SIEMENS

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Selection and Application Guide

PL and ES Series Load Centers™

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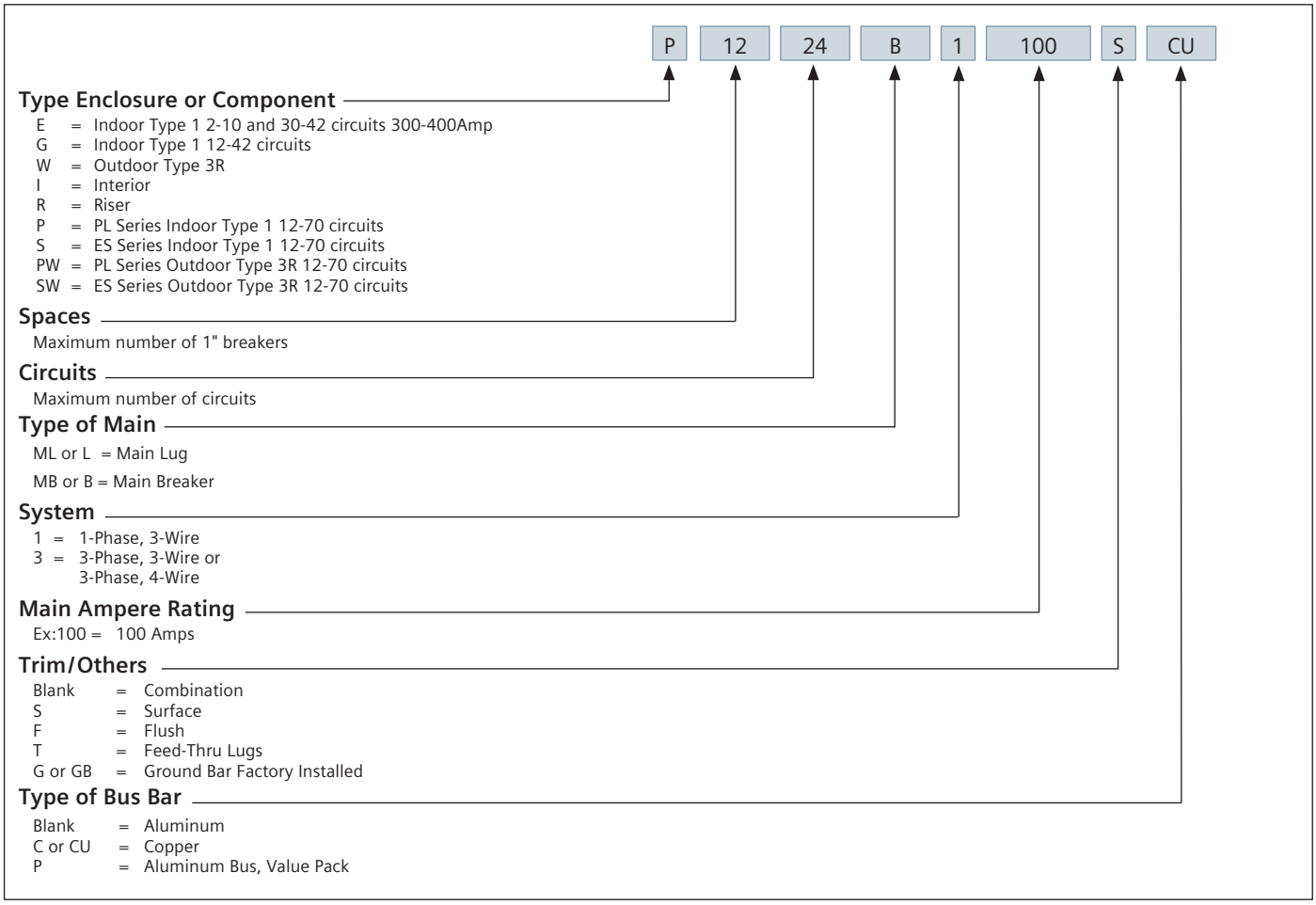
Load Centers

Table of contents

Load Centers

Catalog Numbering System



Products Shown In Sections 1 of this Speedfax Meet or Exceed the Following Standards.

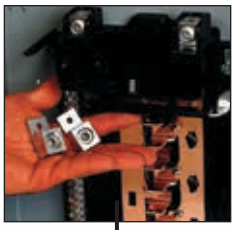
- UL50 — Electric Cabinets and Boxes
- UL67 — Electric Panelboards
- UL486 — Wire Connectors
- UL489 — Molded-Case Circuit Breakers
- UL869 — Service Equipment
- UL943 — Ground Fault interrupters (Class A — Personnel Protection)
- Federal Specification W-P-115b — Panel Power Distribution
- Federal Specification W-C-375B — Circuit Breakers
- NEC
- NEMA 250

Underwriters' Laboratories, Inc. Reference File Numbers:

- Series Connected Circuit Breaker Information is recognized by UL under file #E10848(N)
- Load Centers Listed by UL under file #E10703
- Load Centers UL recognized components found under file #E10703, Volume 6 and 7. (Also referenced under the recognized components directory — section QEUY2)
- EQ Circuit Breakers are Listed by UL under file #E82615

PL Series Load Centers

Features

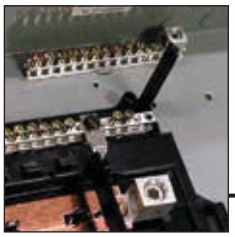


All devices convertible from main lug to main breaker and vice versa.

Invertible for bottom feed application.①

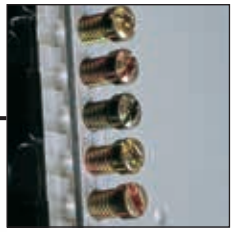
Mounting tabs on the trim hold it in place on the load center, freeing up both hands to drive the trim screws.

All devices are provided with 2 factory installed ground bars.



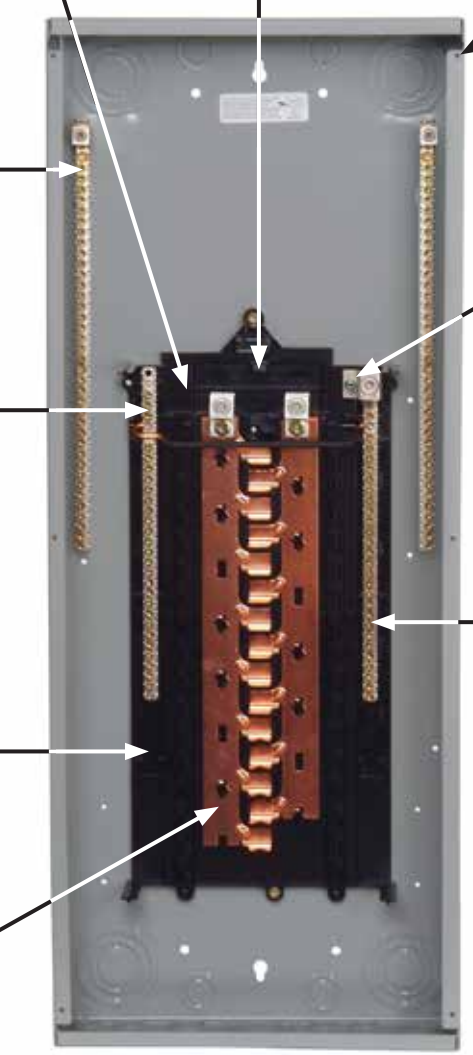
The pre-positioned bond screw eliminates bond strap/ screw assemblies, and reduces the risk of losing components in the field.

