-4
Catalogue Numbering System	1-5 – 1-6
EQL, SNC, & SEQ Single phase Loadcentres	
EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres	1-7
Retrofit Loadcentre Interior	1-8
SNC Single Phase Main Lug & Main Breaker Plug On Neutral loadcentres	1-8
EQL, SNC, & SEQ Single Phase Main Lug & Main Breaker Loadcentre	1-9 – 1-10
EQ3 Single phase & EQ4 Three phase Loadcentres	1-11
SPA panel, Mini panels and Enclosed Breaker	1-12
EQG Generator Panels	
EQG 3 Pole	1-13
EQG 2 Pole	1-13
Plug in Branch Breakers Type Q	
Full Module (1" per pole)	1-14
Half Module (1/2" per pole): Twin and Quad Type	1-14
EQL, SNC, & SEQ Single Phase Main Lug & Main Breaker Loadcentre	1-15
Arc Fault Interrupters	1-16
Ground Fault Interrupters	1-16
Bolt-On Branch Breakers Type BQ	
Full Module (1" per pole)	1-17
Blue Line Breakers	1-17
Accessories and Replacement Parts	1-18 – 1-24
Inhab™ Load Manager NEW	1-25
Intelli-Arc™ NEW	1-26
Surge Protection	
BoltShield™ Surge Protective Devices	1-27 – 1-28
Power Service Entrance Surge Protection	1-29
Knockout Data for Loadcentres	1-30 - 1-31
Line Diagrams/Dimension Drawings for Breakers	1-32
Lug Data	1-32

Loadcentres

Applications and Descriptions

Description

1
LOADCENTRES

No. Applications	Products
1 Miscellaneous Applications Standard Main Lugs Only Panel	EQL & SNC Loadcentre-Indoor & Outdoor Type
2 Single Family	a) SEQ Loadcentre – Indoor & Outdoor Type b) SNC Loadcentre - Indoor 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 c) SNC Main Lugs Loadcentre - Indoor type d) SNC Main Breaker Loadcentre - Indoor 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.



Speeds Your Installation With Every Turn!

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
- 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^{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 60/75YC wiring applications; ratings are as follows: loadcentre main terminals 60/75YC cu/al wire; branch breaker terminals-60/75YC 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.

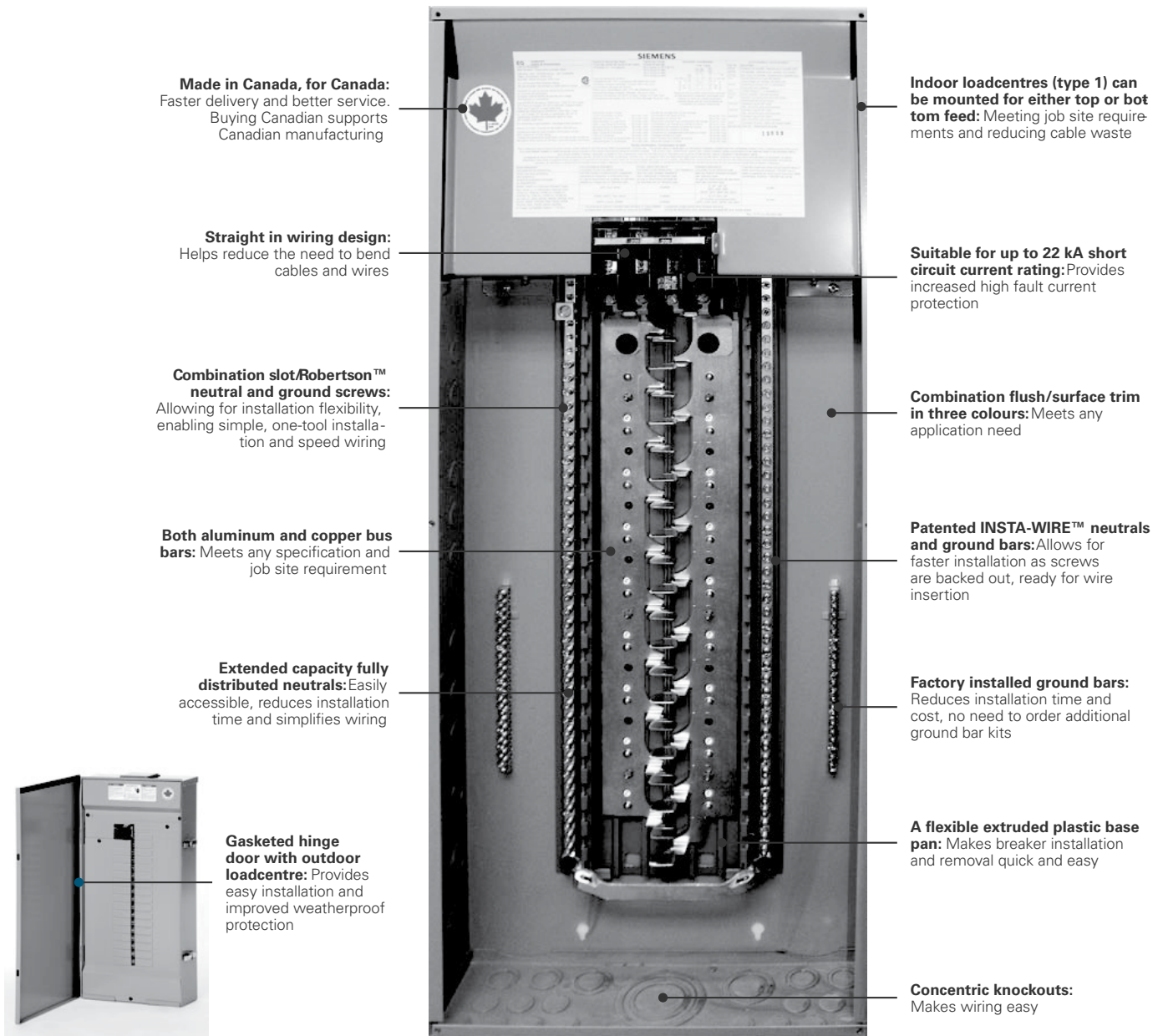


Loadcentres

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^①

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

*Only available for EQL and SEQ loadcentres.
EQL white and SEQ white are only available with door.

SEQ

24

100

SM

D

-

-

W



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

Loadcentres

Catalogue Numbering System

Catalogue Numbering System

1

LOADCENTRES

SNC 12 24 B 1 100 W

Panel Type

SNC = 1-Phase main lug

Number of Spaces

Maximum number of 1" breakers

Number of circuits

Maximum number of circuits

Type

L = Main Lug

B = Main Breaker

System Type

1 = 1-phase

Main Ampere Rating

Ex: 100 = 100 Amp

Colour

Blank = Grey

W = White

Note: SNC Loadcentres are shipped with door as standard



SNC1632B1100



SNC2448L1125



SNC1224B1100

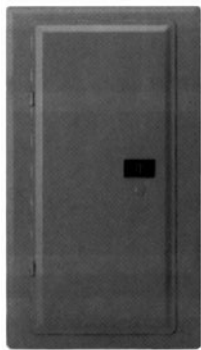
Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres

Selection and Ordering Data

Selection
INSTA WIRE™

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 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 / ₂ (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	24 ¹ / ₈ (613)	13 ¹ / ₈ (333)	3 ³ / ₄ (95)	4-2/0	comb.	DK24SM-1	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	27 (686)	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.

- ① Factory modification, see next page.
- ② For copper bus add suffix C to existing part number. 4 weeks delivery required.

③ EQL available in White paint colour. Add "W" to end of part number.

④ EQL and SEQ loadcentres are compatible with pigtail version of AFCI, GFCI & Dual function (AFCI/GFCI) breakers. They are NOT compatible with plug on neutral version of AFCI, GFCI & Dual function (AFCI/GFCI) breakers.

