

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

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

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.

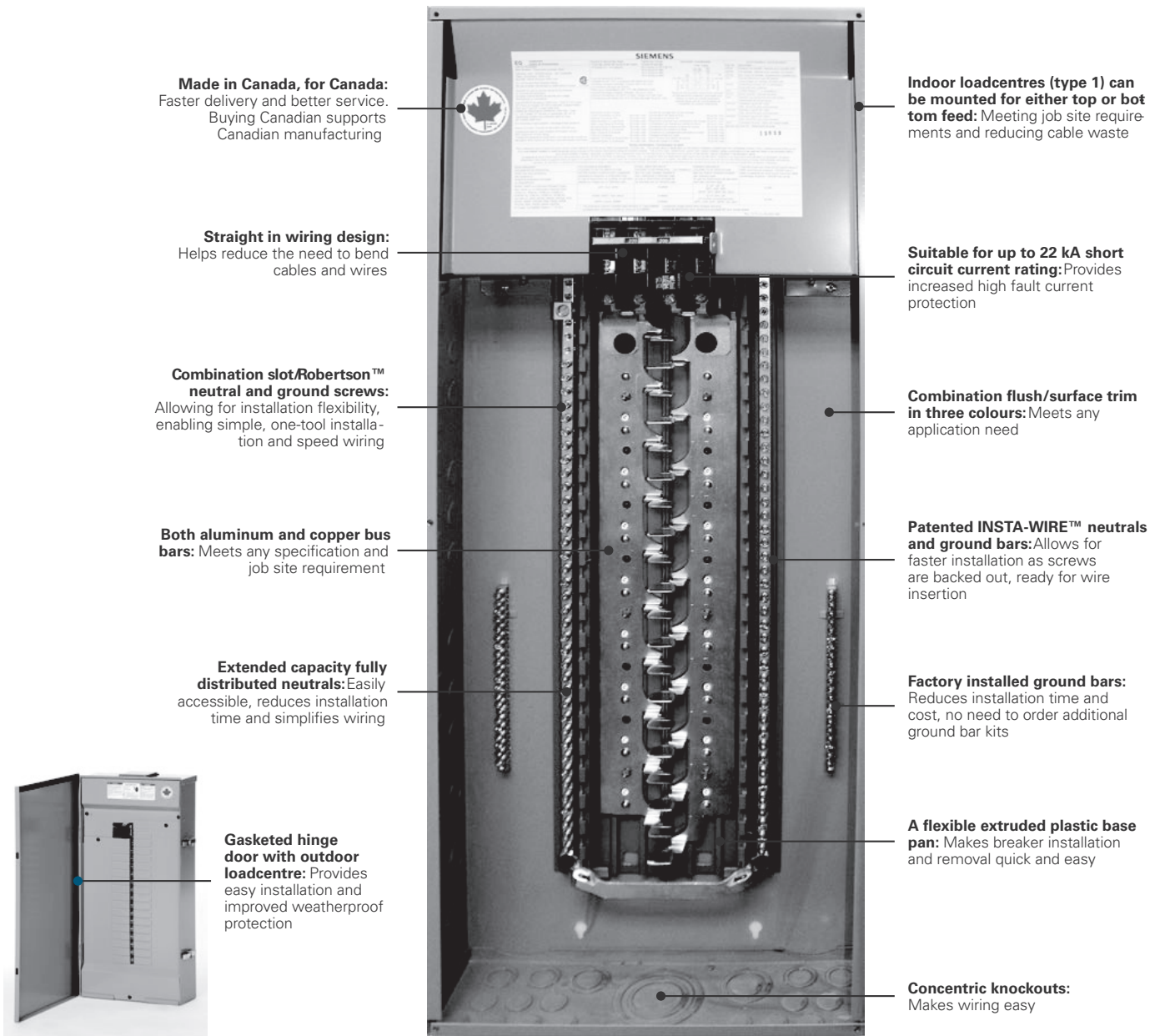
*Series rating labels on all loadcentres.