Combination head screw on the neutrals, ground, trim, upper pan, and bond screw provide installation flexibility.



The patented INSTA-WIRE™ neutral/ground system allows for faster installation because screws are backed out, ready for wire insertion. The visible neutral and grounds system aids in the insertion of conductors.

A rigid, sturdy base pan provides the ruggedness required for the most harsh applications.



Copper Bus

The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

PL Series Load Centers ship with trims packaged separately.

① Applies only to NEMA 1 ES and PL Load Centers

PL Series 1-Phase Main Lug & Main Breaker Load Centers

1-phase, 3-wire SN, 120/240 Volts AC

Main Breaker/Convertible Load Centers[1]
12-70 Circuits / 100-225 Amperes

Copper Bus[7]
22,000A IR[2]

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[3]	Catalog Number	Enclosure Height (inches)[4]
100	12	24	**P1224B1100CU**	18	**PW1224B1100CU**	21
100	16	24	**P1624B1100CU**	21	**PW1624B1100CU**	23
100	20	20	**P2020B1100CU**	24	**PW2020B1100CU**	27
100	20	24	**P2024B1100CU**	24	—	—
100	24	24	**P2424B1100CU**	24	—	—
100	30	30	**P3030B1100CU**	30	—	—
100	30	40	—	—	**PW3040B1100CU**	35
125	30	30	**P3030B1125CU**	30	**PW3040B1125CU**	35
150	20	30	**P2030B1150CU**	24	—	—
150	20	30	—	—	**PW2030B1150CU**	27
150	30	30	**P3030B1150CU**	30	—	—
150	30	40	—	—	**PW3040B1150CU**	35
200	20	40	**P2040B1200CU**	30	**PW2040B1200CU**	27
200	30	40	**P3040B1200CU**	36	**PW3040B1200CU**	35
200	30	40	**P3040B1200**[8]	36	—	—
200	40	40	**P4040B1200CU**	36	**PW4040B1200CU**	38
200	40	40	**P4040B1200**[8]	36	—	—
200	54	70	**P5470B1200CU**	44	—	—
225	42	60	**P4260B1225CU**	39	**PW4260B1225CU**	42
225	54	70	**P5470B1225CU**	44	—	—

Single phase factory installed 22kA IR main circuit breaker offers 22/10kA IR series combination rating when using 10kA type QP, QT, QPF, QE, QN, and QAF/QAFC branch breakers.

Main Lug/Convertible Load Centers[6]
12-70 Circuits / 125-225 Amperes

Copper Bus[7]
100,000A IR

Branch Circuits			Indoor Enclosure - NEMA Type 1		Outdoor Enclosure - NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[3]	Catalog Number	Enclosure Height (inches)[4]
125	12	12	**P1212L1125CU**[5]	18	**PW1212L1125CU**[5]	21
125	12	24	**P1224L1125CU**[5]	18	**PW1224L1125CU**[5]	21
125	16	24	**P1624L1125CU**	21	**PW1624L1125CU**	23
125	20	20	**P2020L1125CU**	24	—	—
125	20	24	**P2024L1125CU**	24	—	—
125	24	40	**P2440L1125CU**	24	—	—
125	30	40	**P3040L1125CU**	30	**PW3040L1125CU**	35
125	40	40	**P4040L1125CU**	36	—	—
150	20	30	**P2030L1150CU**	24	**PW2030L1150CU**	27
200	12	24	**P1224L1200CU**	24	**PW1224L1200CU**[5]	23
200	20	40	**P2040L1200CU**	30	**PW2040L1200CU**	27
200	24	40	**P2440L1200CU**	30	—	—
200	30	30	**P3030L1200CU**	36	—	—
200	30	40	**P3040L1200CU**	36	**PW3040L1200CU**	35
200	30	40	**P3040L1200**[8]	36	—	—
200	30	54	**P3054L1200CU**	36	**PW3054L1200CU**	35
200	40	40	**P4040L1200CU**	36	**PW4040L1200CU**	38
200	40	40	**P4040L1200**[8]	36	—	—
225	12	24	—	—	**PW1224L1225CU**	23
225	42	60	**P4260L1225CU**	39	**PW4260L1225CU**	42
225	54	70	**P5470L1225CU**	44	—	—

[1] Suitable for use as service equipment.

[2] May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.

[3] Indoor enclosures are 14 1/4" wide by 3 7/8" deep.

[4] Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.

[5] Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC®.

[6] 125A load centers will accept MBK100A and MBK125A. 150A load centers will accept MBK150A. 200A load centers will accept MBK200A and MBK150A. 225A load centers will accept MBK225A, MBK200A, MBK150A.

[7] Copper bus load centers are recommended for those applications where the environment may be severe (i.e. far and coastal areas).

[8] Includes all PL Series features with aluminum bussing.

PL Series Single Phase Special Application Load Centers

1-phase, 3-wire SN, 120/240 Volts AC

Split Ground Series Main Lug Convertible Load Centers — Copper Bus
12-60 Circuits / 125-200 Amperes — 60/75° Rated, 100,000A IR

Branch Circuits			Indoor Enclosure – NEMA Type 1	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)②
125	12	24	**P1224L1125CUSG**	18
125	16	24	**P1624L1125CUSG**	21
125	20	30	**P2030L1125CUSG**	24
125	24	30	**P2430L1125CUSG**	24
150	20	30	**P2030L1150CUSG**	24
200	30	40	**P3040L1200CUSG**	36
200	30	40	**P3040L1200SG**①	36
200	40	40	**P4040L1200CUSG**	36
200	40	40	**P4040L1200SG**①	36
225	40	60	**P4260L1225CUSG**	39

Split Ground Series Main Breaker Convertible Load Centers — Copper Bus
40 Circuits / 200 Amperes — 60/75° Rated, 22,000A IR③

Branch Circuits			Indoor Enclosure – NEMA Type 1	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)②
200	40	40	**P4040B1200CUSG**	36

Split Ground Load Centers have factory installed 100% neutral with factory bonded 75% ground. No neutral tie strap.

Outdoor Trailer Panels — Copper Bus
16 Circuits / 200 Amperes — 60/75° Rated, 22,000A IR

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Main Breaker		Enclosure Height (inches)④
200	8	16	**PW0816L1200TC**	MBK150A or MBK200A	Field Installed	23
200	8	16	**PW0816B1200TC**	MBK200A	Factory Installed	23

Load Centers with White Trim⑥ — Copper or Aluminum Bus⑦
40 Circuits / 200 Amperes — 60/75° Rated 22,000A IR

Branch Circuits			Indoor Enclosure - NEMA Type 1		
Amp Rating	Main Lug / Main Breaker	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)②
125	Main Breaker	30	30	**P3030B1125CUW**	33
200	Main Breaker	30	40	**P3040B1200W**	36
200	Main Breaker	40	40	**P4040B1200W**	36
200	Main Breaker	40	40	**P4040B1200CUW**	36

① Includes all PL Series features with aluminum bussing.