Loadcentres

SNC Single Phase Main Lug & Main Breaker Plug On Neutral loadcentres

Selection

LOADCENTRES

Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches			Lug Data	Mounting Trim	Door & Trim Kit Catalogue Number	Factory Mod.
				H	W	D				
12/24	SNC1224L1125	28	125	18	14 1/4	3 7/8	2/0	comb.	RSCT1224L1125	N/A
16/32	SNC1632L1125	28	125	21	14 1/4	3 7/8	2/0	comb.	RSCT1632L1125	N/A
24/48	SNC2448L1125	28	125	24	14 1/4	3 7/8	2/0	comb.	RSCT2448L1125	N/A
30/48	SNC3048L1200	21	200	30	14 1/4	3 7/8	300 kcmil	comb.	RSCT3048L1200	N/A
40/60	SNC4060L1200	21	200	36	14 1/4	3 7/8	300 kcmil	comb.	RSCT4060L1200	N/A

Number of Circuits	Bus Bar Rating	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches			Lug Data	Mounting Trim	Door & Trim Kit Catalogue Number	Factory Mod.
					H	W	D				
12/24	200A	SNC1224B1100	28	100	18	14 1/4	3 7/8	2/0	comb.	RSCT1224B1100	N/A
16/32	200A	SNC1632B1100	28	100	21	14 1/4	3 7/8	2/0	comb.	RSCT1632B1100	N/A
24/48	200A	SNC2448B1100	28	100	24	14 1/4	3 7/8	2/0	comb.	RSCT2448B1100	N/A
24/48	200A	SNC2448B1125	21	125	26	14 1/4	3 7/8	2/0	comb.	RSCT2448B1125	N/A
24/48	200A	SNC2448B1150	21	150	30	14 1/4	3 7/8	300 kcmil	comb.	RSCT2448B1150	N/A
24/48	200A	SNC2448B1200	21	200	30	14 1/4	3 7/8	300 kcmil	comb.	RSCT2448B1200	N/A
30/48	200A	SNC3048B1100	21	100	26	14 1/4	3 7/8	2/0	comb.	RSCT3048B1100	N/A
30/48	200A	SNC3048B1125	21	125	26	14 1/4	3 7/8	2/0	comb.	RSCT3048B1125	N/A
30/48	200A	SNC3048B1150	21	150	36	14 1/4	3 7/8	300 kcmil	comb.	RSCT3048B1150	N/A
30/48	200A	SNC3048B1200	21	200	36	14 1/4	3 7/8	300 kcmil	comb.	RSCT3048B1200	N/A
40/60	200A	SNC4060B1150	21	150	39	14 1/4	3 7/8	300 kcmil	comb.	RSCT4060B1150	N/A
40/60	200A	SNC4060B1200	21	200	39	14 1/4	3 7/8	300 kcmil	comb.	RSCT4060B1200	N/A
42/60	200A	SNC4264B1200	21	200	39	14 1/4	3 7/8	300 kcmil	comb.	RSCT4264B1200	N/A
54/82	200A	SNC5482B1200	12	200	44	14 1/4	3 7/8	300 kcmil	comb.	RSCT5482B1200	N/A

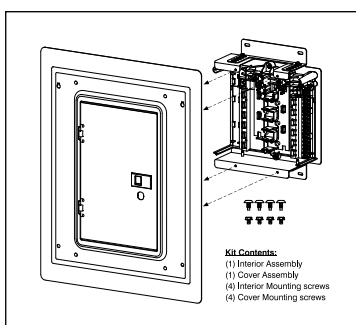
Retrofit Load Centre Interior

Features

- For use in home renovations with existing load centers®
- Suitable for use in indoor Type 1 Enclosure
- Interior, Flush Cover, and Hardware included
- Adjustable depth
- Incoming lugs: 2/0 - #4 AWG AL/CU
- UL listed



Amp Rating	No. of Spaces	No. of Circuits	Catalogue Numbers	Min. Enclosure Size (inches)			Max. Enclosure Size (inches)			Cover Dimensions (inches)	
				L	W	D ^⑤	L	W	D ^⑤	L	W
100	8	16	RE0816ML1100J	13.00	10.50	3.75	19.00	14.25	6.00	22.00	18.00
100	8	16	RE0816ML1100K	20.00	10.50	3.75	26.00	14.25	6.00	29.00	18.00
125	12	24	RE1224ML1125J	17.00	12.25	3.75	21.00	14.25	6.00	23.00	18.00
125	12	24	RE1224ML1125K	22.00	12.25	3.75	26.00	14.25	6.00	29.00	18.00



Note:

- ① SNC available in White paint colour. Add "W" to end of part number
- ② 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.
- ③ SNC loadcentres are compatible with pigtail version and plug on neutral version of AFCI, GFCI & Dual function (AFCI/GFCI) breakers.
- ④ Existing enclosure must measure within listed dimensions for the use of the kit.
- ⑤ Depth of enclosure is measured from finished wall surface.

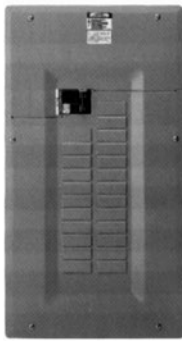
Loadcentres

EQL, SNC, & SEQ Single Phase Main Lug & Main Breaker Loadcentres

Selection and Ordering Data

Selection
INSTA WIRE™

1
LOADCENTRES

	Factory Modifications ^①											
	Type	Description	Catalogue Number				Example			Delivery		
	EQL	White door and trim	add suffix... W				EQL24125DW			2 weeks		
	SNC	White door and trim	add suffix... W				SNC1224L1112SW					
	SEQ	Grey door installed White door and trim	add suffix... D add suffix... DW				SEQ24125SMD SEQ24125SMDW					
	Door Kit	White Door kit	add suffix... W				DK24SM-1W					
Note: All door kits are available in Grey and White colours.												
EQL	Copper Bus	add suffix... CR				EQL24125DCR			4 weeks			

SEQ24125SM

	Weatherproof Loadcentre Main Lug Only, 1 phase 3 wire 120/240V AC max.											
	Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Factory Mod.	Hubs (sold seperately)	
					H	W	D				Conduit size (")	Catalogue Number
	12/24	EQL12125DCR	35	125	19 ⁷ / ₈ (505)	13 ³ / ₄ (349)	5 (127)	6-2/0	surface only	N/A	3/4 1	ECHS075 ECHS100
	24/48	EQL24125DCR	28	125	24 ⁷ / ₈ (632)	13 ³ / ₄ (349)	5 (127)	6-2/0	surface only	N/A	1 1/4 1 1/2	ECHS125 ECHS150
	40/80	EQL40200DCR	21	200	33 ⁵ / ₈ (853)	15 (381)	5 (127)	6-250 MCM	surface only	N/A	2 2 1/2	ECHS200 ECHS250

EQL24125DCR

* 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.											
	Number of Circuits	Catalogue Number	Skid Qty.	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Factory Mod.	Hubs (sold seperately)	
					H	W	D				Conduit size (")	Catalogue Number
	16/32	SEQ16100SMCR	35	100	21 ⁵ / ₈ (549)	13 ⁹ / 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	24 ⁵ / ₈ (625)	13 ⁹ / ₁₆ (345)	5 (127)	6-2/0	surface only	N/A		
	24/48	SEQ24200CR	21	200	27 ¹ / ₂ (699)	15 (381)	5 (127)	6-250 MCM	surface only	N/A		
40/80	SEQ40200CR	21	200	36 ¹ / 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.												

SEQ24100SMCR

Loadcentres

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

Selection

Selection and Ordering Data

1
LOADCENTRES



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						DKS38-2A
	SEQ38150U	27	150						
	SEQ38200U	27	200						
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. Application benefit: Allows modular home builders who have businesses in both US & Canada to carry only one line of inventory.									