Circuit breaker



Loadcentres

Product Features and Customer Benefits



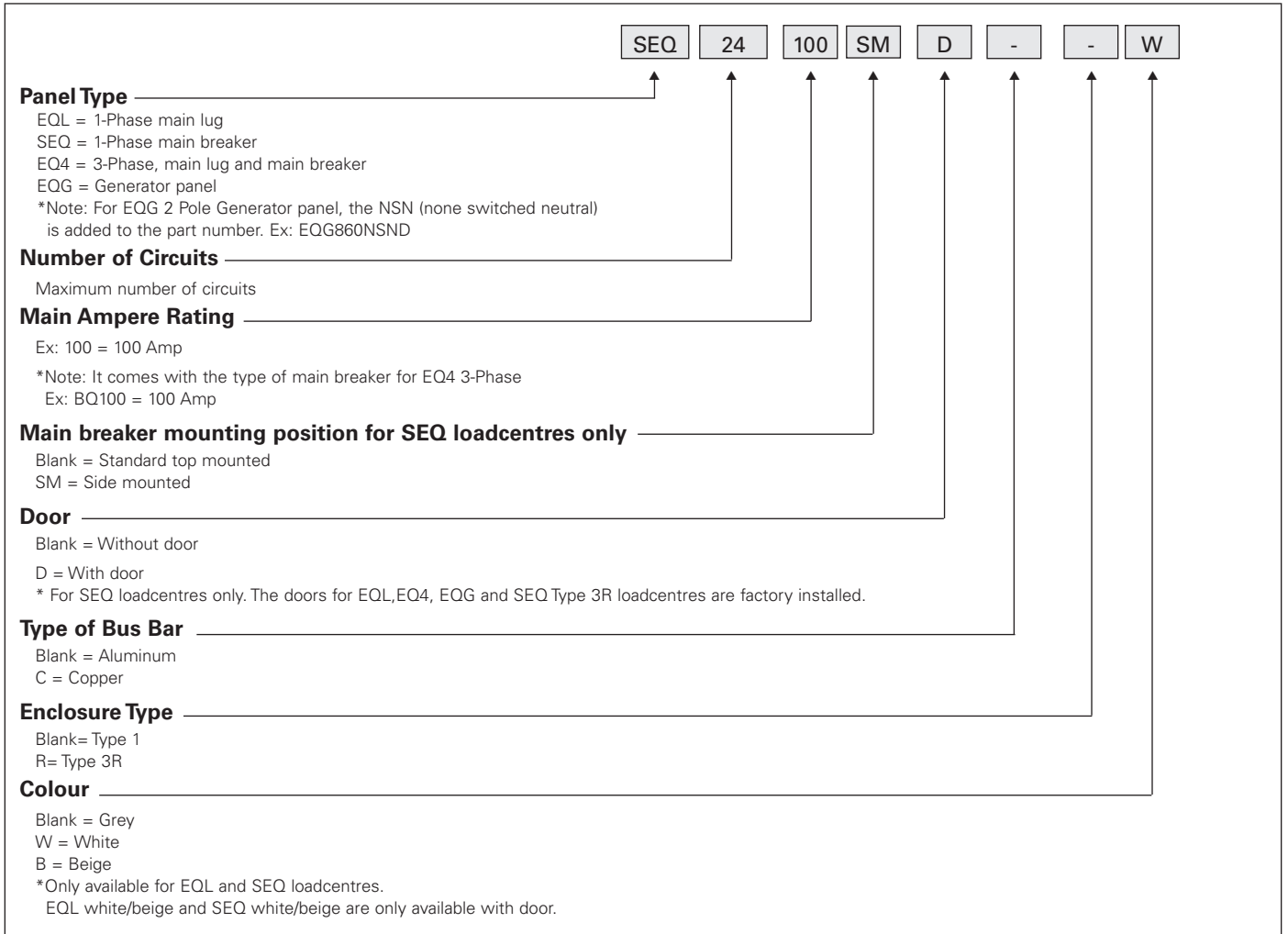
Features and Benefits

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



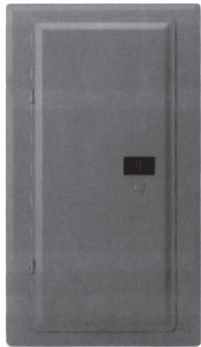
^① The Catalogue numbering system applies only to EQL, SEQ, SEQ Type 3R, EQ4 and EQG loadcentres.

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	17 ¹ / ₂ (444)	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.

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

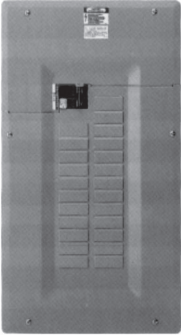
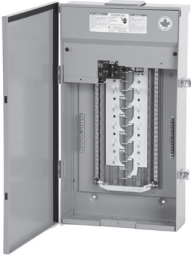

① Factory modification, see next page.

Loadcentres

EQL & SEQ Single Phase Main Lug & Main Breaker Loadcentres



Selection and Ordering Data

 <p>SEQ24125SM</p>	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 SEQ24125SMDB							
	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.													
EQL	Copper Bus	add suffix... C			EQL24125DC			4 weeks					
 <p>SEQ24100SMCR</p>	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)	13.6 (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)	13.6 (345)	5 (127)	6-2/0	surface only	N/A			
	24/48	SEQ24125SMCR	28	125	24 5/8 (625)	13.6 (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			
	32/64	SEQ32100SMCR	21	100	28 5/8 (726)	13.6 (345)	5 (127)	6-2/0	surface only	N/A			
	32/64	SEQ32125SMCR	21	125	28 5/8 (726)	13.6 (345)	5 (127)	6-2/0	surface only	N/A			
	32/64	SEQ32150CR	21	150	33 1/2 (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A			
	32/64	SEQ32200CR	21	200	33 1/2 (851)	15 (381)	5 (127)	6-250 MCM	surface only	N/A			
	40/80	SEQ40150CR	21	150	36 1/2 (927)	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: The SEQ Weatherproof panels are stocked complete with gasketed hinged door for improved weatherproof protection. All SEQ Type 3R panels come standard with copper bus.												
 <p>SEQ38200U</p>	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 SEQ38125U	27 27	100 125	36 (362)	14 1/4 (362)	4 (102)	6-250MCM	comb.	DKS38-1A			
SEQ38150U SEQ38200U		27 27	150 200	DKS38-2A									
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.													

Circuit Breakers

Type Q Plug-In Breakers

Selection and Ordering Data

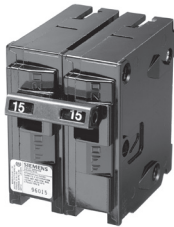
Selection



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	



Q115



Q215



Q315



Q1515NC



Q21515CTNC

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.

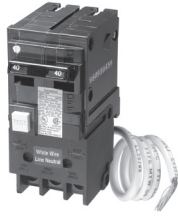
④ Requires 4 panel circuits, 2 adjacent and 2 opposite. Two twist outs should be only removed.

Loadcentres

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

Selection

Selection and Ordering Data



QF240



QE220



Q115AF

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

① 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"