② Indoor enclosures are 14 1/4" wide by 3 7/8" deep.

③ May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.

④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.

⑤ Main lug panel rated 100,000A IR.

⑥ Load centers with white trim have increased lead time of 3-4 weeks. Sold in pallet quantites only.

⑦ Load centers with CUW suffix indicates copper bus with white trim. Load centers with W suffix only indicates aluminum bus with white trim.

PL Series Three Phase Main Lug & Main Breaker Load Centers

3-phase, 3-wire, 240 Volt AC or 3-phase, 4-wire, 120/240 or 120/208 Volts AC

Main Breaker/Convertible Load Centers — Copper Bus⑧⑩
30-70 Circuits / 100-225 Amperes — 22,000A IR①

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)③	Catalog Number	Enclosure Height (inches)④
100	12	24	**P1224B3100CU②**	24	—	—
100	30	42	**P3042B3100CU②**	30	—	—
125	30	30	**P3030B3125CU**	39	—	—
150	24	42	**P2442B3150CU**	36	—	—
150	42	42	**P4242B3150CU**	42	—	—
200	30	54	**P3054B3200CU**	39	**PW3054B3200CU**	38
200	42	60	**P4260B3200CU**	42	**PW4260B3200CU**	42
225	42	60	**P4260B3225CU**	42	—	—
225	42	60	**P4260B3225TCU⑥**	49	—	—
225	54	70	**P5470B3225CU**	49	—	—

Three phase factory installed 22ka IR main breaker offers 22/10kA series combination rating when using 10kA type QP, QT, QPF, QE, QN, and QAF/QAFC branch breakers.

Main Lug/Convertible Load Centers⑤ — Copper Bus⑧⑩
12-70 Circuits / 125-225 Amperes — 100,000A IR⑨

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)③	Catalog Number	Enclosure Height (inches)④
125	12	24	**P1224L3125CU⑦**	21	**PW1224L3125CU⑦**	21
200	24	42	**P2442L3200CU**	36	**PW2442L3200CU**	35
200	30	54	**P3054L3200CU**	39	**PW3054L3200CU**	38
225	42	60	**P4260L3225CU**	42	**PW4260L3225CU⑩**	42
225	54	70	**P5470L3225CU**	49	—	—

① May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.
② Back fed main breaker.
③ Indoor enclosures are 14 1/4" wide by 3 7/8" deep.
④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.
⑤ Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC®.
⑥ Includes factory installed feed through lugs and is also non-convertible.
⑦ Non-convertible to main breaker.
⑧ All load centers are provided with tin plated copper bus bars.
⑨ Rated 100,000A IR in series with breakers listed on wiring diagram.
⑩ All load centers are provided with tin-plated copper bus bars.

PL Series Three Phase Un-assembled Load Centers

3-phase, 3-wire, 240 Volt AC or 3-phase, 4-wire, 120/240 or 120/208 Volts AC

Main Breaker Convertible Un-assembled Load Centers
24-70 Circuits / 100-225 Amperes

Copper Bus⑤
22,000A IR①

Interiors				Enclosure		Trim Kit	
Amp Rating	No. of Spaces	No. of Circuits	Interior Catalog Number	Enclosure Height (inches)③	Enclosure Catalog Number	No. Breaker Spaces	Trim Catalog Number⑤
100	30	42	**PI3042B3100CU②**	30	**3PE30**	30	**PT3042B3100**
150	24	42	**PI2442B3150CU**	36	**3PE36**	24	**PT2442X3150**
200	30	54	**PI3054B3200CU**	39	**3PE39**	30	**PT3054X3200**
200	42	60	**PI4260B3200CU**	42	**3PE42**	42	**PT4260X3200**
225	54	70	**PI5470B3225CU**	49	**3PE49**	54	**PT5470X3225**

Main Lug Convertible Un-assembled Load Centers
12-70 Circuits / 125-225 Amperes

Copper Bus⑤
100,000A IR

Interiors				Enclosure		Trim Kit	
Amp Rating	No. of Spaces	No. of Circuits	Interior Catalog Number	Enclosure Height (inches)③	Enclosure Catalog Number	No. Breaker Spaces	Trim Catalog Number④
125	12	24	**PI1224L3125CU**	21	**3PE21**	12	**PT1224L3125**
200	24	42	**PI2442L3200CU**	36	**3PE36**	24	**PT2442X3200**
200	30	54	**PI3054L3200CU**	39	**3PE39**	30	**PT3054X3200**
225	42	60	**PI4260L3225CU**	42	**3PE42**	42	**PT4260X3225**
225	54	70	**PI5470L3225CU**	49	**3PE49**	54	**PT5470X3225**

① May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.
② Back fed main breaker.
③ Indoor enclosures are 14 1/4" wide by 3 7/8" deep.

④ Trim catalog numbers with a "B" indicate for use with main breaker and is not convertible. "L" indicates for use with main lug and is not convertible. "X" indicates can be used with convertible interior.

⑤ All load center interiors are provided with tin plated copper bus bars.

ES Series Load Centers

Features

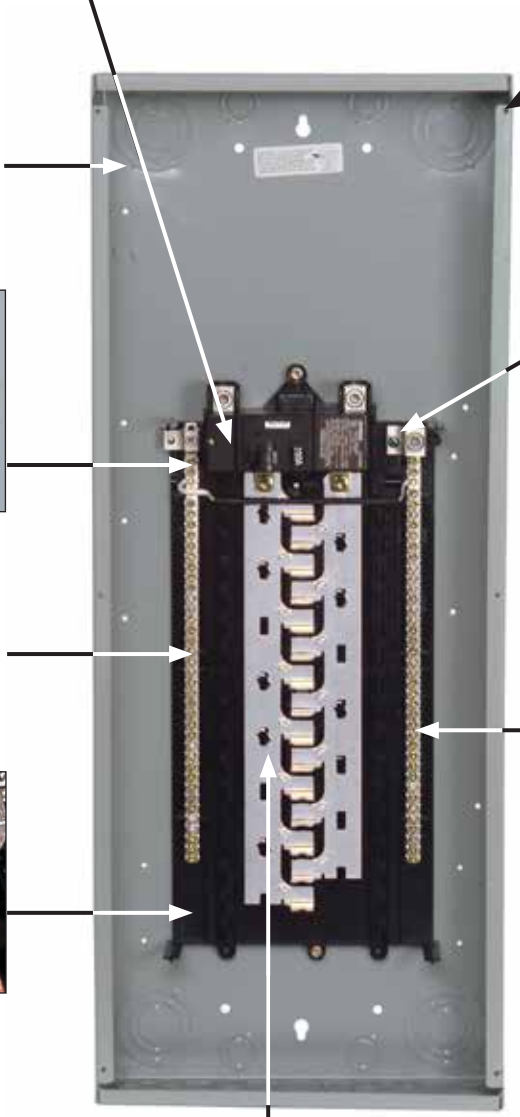
Invertible for bottom feed application.①

Ground bar field installed (select skus with "G" suffix will have ground bar factory installed).