SEQ38200U



SEQ38200U

Loadcentres

EQ3 Single Phase & EQ4 Three Phase Loadcentres

Selection

Selection and Ordering Data

	EQ3 Single Phase Loadcentres									
	With Main Lugs only 1 phase 3 Wire 120/240 V AC max. 10KA									
	Number of Circuits	Catalogue Number	Main Amps	Dimensions - Inches (mm)			Lug Data	Mounting Trim	Door Catalogue Number	Factory Mod.
				H	W	D				
	24	EQ324225	225	34 (864)	14 ³ / ₈ (365)	4 ³ / ₈ (111)	6-300 MCM	comb.	DKEQ2430	①
	40	EQ340225	225	40 (1016)					DKEQ42	
	EQ3 Service Entrance Loadcentre									
	With factory Installed Main Breaker 1 phase 3 Wire 120/240 V AC max. 10KA									
	24	EQ324BQ125	125	34 (864)	14 ³ / ₈ (365)	4 ³ / ₈ (111)	#6 - 2/0	comb.	DKEQ24BQ	①
	32	EQ332BQ125	125	40 (1016)					DKEQ42	
EQ Three Phase Loadcentres ^①										
With main lugs only 3 phase 4 wire 240V AC max. 10 KA										
12	EQ412100	100	28 (711)	14 ³ / ₈ (365)	4 ³ / ₈ (111)	14-2/0	comb.	DKEQ1218	①	
18	EQ418100	100	28 (711)					DKEQ1218		
24	EQ424225	225	34 (864)			6-300 MCM		DKEQ2430		
30	EQ430225	225	34 (864)					DKEQ2430		
42	EQ442225	225	40 (1016)					DKEQ42		
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.	DKEQ24BQ	①	
42	EQ442QR100	100(QR)	46 (1168)			6-300 MCM		DKEQ42QR		
42	EQ442QR125	125(QR)	46 (1168)							
42	EQ442QR150	150(QR)	46 (1168)							
42	EQ442QR200	200(QR)	46 (1168)							
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)							

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.

©All Three Phase EQ loadcentres are stocked complete with doors. Interior only is not available. Must be ordered as a complete unit.

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

Loadcentres

SPA panel and Mini Panel/Enclosed Breaker

Selection

INSTA WIRE™

Selection and Ordering Data

1
LOADCENTRES

 W0408ML1125  2-POLE GFCI	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 seperately)	
					H	W	D	Conduit Size (")	Catalogue Number
	4/8	W0408ML1125-20	125	QF220A	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		QF230A					
		W0408ML1125-40		QF240A					
		W0408ML1125-50		QF250A					
W0408ML1125-60		QF260A							
Each package also includes a 4-point ground bar and French instructions.									

 EQS260	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.							

 WEQ60-4  W0816ML1125CU	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																															
	8/16	W0816ML1125CU ^③	125	14 3/4 (375)	12 1/8 (308)	4 1/4 (108)	7	HS																															
Note: Package does not include a 4-point ground bar, please order: GBK4																																							
Key Features: Outdoor EEMAC 3R enclosure • Accepts plug-in Q type breakers • One piece bus bar construction • Combination trim flush/surface																																							
Remark: ^① The panels will not accommodate a 2 pole ground fault breaker (GFCI) or breaker with shunt trip. ^② Hubs sold seperately ^③ Not to be used as service entrance.																																							
				Hubs <table><tr><th>Catalogue Number</th><th>Conduit size (")</th><th>Catalogue Number</th><th>Conduit size (")</th></tr><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></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																																						

Loadcentres

Generator panel

Selection

Selection and Ordering Data

1
LOADCENTRES

	Generator Panel, 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, 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		
Note: The EQG panels are stocked complete with doors									
Key Features: - 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
INSTA WIRE™

1
LOADCENTRES



Q115



Q215



Q315



Q1515NC



Q21515CTNC

Full Module (1" per pole) 10,000 A.I.C													
Ampere Rating		Breaker Type	Catalogue Number	Standard Package									
Single Pole													
15 20 25 30 40 50 60 70	QP		Q115 ^③ Q120 ^③ Q125 Q130 Q140 Q150 Q160 Q170	48									
Two Pole Common Trip													
15 20 25 30 35 40 50 60			QP			Q215 Q220 Q225 Q230 Q235 Q240 Q250 Q260	24						
70 80 90 100 110 125						QP			Q270 Q280 Q290 Q2100 Q2110 Q2125	5			
150 200									QNR			QN2150R ^{④⑤} QN2200R ^{④⑤}	1
Three Pole Common Trip													
15 20 25 30 40 50 60 70									QP			Q315 Q320 Q325 Q330 Q340 Q350 Q360 Q370	3
80 90 100												QP	
Half Module (1/2" per pole) 10,000 A.I.C.													
Poles	Amps	Breaker Type		Catalogue Number ^①		Standard Package							
QT Dual (Twin)	15-15 15-20 15-30 15-40 20-15 20-20 30-15 30-20 30-30 40-15	QT		Q1515NC Q1520NC Q1530NC Q1540NC Q2015NC Q2020NC Q3015NC Q2030NC Q3030NC Q4015NC	48								
	Quad Type (1/2" per pole) 10,000 A.I.C. Common Trip - centre poles only.												
	Poles			Ampere Rating		Breaker Type	Catalogue Number ^②	Standard Package					
	QT Quad			15-15 15-20 15-25 15-30 15-40		QT		Q21515CTNC Q21520CTNC Q21525CTNC Q21530CTNC Q21540CTNC		24			

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.

⑤ Will not fit in EQ3 or EQ4 loadcenters

Circuit Breakers

Surge Arrester and Replacement Main Breakers

Selection and Ordering Data

Selection
INSTA WIRE™

LOADCENTRES

 EQ9675	Replacement Main Breakers for EQ4 and EQ3 Loadcentres 22,000 A.I.C.			
	Poles	Ampere Rating	Catalogue Number	Standard Package
	N/A	60	Q260H	6
		100 125 150 200	EQ9675 EQ9677 EQ9683 EQ9685	1

QP / QPH / HQP Internal Accessories

Control Voltage AC	Catalogue Number	Field/Factory Installed
120V Shunt Trip	add suffix ...00S01■	Factory
24V Shunt Trip	add suffix ...00S07■	Factory
120V Auxiliary Switch	add suffix ...01■ ^①	Factory

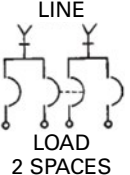
SNC Loadcentre Only Quad Type Breakers

Triplex Circuit Breakers

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

Below Breakers Fit SNC Panels Only, Not Suitable for SEQ or EQ Loadcentres

Poles	Ampere Rating	Breaker Type	Catalogue Number ^②	Standard Package	Loadcentre Compatibility
QT Quad (Takes up 2 paces In panel)	15-35	QT	Q21535CT	24	SNC Loadcentres (Not suitable for SEQ or EQ Loadcentres)
	15-45		Q21545CT		
	15-50		Q21550CT		
	20-15		Q22015CT		
	20-20		Q22020CT		
	20-25		Q22025CT		
	20-30		Q22030CT		
	20-35		Q22035CT		
	20-40		Q22040CT		
	20-45		Q22045CT		
	20-50		Q22050CT		
	30-30		Q23030CT		

QT Triplex

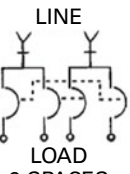
These space saver triplex breakers provide a 2-pole common trip breaker for 120/240V AC circuits and two single poles for 120V AC circuits. Triplex require two panel spaces. HACR rated.

Quadplex Circuit Breakers

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

Below Breakers Fit SNC Panels Only, Not Suitable for SEQ or EQ Loadcentres

Poles	Ampere Rating	Breaker Type	Catalogue Number ^②	Standard Package	Loadcentre Compatibility
QT Quad (Takes up 2 paces In panel)	15-15	QT	Q21515CT2	24	SNC Loadcentres (Not suitable for SEQ or EQ Loadcentres)
	20-20		Q22020CT2		
	30-20		Q23020CT2		
	30-30		Q23030CT2		
	30-40		Q23040CT2		
	30-50		Q23050CT2		
	40-20		Q24020CT2		
	40-30		Q24030CT2		
	40-40		Q24040CT2		
	15-30		Q21530CT2		
	20-50		Q22050CT2		
	30-25		Q23025CT2		

QT Quadplex

These space saver quadplex breakers provide two sets of common trip, two-pole breakers for 120/240V AC circuits, and require two panel spaces. HACR rated.

■ Built to order. Allow 2-3 weeks for delivery.

① 1A and 1B contacts.