Combination head screw on the neutrals, ground, trim, upper pan, and bond screw provide installation flexibility.

Single side inboard neutral on 24 circuits and below; dual on 30 circuits and above.

A rigid, sturdy base pan provides the ruggedness required for the most harsh applications.

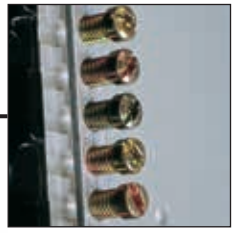


Aluminum bus.

The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

Mounting tabs on the trim hold it in place on the load center, freeing up both hands to drive the trim screws.

The pre-positioned bond screw eliminates bond strap/screw assemblies, and reduces the risk of losing components in the field.



The patented INSTA-WIRE™ neutral/ground system allows for faster installation because screws are backed out, ready for wire insertion. The visible neutral and grounds system aids in the insertion of conductors.

ES Series Load Centers ship in single piece carton.

① Applies only to NEMA 1 ES and PL Load Centers

ES Series Single Phase Main Lug & Main Breaker Load Centers

1-phase, 3-wire SN, 120/240 Volts AC

Main Breaker/Convertible Load Centers[1]
12-70 Circuits / 100-225 Amperes

Aluminum Bus
22,000A IR[2]

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[3]	Catalog Number	Enclosure Height (inches)[4]
100	10	20	**S1020B1100**	18	—	—
100	12	24	**S1224B1100**	18	**SW1224B1100**	21
100	16	24	**S1624B1100**	21	**SW1624B1100**	23
100	20	20	**S2020B1100**	24	**SW2020B1100**	27
100	20	24	**S2024B1100**	24	—	—
100	30	30	**S3030B1100**	30	—	—
125	12	24	—	—	**SW1224B1125**	21
125	16	24	**S1624B1125**	21	—	-
125	16	32	—	—	**SW2024B1125**	27
125	24	24	**S2424B1125**	24	**SW2424B1125**	27
125	30	30	**S3030B1125**	30	—	—
125	30	40	**S3040B1125**	30	**SW3040B1125**	35
150	16	30	**S1630B1150**	24	—	—
150	20	30	**S2030B1150**	24	—	—
150	24	30	**S2430B1150**	30	—	—
150	30	30	**S3030B1150**	30	—	—
150	30	40	**S3040B1150**	30	**SW3040B1150**	35
150	40	40	—	—	**SW4040B1150**	38
200	16	32	**S1632B1200**	24	—	—
200	20	40	**S2040B1200**	30	**SW2040B1200**	27
200	24	40	**S2440B1200**	30	—	—
200	30	40	**S3040B1200**	36	**SW3040B1200**	35
200	40	40	**S4040B1200**	36	**SW4040B1200**	38
200	54	70	**S5470B1200**	44	—	—
225	42	60	**S4260B1225**	39	**SW4260B1225**	42
225	54	70	**S5470B1225**	44	—	—

Main Lug/Non-convertible Load Centers
12-70 Circuits / 125-225 Amperes

Aluminum Bus
100,000A IR

Branch Circuits			Indoor Enclosure - NEMA Type 1		Outdoor Enclosure - NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[3]	Catalog Number	Enclosure Height (inches)[4]
125	12	12	**S1212L1125**[5]	18	**SW1212L1125**[5]	21
125	12	24	**S1224L1125**[5]	18	**SW1224L1125**[5]	21
125	16	24	**S1624L1125**	21	**SW1624L1125**	21
125	20	20	**S2020L1125**	21	—	—
125	20	20	**S2020L1125G**[6]	21	—	—
125	20	24	**S2024L1125**	21	—	—
125	20	24	**S2024L1125G**[6]	21	—	—
125	24	24	**S2424L1125**	24	**SW2424L1125**	27
125	24	24	**S2424L1125G**[6]	24	—	—
125	24	40	**S2440L1125**	24	—	—
125	30	40	**S3040L1125**	30	**SW3040L1125**	29
125	30	40	**S3040L1125G**[6]	30	—	—
125	40	40	**S4040L1125**	36	—	—
150	20	30	**S2030L1150**	24	**SW2030L1150**	27
200	12	24	**S1224L1200**[5]	21	**SW1224L1200**[5]	21
200	20	40	**S2040L1200**	24	**SW2040L1200**	27
200	24	40	**S2440L1200**	30	—	—
200	30	30	**S3030L1200**	30	—	—
200	30	40	**S3040L1200**	30	**SW3040L1200**	35
200	30	54	**S3054L1200**	30	**SW3054L1200**	35
200	40	40	**S4040L1200**	36	**SW4040L1200**	35
225	12	24	—	—	**SW1224L1225**	23
225	42	60	**S4260L1225**	36	**SW4260L1225**	38
225	54	70	**S5470L1225**	42	—	—

[1] Suitable for use as service equipment.
[2] May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.
[3] Indoor enclosures are 14 1/4" wide by 3 7/8" deep.
[4] Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.
[5] Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC®.
[6] ES Series single phase skus with a "G" suffix have ground bar included (factory installed).

ES Series Single Phase Special Application Load Centers

1-phase, 3-wire SN, 120/240 Volts AC

Load Centers with White Trim[1]
16-40 Circuits / 100 – 200 Amperes

Aluminum Bus
100,000A IR

Branch Circuits			Indoor Enclosure – NEMA Type 1		
Amp Rating	Main Lug / Main Breaker	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[2]
100	Main Breaker	16	24	**S1624B1100W**[5]	21
125	Main Lug	20	20	**S2020L1125W**	21
125	Main Lug	24	24	**S2424L1125W**	24
200	Main Lug	30	30	**S3030L1200W**	30
125	Main Lug	30	40	**S3040L1125W**	30
200	Main Breaker	40	40	**S4040B1200W**[5]	36

Outdoor Trailer Panels
16 Circuits / 200 Amperes

Aluminum Bus
100,000A IR

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Main Breaker		Enclosure Height (inches)[4]
200	8	16	**SW0816L1200T**	N/A	N/A	23
200	8	16	**SW0816B1200T**[5]	MBK200A	Factory Installed	23

Value Pack Load Centers[3]

Aluminum Bus

Catalog Number	Load Center	Breakers Included
S2020B1100P	S2020B1100	(3) Q120, (1) Q230
S3040B1200P	S3040B1200	(3) Q120, (1) Q230
S3040L1200P	S3040L1200	(3) Q120, (1) Q230
S4040B1200P	S4040B1200	(3) Q120, (1) Q230
S3054B1200P	S3054B1200	(3) Q120, (1) Q230

Split Ground Series Load Centers[6]
30-40 Circuits / 125-200 Amperes
16 Circuits / 200 Amperes

Aluminum Bus

Branch Circuits			Indoor Enclosure – NEMA Type 1	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[2]
125	20	30	**S2030L1125SG**	21
150	30	30	**S3030B1150SG**	30
200	40	40	**S4040B1200SG**	36