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

Loadcentres

Arc-Fault and Ground Fault Circuit Interrupters

Selection

Selection and Ordering Data

1
LOADCENTRES

	Poles	Ampere Rating	Breaker Type	Interrupting Rating			
				10Ka	22kA	65Ka	
				Catalogue Number			
				Combination Arc Fault Circuit Interrupters (AFCI) Detects all three possible types of arc faults: line-to-ground, line-to-neutral, and series. Pig Tail Version, Full Module (1" per pole)			
	1	15 20	QAF2 / QAFH2 / HQAF2	QA115AFCCSA QA120AFCCSA	QA115AFCH QA120AFCH	QA115AFCHH QA120AFCHH	
	2	15 20	QAF / QAFH	Q215AFCCSA Q220AFCCSA	Q215AFCH Q220AFCH	N/A N/A	
Plug On Neutral Version, Full Module (1" per pole)							
	1	15 20	QAF2N	QA115AFCNCSA QA120AFCNCSA	N/A N/A	N/A N/A	
	2	15 20	QAFN	Q215AFCNCSA Q220AFCNCSA	N/A N/A	N/A N/A	
Pig Tail Twin Version, Half Module (1/2" per pole)							
	1	15 20	QTA	Q115AFCCSA Q2020AFCCSA	N/A N/A	N/A N/A	
	Plug On Neutral Twin Version, Half Module (1/2" per pole)						
	1	15 20	QTAN	Q115AFCNCSA Q2020AFCNCSA	N/A N/A	N/A N/A	
Dual Function AFCI/GFCI The Dual Function Circuit Breaker combines Combination Type AFCI and GFCI, protecting against both Arc Faults and (5mA) Ground Faults. Includes Self Test as an added safety feature. Pig Tail Version, Full Module (1" per pole)							
	1	15 20	QFGA2 / QFGAH2 / HQFGA2	Q115DFCSA Q120DFCSA	Q115DFH Q120DFH	Q115DFHH Q120DFHH	
Plug On Neutral Version, Full Module (1" per pole)							
	1	15 20	QFGA2N	Q115DFNCSA Q120DFNCSA	N/A N/A	N/A N/A	
Ground Fault Circuit Interrupters, Class A (5mA) Sensitivity Provides Class A (5mA) ground fault protection. Intended for personnel protection. Includes Self Test as an added safety feature. Pig Tail Version, Full Module (1" per pole)							
	1	15 20 30	QPF2/QPHF2 / HQPF2	QF115ACSA QF120ACSA QF130ACSA	QF115AH QF120AH QF130AH	QF115AHH QF120AHH QF130AHH	
	2	15 20 30	QPFB/QPHFB / HQPFB	QF215ACSA QF220ACSA QF230ACSA	Q215GFH Q220GFH Q230GFH	Q215GFHH Q220GFHH Q230GFHH	
		40 50 60	QPF/QPHFB	QF240ACSA QF250ACSA QF260ACSA	QF240AH QF250AH QF260AH	N/A N/A N/A	
Plug On Neutral Version, Full Module (1" per pole)							
		1	15 20 30	QPF2N	QF115ANCSA QF120ANCSA QF130ANCSA	N/A N/A N/A	N/A N/A N/A
	2	15 20 30	QPFBN	Q215GFNCSA Q220GFNCSA Q230GFNCSA	N/A N/A N/A	N/A N/A N/A	
	Ground Fault Equipment Protection (QE), Full Module (1" per pole) 30mA Sensitivity Provides protection of equipment from damaging line-to-ground faults currents.						
	1	15 20 30	QE2	QE115 QE120 QE130	N/A N/A N/A	N/A N/A N/A	
	2	15 20 30	QEB	Q215EG Q220EG Q230EG	N/A N/A N/A	N/A N/A N/A	
		40 50 60	QE	QE240 QE250 QE260	N/A N/A N/A	N/A N/A N/A	

NOTE: Plug on Neutral breakers are only compatible with SNC loadcentres

Loadcentres

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

Selection

Selection and Ordering Data



LOADCENTRES

BQ1B015

BQ2B015

BQ3B015

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	
80	BQ2B080	BQ2B080H	
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

Loadcentres

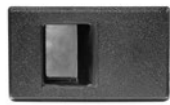
Accessories and Replacement Parts

Selection

INSTA WIRE™

Selection and Ordering Data

1
LOADCENTRES

		
ECQTH2	ECQTH3	QTH4
		
ECQL1	ECQLD3	
		
ECQFL2		
		
LK2	LK3	
		
SL3	Truck Kit	IG21

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 Black Latch	
SL3W	Sliding White Latch	
IG21	Insulated Ground Bar Kit	
Truck-Kit	Contractor Truck Kit	
TRIMSCK1Z	Screws for trims "Zink"	
CIRNOLA32	Circuit labels up to 32 circuits for SEQ 125A	
CIRNOLA40	Circuit labels up to 40 circuits	
CIRNOLA60	Circuit labels up to 60 circuits	
DIRLBLK-EQLSEQ	Directory labels EQL, SEQ	
DIRLBLK-SM	Directory labels SEQ side mounted NMMB	
DIRLBLKSEQ60	Directory Card "Package of 25"	
MAINLBLK-EQLSEQ	Replacement Main Label Kit SEQ-EQL	
TUP-RA236QF	White Powder Coat Spray Paint	
TUP-PL126Q	Grey Powder Coat Spray Paint	

©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).

Loadcentres

Accessories for SNC Loadcentres

Selection

Catalogue Number	Description	Std Pkg.
Screws		
ECTS2	LC Trim Screws	6
ECTS2W	LC Trim Screws White	6
Neutral Lug Kit		
ECLKB1	Neutral Lug Kit With Bond Tab	1
ECLK1	Neutral Lug Kit With Bond Tab	1
ECLK1-2	Neutral Lug Kit #4-#2/0	1
ECLK2	Neutral Lug Kit #4-#1/0	1
ECLK2N	Neutral Lug Kit 100-125A	1
ECLK3	Neutral Lug Kit 100-125A	1
ECLK3N	Neutral Lug Kit 150A-225A	1
ECLK2125	125A Sub Feed Lugs (Uses 2 Spaces)	1
ECLK2225	150A-225A Sub Feed Lugs (Uses 4 Spaces)	1
ECNB10N	Left Hand Neutral Bar Kit, 10 position	1
ECNBX6	Neutral Extension Bar Kit, 6 Position	1
ECNBX10	Neutral Extension Bar Kit, 10 Position	1
ECNBX15	Neutral Extension Bar Kit, 15 Position	1
Ground Bar Kit		
EC1GB8	Ground Bar Kit - 8 Pos	1
EC1GB82	Ground Bar Kit - 8 Pos, 2/0 Lug	1
EC2GB12	Ground Bar Kit - 12 Pos	1
EC2GB122	Ground Bar Kit - 12 Pos, 2/0 Lug	1
EC2GB15	Ground Bar Kit - 15 Pos	1
EC2GB152	Ground Bar Kit - 15 Pos, 2/0 Lug	1
EC2GB8B2	Ground Bar Kit - 8 Pos, 2/0 Lug	1
EC2GB12B2	Ground Bar Kit - 12 Pos, 2/0 Lug	1
EC2GB15B2	Ground Bar Kit - 15 Pos, 2/0 Lug	1
EC3GB21	Ground Bar Kit - 21 Pos	1
EC3GB212	Ground Bar Kit - 21 Pos, 2/0 Lug	1
EC3GB21B2	Ground Bar Kit - 21 Pos, 2/0 Lug	1
EC3GB27	Ground Bar Kit - 27 Pos	1
EC3GB272		1
EC3GB27B2	Ground Bar Kit - 27 Pos, 2/0 Lug	1
EC3GB30	Ground Bar Kit - 30 Pos	1
EC3GB302	Ground Bar Kit - 30 Pos, 2/0 Lug	1
EC3GB35	Ground Bar Kit - 35 Pos	1
EC3GB352	Ground Bar Kit - 35 Pos, 2/0 Lug	1
EC3GB352G	Ground Bar Kit - 35 Pos, 2/0 Lug	1
Main Breaker Kit		
MBK100A	Main Breaker Kit 100A	1
MBK125A	Main Breaker Kit 125A	1
MBK150A	Main Breaker Kit 150A	1
MBK200A	Main Breaker Kit 200A	1
MBK225A	Main Breaker Kit 225A	1
MBK225HR	Main Breaker Kit 225A, 3PH 240V 65K, OR	1
HMBK125HR	Main Breaker Kit 125A 3PH 240V 100K, OR	1
HMBK150HR	Main Breaker Kit 150A 3PH 240V 100K, OR	1
HMBK175HR	Main Breaker Kit 175A 3PH 240V 100K, OR	1
HMBK200HR	Main Breaker Kit 200A 3PH 240V 100K, OR	1
HMBK225PH	Main Breaker Kit 225A 3PH 240V 100K, OR	1
ECMLK125	1P Main Lug Kit 100-125A	1
ECMLK225	1P Main Lug Kit 150-225A	1