Selectable Main Load Centers[7]
24-40 Circuits / 125-200 Amperes

Aluminum Bus

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R		Available Kits	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)[2]	Catalog Number	Enclosure Height (inches)[4]	Main Lug	Main Breaker
125	24	24	**S2424C1125**	24	**SW2424C1125**	27	ECMLK125	MBK100A, MBK125A
200	20	40	**S2040C1200**	28	**SW2040C1200**	22	ECMLK225	MBK150A, MBK200A, MBK225A
200	30	40	**S3040C1200**	36	**SW3040C1200**	35	ECMLK225	MBK150A, MBK200A, MBK225A
200	40	40	**S4040C1200**	36	**SW4040C1200**	38	ECMLK225	MBK150A, MBK200A, MBK225A

[1] Load centers with white trim have increased lead time of 3-4 weeks. Sold in pallet quantities only. Additional charge will apply. Contact sales office for details.
[2] Indoor enclosures are 14 1/4" wide by 3 7/8" deep.
[3] Breakers are shipped inside a sleeve located inside the load center.
[4] Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.
[5] Main breaker panel rated 22,000A IR.
[6] Split Ground load centers have factory installed 100% neutral with factory bonded 75% ground.
[7] Selectable main load centers do not come with main lugs or main breakers. Those kits are sold separately.

ES Series Three Phase Main Lug & Main Breaker Load Centers

3-phase, 3-wire, 240 Volt AC or 3-phase, 4-wire, 120/240 or 120/208 Volts AC

Main Breaker/Convertible Load Centers — Aluminum Bus
30-60 Circuits / 100-225 Amperes — 10,000A IR①

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)③	Catalog Number	Enclosure Height (inches)④
100	12	24	**S1224B3100②**	24	**SB1224B3100**	—
100	30	30	**S3030B3100②**	30	—	—
100	30	42	**S3042B3100②**	30	—	—
125	30	42	**S3042B3125**	39	—	—
150	24	42	**S2442B3150**	36	**SW2442B3150**	35
150	30	54	**S3054B3150**	39	—	—
150	42	42	**S4242B3150**	42	—	—
200	30	54	**S3054B3200**	39	**SW3054B3200**	38
200	42	60	**S4260B3200**	42	**SW4260B3200**	42
225	42	42	**S4242B3225**	42	**SW4242B3225**	42

Main Lug/Non-Convertible Load Centers⑤⑥ — Aluminum Bus
12-70 Circuits / 125-225 Amperes — 100,000A IR⑦

Branch Circuits			Indoor Enclosure – NEMA Type 1		Outdoor Enclosure – NEMA Type 3R	
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Enclosure Height (inches)③	Catalog Number	Enclosure Height (inches)④
125	12	24	**S1224L3125**	21	**SW1224L3125**	21
150	18	36	**S1836L3150**	24	**SW1836L3150**	23
150	24	42	**S2442L3150**	30	**SW2442L3150**	27
200	12	24	**S1224L3200**	21	**SW1224L3200**	21
200	24	42	**S2442L3200**	30	**SW2442L3200**	27
200	30	54	**S3054L3200**	30	**SW3054L3200**	35
225	42	60	**S4260L3225**	36	**SW4260L3225**	38
225	54	70	**S5470L3225**	42	—	—

① May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.
② Back fed main breaker.
③ Indoor enclosures are 14 1/4" wide by 3 7/8" deep.
④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.
⑤ Non-convertible to main breaker.
⑥ Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC®.
⑦ Rated 100,000A IR in series with breakers listed on wiring diagram.

EQ® Load Centers—300-400Amp

1-Phase, 3-Wire/3-Phase, 3-Wire, 4-Wire

Features

- UL listed for 60/75°C conductors. See equipment markings for applications.
- Copper bus standard.
- Factory installed lock on indoor enclosure.
- Outdoor enclosures use HV type hubs.

E3030MB1400SCU

Main Breaker 300-400 Ampere

1Ø, 3-Wire — **120/240 Volts AC**

Ampere Rating	Branch Circuits Type QP		Indoor Enclosure — NEMA Type 1 (65,000A IR)						Outdoor Enclosure — NEMA Type 3R (65,000A IR)				
	Max. 1-Pole	Max. 2-Poles	Catalog Number③	Std. Pkg.	Dimensions (inches) Height	Width	Depth	Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth④
300	42	20	**E4242MB1300FCU**	1	58	20	6	Flush	—	—	—	—	—
300	42	20	**E4242MB1300SCU**	1	58	20	6	Surface	—	—	—	—	—
400	30	14	**E3030MB1400SCU**	1	52	20	6	Surface	**W3030MB1400CU**	1	52	20	6
400	42	20	**E4242MB1400FCU**	1	58	20	6	Flush	**W4242MB1400CU**	1	58	20	6
400	42	20	**E4242MB1400SCU**	1	58	20	6	Surface	—	—	—	—	—

3Ø, 3-Wire, 4-Wire — **240 Volts AC**

Ampere Rating	Branch Circuits Type QP		Indoor Enclosure — NEMA Type 1 (65,000A IR)						Outdoor Enclosure — NEMA Type 3R (65,000A IR)				
	Max. 1-Pole	Max. 2-Poles	Catalog Number③	Std. Pkg.	Dimensions (inches) Height	Width	Depth	Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth④
300	42	20	**E4242MB3300SCU**	1	58	20	6	Surface	—	—	—	—	—
400	30	14	**E3030MB3400SCU**	1	52	20	6	Surface	—	—	—	—	—
400	42	20	**E4242MB3400FCU**	1	58	20	6	Flush	**W4242MB3400CU**	1	58	20	6
400	42	20	**E4242MB3400SCU**	1	58	20	6	Surface	—	—	—	—	—

Main Lug 400 Ampere

1Ø, 3-Wire — **120/240 Volts AC**

Ampere Rating	Branch Circuits Type QP		Indoor Enclosure — NEMA Type 1 (65,000A IR)						Outdoor Enclosure — NEMA Type 3R (65,000A IR)				
	Max. 1-Pole	Max. 2-Poles	Catalog Number③	Std. Pkg.	Dimensions (inches) Height	Width	Depth	Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth④
400	24	12	—	—	—	—	—	—	**W0606ML1400CU**②⑤⑥	1	43	20	6
400	30	14	**E3030ML1400SCU**	1	41	20	6	Surface	**W3030ML1400CU**	1	43	20	6
400	42	20	**E4242ML1400SCU**	1	47	20	6	Surface	—	—			
400	42	20	**E4242ML1400FCU**	1	47	20	6	Flush	**W4242ML1400CU**	—	47	20	6

3Ø, 3-Wire, 4-Wire — **240 Volts AC**

Ampere Rating	Branch Circuits Type QP		Indoor Enclosure — NEMA Type 1 (22,000A IR)						Outdoor Enclosure — NEMA Type 3R (22,000A IR)				
	Max. 1-Pole	Max. 2-Poles	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth	Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth④
400	30	14	**E3030ML3400SCU**	1	41	20	6	Surface	—	—	—	—	—
400	42	20	**E4242ML3400FCU**	1	47	20	6	Flush	**W4242ML3400CU**	1	47	20	6
400	42	20	**E4242ML3400SCU**	1	47	20	6	Surface	—	—	—	—	—

① UL listed as suitable for use as service equipment.
② W0606ML14000CU rated at 22,000A IR.
③ Where noted suffix S = Surface, F = Flush.
④ Does not include 2" rainhead overhang.
⑤ Accepts up to six QN style breakers.
⑥ Suitable for use as service entrance equipment when not more than six main disconnecting means are provided.