Catalogue Number	Description	Std Pkg.
Lock Kits		
ECQFL2	Flush Lock Kit for ULT., PL, ES, 3Ph, 100A-225A	1
Miscellaneous		
ECSS1	Collar Strap for GRD Bars #14-10	1
ECSS2	Collar Strap for GRD Bars #6-250	1
ECRLK250	Riser Lug Kit 250 kcmil	1
ECSLK225	2/0 Lug for 125A & Neutral Feeder	1
EC AFL	Arc Flash Label	10
ECLATCH	Siemens LC Latches	25
ECSELATCH	Siemens LC Latches - WHITE	25
ECSELATCHH	Siemens LC Latches - GREY	100
ECADHLCDIRLBL	Adhesive Directory Labels	100
ECLCHINGE	Load Center Hinge	100
ECLCHINGEW	Load Center Hinge - WHITE	100
ECBONDSCRW	LC Bond Screw	25
ECSK2225	Lug Kits. (150 - 225A) 2P Sub feed lugs-uses 4 spaces	1
ECSIELATCH	Load Center Latch	25
ECSIELATCHW	Load Center Latch - White	25
ECLK2SC	2/0 Lug for 125A neutral feeder	1
ECQFL2	Flush Lock Kit	1
ECSMK1	Surface Mount 1/4" Space Kit for LC's	4
ECQF3	Filler Plate	1
Breaker Position Kits		
ECSBPBK01	For use in load centers that will accept 2-pole breakers opposite one another	1
ECSBPBK02	For load centers that will accept 2- or 4-pole next to 2-pole circuit breakers side by side	1
ECSBPBK05	For load centers that will accept a QNR (MD-T) breaker next to a 2-pole breaker	1
ECSBPBK06	For use with one QN (MD-T) and one QNR (MD-T) breaker next to each other	1
ECSBPBK07	For use with two QN (MD-T) breakers side-by-side	1

1
LOADCENTRES

Loadcentres

Accessories and Replacement Parts

Selection



1
LOADCENTRES

SEQ Loadcentres

	# of Circuits	Catalogue Number	Door Kit		Door & Trim	
			Grey	White	Grey	White
 Door Kit	12/24	SEQ12060SM	DK1216SM-1	DK1216SM-1W	DK12SM	DK12SMW
	16/32	SEQ16060SM			DK16SM	DK16SMW
	24/48	SEQ24060SM	DK24SM-1	DK24SM-1W	DK24SM	DK24SMW
	12/24	SEQ12100SM	DK1216SM-1	DK1216SM-1W	DK12SM	DK12SMW
	16/32	SEQ16100SM			DK16SM	DK16SMW
 Door & Trim	24/28	SEQ24100SM SEQ24125SMK SEQ24125SM	DK24SM-1	DK24SM-1W	DK24SM	DK24SMW
	24/48	SEQ24150 SEQ24200	N/A	N/A	DKS24-2A	DKS24-2AW
	32/64	SEQ32100SM SEQ32125SM	DK32SM-1	DK32SM-1W	DK32SM	DK32SMW
	32/64	SEQ32150 SEQ32200	N/A	N/A	DKS32-2A	DKS32-2AW
	40/80	SEQ40100 SEQ40125	N/A	N/A	DKS40-1A	DKS40-1AW
	40/80	SEQ40150 SEQ40200	N/A	N/A	DKS40-2A	DKS40-2AW
	60/120	SEQ60200	N/A	N/A	DKS60-2A	DKS60-2AW

SEQ Loadcentres

 Main Breaker Cover	# of Circuits	Catalogue Number	Main Breaker Cover		Branch Breaker Cover	
			Grey	White	Grey	White
 Branch Breaker Cover	12/24	SEQ12060SM	DKMCSM	DKMCSMW	SEQ12060SM-T	SEQ12060SM-TW
	16/32	SEQ16060SM			SEQ16060SM-T	SEQ16060SM-TW
	24/48	SEQ24060SM			SEQ24060SM-T	SEQ24060SM-TW
	12/24	SEQ12100SM			SEQ12100SM-T	SEQ12100SM-TW
	16/32	SEQ16100SM			SEQ16100SM-T	SEQ16100SM-TW
	24/28	SEQ24100SM SEQ24125SMK SEQ24125SM			SEQ24100SM-T	SEQ24100SM-TW
					SEQ24125SM-T	SEQ24125SM-TW
			SEQ24125SM-T	SEQ24125SM-TW		
	24/48	SEQ24150 SEQ24200	N/A ^①	N/A ^①	SEQ24-TA	SEQ24-TAW
	32/64	SEQ32100SM SEQ32125SM	DKMCSM	DKMCSMW	SEQ32100SM-T	SEQ32100SM-TW
	32/64	SEQ32150 SEQ32200	N/A ^①	N/A ^①	SEQ32125SM-T	SEQ32125SM-TW
					SEQ32-T	SEQ32-TW
40/80	SEQ40100 SEQ40125	SEQ40100-T			SEQ40100-TW	
40/80	SEQ40150 SEQ40200	SEQ40-T			SEQ40-TW	
60/120	SEQ60200	SEQ60-T			SEQ60-TW	

① Branch Breaker Cover part covers the main breaker area and branch circuits.

SNC Loadcentres

Accessories and Replacement Parts

Selection

# of Circuits	Catalogue Number	SNC Trim & Door Kit	
		Grey	White
Main Lug Only			
12/24	SNC1224L1125	RSCT1224L1125	N/A
16/32	SNC1632L1125	RSCT1632L1125	N/A
24/48	SNC2448L1125	RSCT2448L1125	N/A
30/48	SNC3048L1200	RSCT3048L1200	N/A
40/60	SNC4060L1200	RSCT4060L1200	N/A
12/24	SNC1224L1125W	N/A	RSCT1224L1125W
16/32	SNC1632L1125W	N/A	RSCT1632L1125W
24/48	SNC2448L1125W	N/A	RSCT2448L1125W
30/48	SNC3048L1200W	N/A	RSCT3048L1200W
40/60	SNC4060L1200W	N/A	RSCT4060L1200W
Main Breaker Loadcentre			
12/24	SNC1224B1100	RSCT1224B1100	N/A
16/32	SNC1632B1100	RSCT1632B1100	N/A
24/48	SNC2448B1100	RSCT2448B1100	N/A
24/48	SNC2448B1125	RSCT2448B1125	N/A
24/48	SNC2448B1150	RSCT2448B1150	N/A
24/48	SNC2448B1200	RSCT2448B1200	N/A
30/48	SNC3048B1100	RSCT3048B1100	N/A
30/48	SNC3048B1125	RSCT3048B1125	N/A
30/48	SNC3048B1150	RSCT3048B1150	N/A
30/48	SNC3048B1200	RSCT3048B1200	N/A
40/60	SNC4060B1150	RSCT4060B1150	N/A
40/60	SNC4060B1200	RSCT4060B1200	N/A
42/60	SNC4264B1200	RSCT4264B1200	N/A
54/82	SNC5482B1200	RSCT5482B1200	N/A
12/24	SNC1224B1100W	N/A	RSCT1224B1100W
16/32	SNC1632B1100W	N/A	RSCT1632B1100W
24/48	SNC2448B1100W	N/A	RSCT2448B1100W
24/48	SNC2448B1125W	N/A	RSCT2448B1125W
24/48	SNC2448B1150W	N/A	RSCT2448B1150W
24/48	SNC2448B1200W	N/A	RSCT2448B1200W
30/48	SNC3048B1100W	N/A	RSCT3048B1100W
30/48	SNC3048B1125W	N/A	RSCT3048B1125W
30/48	SNC3048B1150W	N/A	RSCT3048B1150W
30/48	SNC3048B1200W	N/A	RSCT3048B1200W
40/60	SNC4060B1150W	N/A	RSCT4060B1150W
40/60	SNC4060B1200W	N/A	RSCT4060B1200W
42/60	SNC4264B1200W	N/A	RSCT4264B1200W
54/82	SNC5482B1200W	N/A	RSCT5482B1200W

Loadcentres

Accessories and Replacement Parts

Selection

INSTA WIRE™

LOADCENTRES

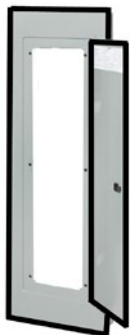
EQL Loadcentres

	# of Circuits	Catalogue Number	Door Kit	
			Grey	White
	2/6	EQL260S	N/A	N/A
	4/8	EQL4100		
	8/16	EQL8100D	DK8-A	DK8-AW
	12/24	EQL12125D	DK12-A	DK12-AW
	16/32	EQL16125D	DK16-A	DK16-AW
	24/48	EQL24125D	DK24-A	DK24-AW
	32/64	EQL32200D	DKL32-2A	DKL32-2AW
	40/80	EQL40200D	DKL40-2A	DKL40-2AW

EQ3 & EQ4 Loadcentres

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

EQ3 & EQ4 Service Entrance Rated

	# of Circuits	Catalogue Number		Door Kit	
		EQ3	EQ4	Grey	White
	24	EQ324BQ125	EQ424BQ100	DKEQ24BQ	N/A
	32	EQ332BQ125	N/A	DKEQ42	N/A
	42	N/A	EQ442QR100	DKEQ42QR	N/A
			EQ442QR125 EQ442QR125C EQ442QR150 EQ442QR200	DKEQ42QR	N/A

Loadcentres

Accessories and Replacement Parts

Selection

1
LOADCENTRES

EQL Loadcentres

	# of Circuits	Catalogue Number	Door Kit	
			Grey	White
	2/6	EQL260S	N/A	N/A
	4/8	EQL4100		
	8/16	EQL8100D	DK8-A	DK8-AW
	12/24	EQL12125D	DK12-A	DK12-AW
	16/32	EQL16125D	DK16-A	DK16-AW
	24/48	EQL24125D	DK24-A	DK24-AW
	32/64	EQL32200D	DKL32-2A	DKL32-2AW
	40/80	EQL40200D	DKL40-2A	DKL40-2AW

SNC Loadcentres

	# of Circuits	SNC Catalogue Number	SNC Door Kit	
			Grey	White
	12/24	US2:SNC1224L1125	US2:RSCT1224L1125	US2:RSCT1224L1125W
	16/32	US2:SNC1632L1125	US2:RSCT1632L1125	US2:RSCT1632L1125W
	24/48	US2:SNC2448L1125	US2:RSCT2448L1125	US2:RSCT2448L1125W
	30/48	US2:SNC3048L1200	US2:RSCT3048L1200	US2:RSCT3048L1200W
	40/60	US2:SNC4060L1200	US2:RSCT4060L1200	US2:RSCT4060L1200W
	12/24	US2:SNC1224L1125W	US2:RSCT1224L1125	US2:RSCT1224L1125W
	16/32	US2:SNC1632L1125W	US2:RSCT1632L1125	US2:RSCT1632L1125W
	24/48	US2:SNC2448L1125W	US2:RSCT2448L1125	US2:RSCT2448L1125W
	30/48	US2:SNC3048L1200W	US2:RSCT3048L1200	US2:RSCT3048L1200W
	40/60	US2:SNC4060L1200W	US2:RSCT4060L1200	US2:RSCT4060L1200W

EQ3 & EQ4 Loadcentres

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

EQ3 & EQ4 Service Entrance Rated

	# of Circuits	Catalogue Number		Door Kit	
		EQ3	EQ4	Grey	White
	24	EQ324BQ125	EQ424BQ100	DKEQ24BQ	N/A
	32	EQ332BQ125	N/A	DKEQ42	N/A
	42	N/A	EQ442QR100	DKEQ42QR	N/A
			EQ442QR125 EQ442QR125C EQ442QR150 EQ442QR200	DKEQ42QR	N/A

Loadcentres

Accessories and Replacement Parts

Selection

1
LOADCENTRES



Neutral Lug Kit, **ECLK1-2**
wire range — #2-1 AWG
Cu or Al



2 PH Main Lug Conversion Kit
150A-225A
ECMLK225



Main Breaker Kit
200A - 225A, 1PH 22K
MBK200A



Collar Strap
For use on
Ground Bar only
ECCS1; ECCS2



Neutral Lug Kit, **ECLK3**
wire range — #1-300 MCM
Neutral Lug Kit, **ECLK2**
wire range — #4-#2/0 AWG
Cu or Al



Filler Plate, **ECQF3**



Add-A-Lock
(Flush Lock), **ECQFL2**
PN, SN, PL, ES, Ultimate Load
Centers and EQ III up to 225A

Prevents dangerous feedback between two sources of power

Manual Transfer Interlock Kits^①

Catalog number	Usage Information	Utility main breaker types	Standby main breaker types	Interlock Number
 ECSBPK01	For use on load centers or meter combinations that will accept 2-pole circuit breakers opposite one another as shown.	QP, QPH, HQPH	QP, QPH, HQPH	1 
 ECSBPK02	For use on load centers or meter combinations that will accept 2- or 4-pole next to a 2-pole circuit breaker side by side as shown.	QP, QPH, HQPH	QP, QPH, HQPH	2 
 ECSBPK05	For use on load centers or meter combinations that will accept a QNR (MD-TR) frame circuit breaker next to a 2-pole circuit breaker as shown.	QNR, QNRH, HQNR	QP, QPH, HQPH	5 
 ECSBPK06	For use on load centers or meter combinations that will accept a QN (MD-T) frame circuit breaker next to a 2-pole circuit breaker as shown.	QN, QNH, HQN	QP, QPH, HQPH	6 
 ECSBPK07	For use on load centers or meter combinations that will accept two QNR (MD-TR) circuit breakers side by side as shown OR will accept two QN (MD--T) circuit breakers side by side as shown.	QNR, QNRH, HQNR, QN, QNH, HQN	QNR, QNRH, HQNR QN, QNH, HQN	7 

^① Manual breaker interlock kits are attached to the breakers not the trim of the load center.

Load Management System

Avoid unnecessary costly upgrades

The Inhab™ Load Manager allows you to add an EV charger or other large loads to your home, all without the need for costly panel and utility service upgrades.

The Load Manager connects in-line with an electrical load and intelligently controls power to the load based on available electrical capacity at the panel. When the electrical panel reaches the maximum energy consumption threshold, the load is temporarily disconnected from the panel to prevent a panel overload condition. Once the system determines that there is enough available electrical capacity to resume load operation, the load manager automatically reconnects power to the load.

Key benefits:

- Avoid costly electrical panel and service upgrades to add an EV to your home
- Prevent electrical overloads by only charging EV when there is available capacity
- Use with any EV charger brand or other large load that requires a circuit breaker up to 60A
- Easily installs in new or existing homes with panel feeds up to 225A
- Reduce new construction costs and electrical service size by excluding Load Manager circuit from load calculations

Order Information

Description	Catalog number
Inhab™ Load Manager	LM1160

Specifications

Load Ratings	Phases	Single phase
	Amp rating	48A (Fed from feeder breaker max 60A)
	Voltage	240V AC
	Frequency	60 Hz
Measurement - CT Current Sensors	Amp rating	225A
Construction	Enclosure	Outdoor Enclosure - NEMA Type 3R - Gray



1 Product Summary

The Siemens Intelli-Arc™ Diagnostic Tool is a specialized testing device designed for use with Siemens Combination Type Arc Fault Circuit Interrupters (CAFCI). It is an intuitive device that allows you to quickly and safely identify the root cause of faults and nuisance tripping in a branch circuit. The Intelli-Arc does so by indicating when RF noise levels are high and displaying all relevant data within its dedicated mobile application.

Key benefits:

- **Advanced solution at your fingertips:** Find the solution to your arc faults, ground faults, overcurrent faults. Ensure the safety of appliances and loads.
- **Easy-to-use mobile app:** See circuit levels on an easy-to-read dashboard on your mobile phone. Check the current and voltage level of your home electrical installation.
- **Advanced level of available information:** For complex situations, see detailed waveforms of voltage, current, and high frequency noise, with the ability to share waveforms with technical support for troubleshooting.
- **Durability:** Robust, safe product with power cord and receptacle option for use at any home receptacle. Cables for electrician to use at the Load Center
- **Compact & Easy to Use:** Handheld, battery-operated tool designed for convenience on job sites.
- **Improved Safety:** Ensures installed AFCI devices are protecting against arc faults as intended, helping prevent potential electrical hazards.