Generator Ready Load Centers

1-Phase, 3-WIre SN, 120/240Volts AC

Generator Ready Load Centers

The Siemens generator ready load center can save thousands of dollars in future generator installation expenses while keeping initial expenses to a minimum. Works with an automatic standby generator or a portable generator.

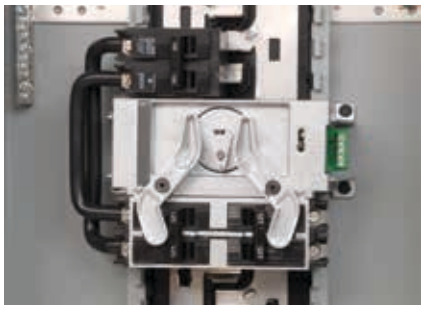
Load Center Features

- UL Listed
- Indoor Type 1 and outdoor Type 3R
- 225A max rated
- Flush or surface mounting
- Fits between standard stud centers
- Tin plated copper bus bars
- 22 kAIC rated
- 120/240V ~
- Main lug – convertible to main breaker with addition of MBK150A, MBK200A, or MBK225A
- Main breaker – convertible to main lug with use of lug kit part no. ECMLK225
- Installation of transfer mechanism can be performed at time of generator installation.

NEMA 1

Automatic transfer switch features:

- UL Listed
- Operates automatically when connected to generator
- Transfers load from utility to generator and back to utility
- Transfer switch (sold separately) catalog number: GENTFRSWTCH①③



GENTFRSWTCH

Indoor Enclosure – NEMA Type 1

Amp Rating	No. of Spaces②	No. of Circuits②	Catalog Number	Dimensions (inches)		
				Height	Width	Depth
200	30	42	**G3042B1200GEN**	42	14.25	4
225	30	42	**G3042L1225GEN**	42	14.25	4

Outdoor Enclosure – NEMA Type 3R

Amp Rating	No. of Spaces②	No. of Circuits②	Catalog Number	Dimensions (inches)		
				Height	Width	Depth
200	30	42	**W3042B1200GEN**	42	14.63	4
225	30	42	**W3042L1225GEN**	42	14.63	4

NEMA 3R

① Q2125S provided with GENTFRSWTCH for use with automatic transfer mechanism.

② 2 spaces and 2 circuits are reserved for standby generator installation.

③ Field install breaker for voltage sensing required.

Riser Panel Load Centers

1-Phase, 3-WIre SN, 120/240Volts AC

Riser Panel Load Centers①

Riser panel load centers are ideal for high rise applications. The shifted interior provides room for conductors to pass through the load center. The tap kits allow the installer to tap off from those conductors to power the panel.

Features

- UL Listed for use in 1Ø and 3Ø riser gutter applications.
- Copper bus standard.
- Main lug factory standard - convertible to main breaker.
- Neutrals aligned on left side- keeps way clear for riser cables.
- Available in 125 and 200 amp models.
- Invertible for left and right hand applications.

R1632L1125CU

ECRLK250

Riser Gutter Tap Kit②③

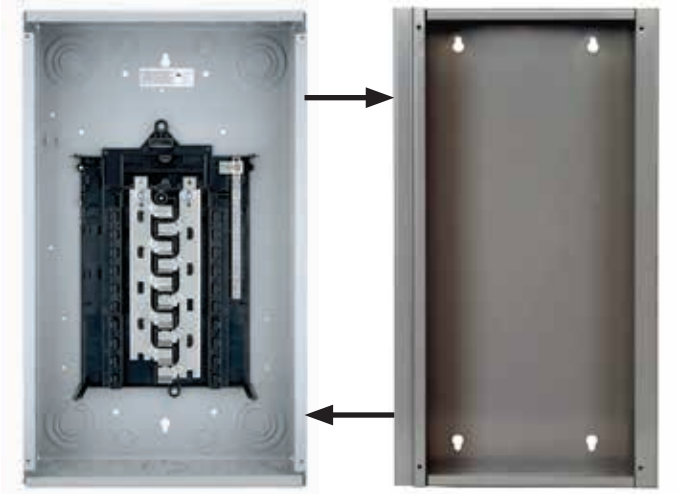
The riser gutter tap kit (ECRLK250) allows the installer to tap off the main conductors, eliminating the need to cut completely through the conductor. The tap kit accepts 250 -1/0 on the main conductor side and 250-#6 on the tap side.

Riser Gutter

The riser gutter (RAG24) is used to convert any load center 24" or larger into a riser panel.

Features

- Single and 3-phase applications
- Compatible with any single or 3-phase Siemens load center 24" or higher
- Flush trim included
- Load center mounting hardware and pass through brush included (Catalog no. RAG24)



Any Load Center 24" or larger

RAG24

1-phase, 3-wire SN, 120/240 Volts AC

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Dimensions (inches)			Acceptable Main Breaker Kits
				Height	Width	Depth	
125	16	32	**R1632L1125CU**	24	14.25	3.88	MBK100A, MBK125A
125	24	24	**R2424L1125CU**	30	14.25	3.88	MBK100A, MBK125A
125	24	42	**R2442L1125CU**	30	14.25	3.88	MBK100A, MBK125A
200	30	42	**R3042L1200CU**	36	14.25	3.88	MBK150A, MBK200A

① The riser panels are single phase only, but can be fed from 1-phase or 3-phase systems running through the gutter trough area.

② ECRLK250 must be ordered in multiples of 3. Each kit contains 3 lugs, however, these are priced per lug not per kit.
③ ECRLK250 is sold separately

EQ Load Centers—Small Circuit Load Centers

1-Phase, 3-WIre SN, 120/240Volts AC

Features/Applications

EQ Load Centers with main lugs feature a combination trim box in one package.

- Interiors offer removal in seconds
- Single phase
- One piece bus bar construction designed for use only with circuit breakers
- UL Listed
- UL listed on 60/75°C conductors (see equipment markings for applications)
- Positive load side circuit breaker hook rails
- Outdoor Type 3R devices on this page use HS Type hubs. See page 1-21.

Small Circuit Load Centers
Ideal for subfeed applications

Renovation Panel
Ideal for older home renovation projects where the distance between the studs is narrower than current construction practices. The narrower panel eliminates the need to 'notch' out the existing studs.

Spa Panels
Spa Panels are ideal for outdoor applications requiring the use of ground fault protection, such as hot tubs. A factory installed 2-Pole GFCI breaker is provided, along with 2 extra circuits.