Technical Specifications:

- **Tool Compatibility:**
Siemens Combination Type AFCI breakers
- **Functionality:**
Simulates parallel and series arc fault conditions for breaker diagnostic verification
- **Power Source:**
9V battery (included)
- **Indicator Display:**
LED indicators for test status and diagnostic results
- **Operating Environment:**
Indoor use, 0°C to 40°C (32°F to 104°F)
- **Certifications:**
CSA and UL Listed
- **Part Number:**
IDT6000

Order Information

Description	Catalog number
Intelli-Arc™ Diagnostic Tool	IDT6000



Loadcentres Surge Protection

BoltShield™ Surge Protective Devices

Selection

QSPD series for loadcentres

Surge Protective Devices (SPDs) provide the best protection from both externally and internally generated surges when located as close to the building distribution system as possible. For cost and space reasons many buildings only include one SPD located at the main incoming loadcentre and do not cascade SPDs throughout the building as recommended by IEEE. The new Siemens QSPD series of SPDs are economical and easy to install in most panels throughout a building so that whole facility protection can be obtained.

Features & Benefits

- UL 1449 SPD Type 1[Ⓢ]
- Monolithic distribution grade MOV
- Thermally protected MOV
- 65kA surge current protection per phase
- 20kA I-nominal ratings
- 200kA SCCRs
- 10 year standard warranty
- Audible Alarm

Product specifications

General specifications	
Maximum surge current rating range	65kA per phase
UL Type designation	SPD Type 1*
UL 1449 I-nominal rating	20kA
UL 1449 short circuit current rating	200kA
Repetitive impulse	5,000 hits
Response time	<1 ns

Physical specifications	
Humidity range	0-95% non-condensing
Operating frequency	0-415Hz
Operating temperature	-25°C to +60°C
Dimensions in inches (mm)	2 pole 3 (77.9) x 2 (50.4) x 2.6 (65.3)
	3 pole 3 (77.9) x 3 (75.2) x 2.6 (65.3)
Weight	2 pole 0.64 lbs (237 g)
	3 pole 0.71 lbs (335 g)
Neutral/ground connection	#14 AWG (pre-wired)



Diagnostic monitoring specifications
Green/red visual mechanical flag failure indicators
Flashing dual colour led (green/red) status indicator
Audible alarm w/ silence switch/button

Design specifications
Monolithic distribution grade MOV
Integrated optimized thermal protection
Fits in footprint of Siemens QP breaker
Modes of protection (L-N or L-G, L-L)

[Ⓢ] Type 1 SPDs suitable for use in Type 2 applications

Loadcentres Surge Protection

BoltShield™ Surge Protective Devices

Selection

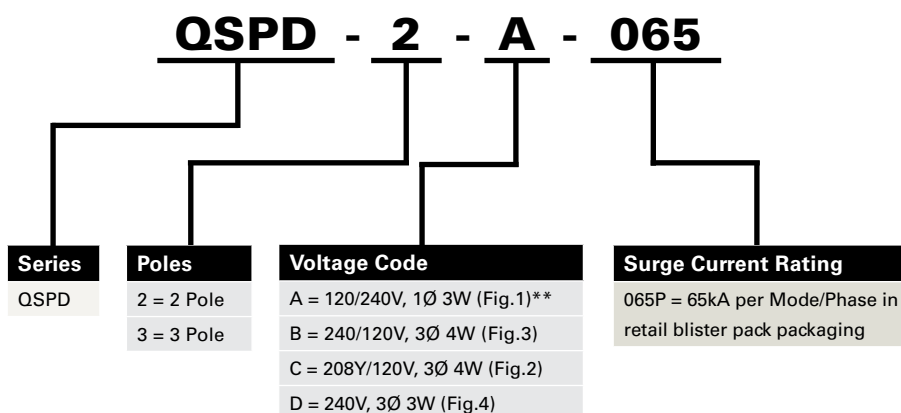
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LOADCENTRES

UL 1449 performance data and ordering information							
System voltage	L-N (L-G)	L-L	I _n	SCCR	MCOV	Catalog numbers	Siemens breaker form factor
120/240V, 1Ø, 3W**	600V	1000	20kA	200kA	150V	QSPD2A065P*	2-P, Type Q Plug-In
240/120V, 3Ø, 4W	600V/900V	1200	20kA	200kA	150V	QSPD3B065	3-P, Type Q Plug-In
208Y/120V, 3Ø, 4W	600V	1000	20kA	200kA	150V	QSPD3C065	3-P, Type Q Plug-In
240V, 3Ø, 3W	900V	1500	20kA	200kA	280V	QSPD3D065	3-P, Type Q Plug-In
*QSPD2A065P comes in retail style blister pack packaging.							
**Can also be used on 208Y/120V, 1Ø, 3W System.							

Standards compliance and certifications	
UL 1449 5 th Edition, cUL, UL 96A compliant, CSA C22.2 No 269.1 & .2, ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, NEC Article 285	
ISO 9001:2014 quality management system, ISO 17025:2007 laboratory certification (UL DAP Program) , 100% quality tested prior to shipping	

Catalogue Number Logic



**Can also be used on 208Y/120V, 1Ø, 3W System

Benefits of installing multiple QSPDs

Adding multiple QSPDs in a single load center can increase the modes of protection and the surge capacity. See the Boltshield brochure for more details and review the example chart below:

Number of QSPDs	Connection	Modes of protection	Surge current capacity per mode	Surge current capacity per phase
1	Neutral	3	65kA	65kA
2	Neutral + Ground	6	65kA	130kA
2	Neutral	3	130kA	130kA
3	Neutral(2) + Ground(1)	6	130kA(L-N) + 65kA (L-G)	195kA
3	Ground	3	195kA	195kA
4	Neutral(2) + Ground(2)	6	130kA	260kA

Loadcentres Surge Protection

Power Service Entrance Surge Protection

Selection

Total Home Protection

Siemens believes today's residential surge protectors come up short when protecting today's modern home filled with smart appliances and electronics.

This is why we developed commercial class total home surge protectors. These electrical system surge protectors are sized for where you live. They will let you know when there is something wrong or when they are worn out.

Know You're Protected:

3 Stage Commerical Grade Notification

When there is a problem, Siemens surge protector takes the guesswork out of knowing when it is time to be replaced. What will you see and hear when this occurs?

Audible Alarm: Beeps (available in select models)
Green LED(s): Extinguish(es)
Red Service Light: Flashes (available in select models)

Ground Reference Monitoring (GRM)

Selected models of surge protectors are GRM-equipped notifying you a rare safety hazard exists due to a compromised electrical system neutral to ground bond. What will you see and hear when this occurs?

Audible Alarm: Beeps (available in select models)
Green LED(s): Remains Lit
Red Service Light: Flashes (available in select models)

BoltShield™ FSPD

FSPD's are a line of surge protective devices for residential and commercial solutions. Listed as type 2 devices, the balanced defense and robustness provide assurance to property owners that their modern homes, buildings and appliances are fully protected.

Material ID	Surge current rating
FSPD036	36kA
FSPD060	60kA
FSPD100	100kA
FSPD140	140kA

FSPD036 Specifications

Design
Custom MOV design for high energy handling in Category C locations
Thermally protected MOV's
External parallel connected for mounting to electrical gear
Reduced mode of protection (L1-n, L2-N)
Diagnostic and Monitoring
LED Protection Status Monitoring (Single LED Standard)

FSPD060, FSPD100, FSPD140 Specifications

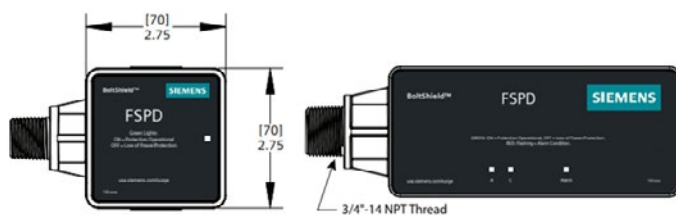
Design
Custom MOV design for high energy handling in Category C locations
Thermally protected MOV's
External parallel connected for mounting to electrical gear
All modes of protection (L-N, L-G, N-G)
Diagnostic and Monitoring
Phase Loss Monitoring (Standard)
Audible Alarm (Standard)
Form C Dry Contact, 240V, 2A (Standard)
2 GREEN LEDs - one for each Line disconnect
1 RED LED - flashes if fault condition:
GRM (Ground Reference Monitoring), N-G voltage > 20V detected.

Features & Benefits

- Surge current capacity – the FSPD offers different surge protector sizes based upon geographic location and thunderstorm activity.
- FSPD: 36kA, 60kA, 100kA and 140kA
- 3-Stage– when the device wears out, the protection status LEDs extinguish, an audible alarm beeps, and a red service light flashes to warn the property owner.
- Modes of protection – the electrical system's primary paired conductor combinations of L-N, L-G, and N-G are directly surge protected. Exception – the low cost FSPD036 has a reduced mode of protection (L1-N, L2-N).
- Ground reference monitoring – GRM diagnostics monitor the health of a unit's neutral to ground bond and alert the property owner if the bond becomes loose, preventing a potential safety issue.
- Safety – The FSPD can achieve UL1449 listed 100kA SCCR - one of the highest ratings for residential surge protection.
- Compatibility – device installs in any load center brand.
- FSPD060, FSPD100, FSPD140:
10-year product and connected equipment warranty.



Material ID	Voltage Code	System Voltage	L-N	L-G	L-L	N-G	MCOV
FSPD036	A		700	—	1200	—	
FSPD060, FSPD100, FSPD140	A	120/240, 1Ø, 3W	700	700	1200	700	150



Size and Mechanical Specifications (in.)

	FSPD036	FSPD060, FSPD100, FSPD140
Dimensions	4.25" x 2.41" x 2.75"	7.95" x 3.06" x 2.75"
Weight	0.46 lbs.	1.38 lbs.
Enclosure Type	Polycarbonate NEMA 4X	
Installation Type	Indoor/Outdoor	
Mounting Method	Flush/Flange/Through-hole	

Loadcentres

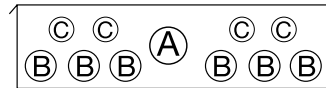
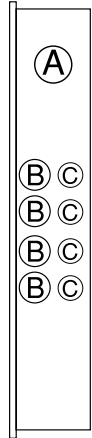
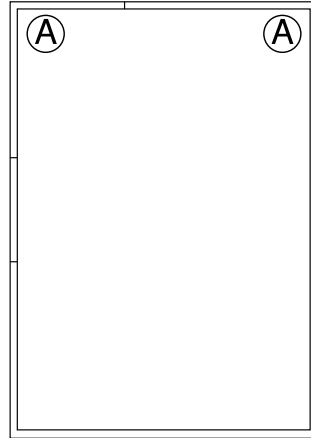
Knockout Data

Selection

1

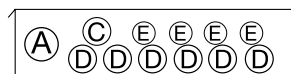
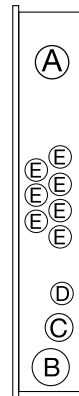
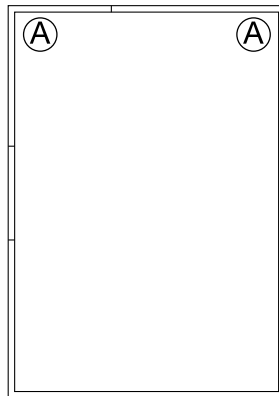
LOADCENTRES

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 EQG 8NSND	Box	6	6	6	4
	Top	1	6	4	2
	Bot.	1	6	4	2
EQG 10 EQL 16 EQG 12NSND	Box	6	8	8	4
	Top	1	6	4	2
	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"				

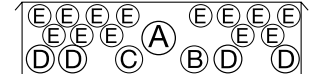


Top and Bottom

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

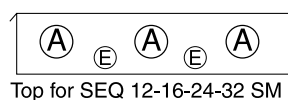
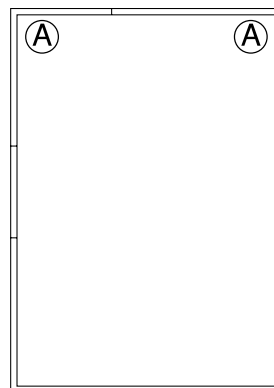
Knockout Data

Selection

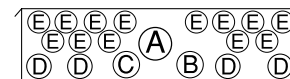
Service Entrance Loadcentres with Plug-in Breakers

1
LOADCENTRES

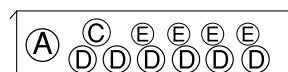
		K.O. Qty.				
		A	B	C	D	E
SEQ 12 SM	Box	4	2	0	10	8
SEQ 16 SM	Top	3	0	0	0	2
	Bot.	1	0	1	6	4
SEQ 24 SM	Box	4	2	-	18	16
SEQ 32 SM	Top	3	-	-	-	2
	Bot.	1	-	1	6	4
	Box	4	2	2	2	22
SEQ 24	Top	1	1	1	4	13
	Bot.	1	1	1	4	13
	Box	4	2	2	2	36
SEQ 32	Top	1	1	1	4	13
	Bot.	1	1	1	4	13
	Box	4	2	2	2	36
SEQ 40	Top	1	1	1	4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

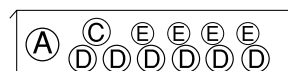


Top and Bottom for
SEQ 24-32, 40, 60

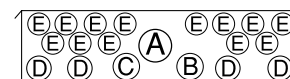


Bottom for SEQ 12-16-24-32 SM

Service Entrance Loadcentres (Type 3R) Bottom Only



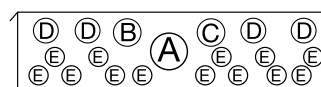
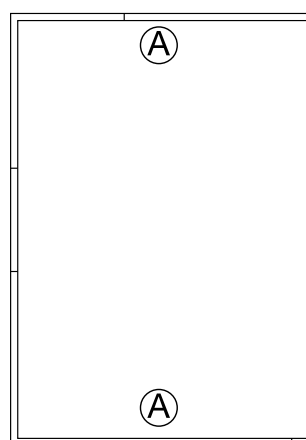
SEQ 16- 24- 32 SM



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"				

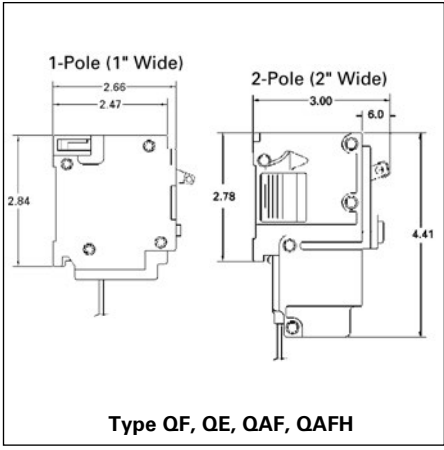
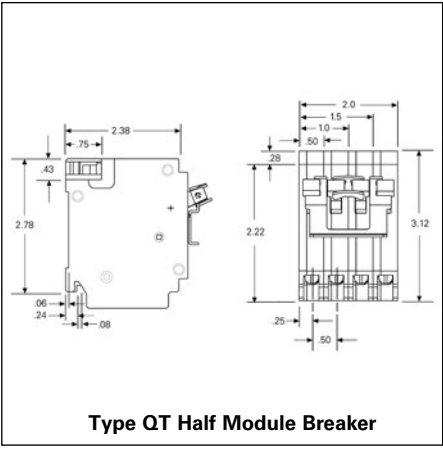
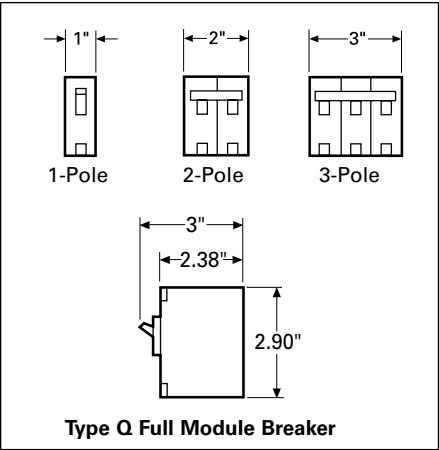


Top and Bottom

Loadcentres

Line Diagrams/Dimension Drawings for Circuit Breakers/Lug Data

Selection



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