Main Lugs with Aluminum Bus⑥
4–16 circuits, 100–125 Amperes

100,000A IR
1-Phase, 3-Wire, SN 120/240 Volts AC

Branch Circuits				Indoor Enclosure — NEMA Type 1					Outdoor Enclosure — NEMA Type 3R				
Amp Rating	Max. 1-Pole No. of Spaces	No. of Circuits	QP Max. 2-Poles	Catalog Number— Replace Suffix F (Flush) with S for Surface Mounting	Std. Pkg.	Dimensions (inches) H	W	D	Catalog Number	Std Pkg.	Dimensions (inches) H	W	D
100	12	24	6	**E1224ML1100FG**①	1	14 3/4	12 3/8	3 7/8	—	—	—	—	—
125	4	8	2	**E0408ML1125F**②③⑧	5	12 5/8	6 5/8	3 1/2	**W0408ML1125**②③⑧	5	12 1/4	6	4 1/4
125	4	8	2	—	—	—	—	—	**W0408L1125SPA50**③④⑧	1	12 1/4	6	4 1/4
125	4	8	2	—	—	—	—	—	**W0408L1125SPA60**③④⑧	1	12 1/4	6	4 1/4
125	8	16	4	**E0816ML1125F**⑧	1	14 3/4	12 3/8	3 7/8	—	—	—	—	—

Main Lug and Main Breaker with Copper Bus⑥⑨
4–16 circuits, 100–225 Amperes

100,000A IR
1-Phase, 3-Wire, SN 120/240 Volts AC

Branch Circuits				Indoor Enclosure — NEMA Type 1					Outdoor Enclosure — NEMA Type 3R				
Amp Rating	Max. 1-Pole No. of Spaces	No. of Circuits	QP Max. 2-Poles	Catalog Number	Std. Pkg.	Dimensions (inches) H	W	D	Catalog Number	Std. Pkg.	Dimensions (inches) H	W	D
100	10	20	4	**E1020MB1100FCGP**②	1	14 3/4	12 3/8	3 7/8	—	—	—	—	—
100	12	24	6	**E1224ML1100FCU**	1	14 3/4	12 3/8	3 7/8	—	—	—	—	—
125	8	16	4	**E0816ML1125FCU**⑧	1	14 3/4	12 3/8	3 7/8	**W0816ML1125CU**⑧	1	14 3/4	12 1/8	4 1/4
125	8	16	4	**E0816ML1125SCU**	1	14 3/4	12 3/8	3 7/8	—	—	—	—	—
225	4	6	2	—	1	—	—	—	**W0406ML1225CU**②	1	23	10	4 1/8
200	4	4	2	—	1	—	—	—	**W0404MB1200CT**⑧⑩	1	20	11 1/8	4 3/4
150	4	4	2	—	1	—	—	—	**W0404MB1150CTS**⑧⑩	1	20	11 1/8	4 3/4
200	4	4	2	—	1	—	—	—	**W0404MB1200CTS**⑧⑩	1	20	11 1/8	4 3/4

① 70 amp maximum breaker.
② Will not accommodate 2-pole GFCI or circuit breaker with shunt trip.
③ Can accommodate 2-pole GFCI breaker up to 50A. For 2-pole 60A GFCI, a restriction of #6 wire applies due to wire bend space of the enclosure. Will not accommodate circuit breaker with shunt trip.
④ 100 amp maximum breaker.
⑤ Suitable for use as service entrance equipment when a main breaker (125A maximum) is back-fed in a branch position and used with main breaker retainer clip (Cat. No. ECMBR1).
⑥ Suitable for use as service entrance when not more than six main disconnecting means are provided. Check local codes and restrictions.
⑦ Two Q115 and one Q230 breaker included.
⑧ W0408L1125SPA50 provided with factory installed QF50 and ground bar. W0408L1125SPA60 provided with factory installed QF260 and ground bar.
⑨ Copper Bus load centers are recommended for those applications where the environment may be severe (i.e. farm and coastal areas).
⑩ 2" HS Type hub provided.
⑪ Type QNR main breaker factory installed.
⑫ CSA Listed
⑬ Cover plate included

EQ® Load Centers—Circuit Breaker Enclosures

1-Phase and 3-Phase, 240V AC Max.

Features

- Circuit breaker enclosures range from 60A to 225A, indoor and outdoor models
- Designed for use exclusively with QP, QT, QPH, HQP, BQ, BQH, HBQ, QPP, QPPH, HQPP, QJ2, QJH2 and QJ2-H circuit breakers
- UL listed
- Suitable for use as service entrance equipment
- UL listed for 60/75°C conductors (See equipment markings for applications)

W0202MB1200CU

W0303ML3100

Breaker Used			Indoor Enclosure — NEMA Type 1					Outdoor Enclosure — NEMA Type 3R				
Frame Type	Ampere Rating	No. of Poles	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth	Catalog Number	Std. Pkg.	Dimensions (inches) Height	Width	Depth
1-Phase, 3-Wire SN — 120/240 Volts AC												
	60	2	**E0204ML1060S**①	5	9 7/8	5 1/8	2 5/8	**W0204ML1060**①⑥	5	18	5	4 1/4
QP, QPH,	60	2	**E0204ML1060F**②	5	9 7/8	5 1/8	2 5/8	—	—	—	—	—
HQP	100	2	**E0202MB1100**	1	17 1/8	7 3/8	4 5/16	**W0202MB1100CU**②	1	17.4	7.3	4.3
	125	2	**E0204ML1125SCU**	1	17 1/8	7 1/8	4 1/4	**W0204ML1125CU**	1	17 1/8	17 3/8	4 5/16
	150	2	—	—	—	—	—	**W0202MB1150CU**②	1	19 3/4	18.4	4.6
QN, QNH,	200	2	—	—	—	—	—	**W0202ML1200CU**	1	19 3/4	18.4	4.6
HQN	200	2	**E0202MB1200**②	—	19 3/8	8 1/2	4	**W0202MB1200CU**②	1	19 3/4	18.4	4.6
QPP, QPPH, HQPP, QP	225	1-4	—	—	—	—	—	**W0406ML1225CU**②	1	23	10	4 1/8
QJ2,	150	2	—	—	—	—	—	**WB2150B**②	1	27	17 3/8	4 15/16
QJH2,	200	2	—	—	—	—	—	**WB2200B**②	1	27	17 3/8	4 15/16
QJ2-H	225	2	—	—	—	—	—	**WB2225**②	1	27	17 3/8	4 5/16
3-Phase, 3-Wire 240 Volts AC or 3-Phase, 4-Wire SN — 120/208 Volts AC, 120/240, 240 Volts AC												
QP, QPH,HQP	100	2-3	**E0303ML3100S**②	1	17 1/8	7 1/8	4 1/4	**W0303ML3100**②	1	17 1/8	17 3/8	4 5/16
BQ, BQH, HBQ	100	2-3	**EB3100S**②	1	17 1/8	7 1/8	4 1/4	**WB3100**②	1	17 1/8	17 3/8	4 5/16
QJ2, QJH2, QJ2-H	225	2-3	**EB3225F**②	1	27 11	10 1/8	5 1/8	**WB3225**②	1	27	10 1/8	5 9/16

① Will not accommodate 2-pole GFCI or circuit breaker with shunt trip.
② 42,000A IR maximum. Copper wire only at 225A.
③ Can accommodate 2-pole GFCI breaker up to 50A. For 2-pole GFCI, a restriction of #6 wire applies due to wire bend space of the enclosure. Will not accommodate circuit breaker with shunt trip.
④ Main breaker factory installed.
⑤ QJ2 frame circuit breaker installed, rated 10,000A IR.
⑥ CSA Listed.

Load Centers

Load Center Accessories[1]

Catalog Number	Description	Pack Qty
Ground Bar Kits (For ES and PL Load Centers)		
EC1GB8	GROUND BAR KIT-8 POS, #14-4	1
EC1GB82	GROUND BAR KIT-8 POS, #14-4 w/ 2/0 LUG	1
EC2GB12	GROUND BAR KIT-12 POS, #14-4	1
EC2GB122	GROUND BAR KIT-12 POS, #14-4 w/ 2/0 LUG	1
EC2GB15	GROUND BAR KIT-15 POS, #14-4	1
EC2GB152	GROUND BAR KIT-15 POS, #14-4 w/ 2/0 LUG	1
EC3GB21	GROUND BAR KIT-21 POS, #14-4	1
EC3GB212	GROUND BAR KIT-21 POS, #14-4 w/ 2/0 LUG	1
EC3GB27	GROUND BAR KIT-27 POS, #14-4	1
EC3GB272	GROUND BAR KIT-27 POS, #14-4 w/ 2/0 LUG	1
EC3GB30	GROUND BAR KIT-30 POS, #14-4	1
EC3GB302	GROUND BAR KIT-30 POS, #14-4 w/ 2/0 LUG	1
EC3GB352	GROUND BAR KIT-35 POS, #14-4 w/ 2/0 LUG	1
Ground Bar Kits (For Legacy Load Centers)		
ECGB5	GROUND BAR KIT-5 POS	1
ECGB10	GROUND BAR KIT-10 POS	1
ECGB101	GROUND BAR KIT-10 POS, 1/0 LUG	1
ECGB14	GROUND BAR KIT-14 POS	1
ECGB141	GROUND BAR KIT-14 POS, 1/0 LUG	1
ECGB142	GROUND BAR KIT-14 POS, 2/0 LUG	1
ECGB20	GROUND BAR KIT-20 POS	1
ECGB201	GROUND BAR KIT-20 POS, 1/0 LUG	1
ECGB202	GROUND BAR KIT-20 POS, 2/0 LUG	1
ECINSGB5	INSULATED GROUND BAR KIT-5 POS	1
ECINSGB14	INSULATED GROUND BAR KIT-14 POS	1
ECINSGB20	INSULATED GROUND BAR KIT-20 POS	1
Hubs		
ECHS000	HS TYPE CLOSURE PLATE	1
ECHS075	HS TYPE HUB - 3/4"	1
ECHS100	HS TYPE HUB - 1"	1
ECHS125	HS TYPE HUB - 1 1/4"	1
ECHS150	HS TYPE HUB - 1 1/2"	1
ECHS200	HS TYPE HUB - 2"	1
ECHS250	HS TYPE HUB - 2 1/2"	1
ECHA000	HA TYPE CLOSURE PLATE	1
ECHA075	HA TYPE HUB - 3/4'	1
ECHA100	HA TYPE HUB - 1"	1
ECHA125	HA TYPE HUB - 1 1/4"	1
ECHA150	HA TYPE HUB - 1 1/2"	1
ECHV000	HV TYPE CLOSURE PLATE	1
ECHV200	HV TYPE HUB - 2"	1
ECHV250	HV TYPE HUB - 2.5"	1
ECHV300	HV TYPE HUB 3"	1
ECHV350	HV TYPE HUB - 3.5"	1
ECHV400	HV TYPE HUB - 4"	1
Lock Kits		
ECQFL2	FLUSH LOCK KIT FOR 3PH/ULT. 100A-225A	1
ECQFL1	FLUSH LOCK KIT-REPLACEMENT FOR EQ LC	1
ECQFL3	ADD-A-LOCK (FLUSH LOCK) FOR 300-400A LC	1

[1] The pack quantity is the number that is sold in a pack. Items listed on this page must be ordered in multipiles of pack quantities but items are priced per each. For example, ECRLK250 come 3 to a pack so must be ordered in multiples of 3 but pricing would be individual unit price times 3.

[1] Two ECQF3 filler plates required for 150A-225A 1 phase MB opening.

Catalog Number	Description	Pack Qty
Load Center Conversion Kits		
MBK100A	MAIN BREAKER KIT 100-125A 1PH 22K	1
MBK125A	MAIN BREAKER KIT 125A 1PH 22K	1
MBK150A	MAIN BREAKER KIT 150A-225A 1PH 22K	1
MBK200A	MAIN BREAKER KIT 200A-225A 1PH 22K	1
MBK225A	MAIN BREAKER KIT 225A 1PH 22K	1
MBK3100	MAIN BREAKER KIT 100A 3PH QP 240V 10K	1
MBK3125	MAIN BREAKER KIT 125A 3PH 240V 10K	1
MBK3150	MAIN BREAKER KIT 150A 3PH 240V 10K	1
MBK3175	MAIN BREAKER KIT 175A 3PH 240V 10K	1
MBK3200	MAIN BREAKER KIT 200A 3PH 240V 10K	1
MBK3225	MAIN BREAKER KIT 225A 3PH 240V 10K	1
MBK3125H	MAIN BREAKER KIT 125A 3PH 240V 22K	1
MBK3150H	MAIN BREAKER KIT 150A 3PH 240V 22K	1
MBK3175H	MAIN BREAKER KIT 175A 3PH 240V 22K	1
MBK3200H	MAIN BREAKER KIT 200A 3PH 240V 22K	1
MBK3225H	MAIN BREAKER KIT 225A 3PH 240V 22K	1
MBK3125HH	MAIN BREAKER KIT 125A 3PH 240V 42K	1
MBK3150HH	MAIN BREAKER KIT 150A 3PH 240V 42K	1
MBK3175HH	MAIN BREAKER KIT 175A 3PH 240V 42K	1
MBK3200HH	MAIN BREAKER KIT 200A 3PH 240V 42K	1
MBK3225HH	MAIN BREAKER KIT 225A 3PH 240V 42K	1
ECMLK125	1 PH MAIN LUG CONVERSION KIT 100-125A	1
ECMLK225	1 PH MAIN LUG CONVERSION KIT 150-225A	1
ECMLK3125	3 PH MAIN LUG CONVERSION KIT 100-125A	1
ECMLK3225	3 PH MAIN LUG CONVERSION KIT 150-225A	1
Lug Kits		
ECCS1	COLLAR STRAP FOR GRD BARS #14-1/0	1
ECCS2	COLLAR STRAP FOR GRD BARS #6-250	1
ECLKB1	NEUTRAL LUG KIT WITH BOND TAB	1
ECLK3	NEUTRAL LUG KIT #1-300 FOR EQIII LC	1
ECLK1-2	NEURTAL LUG KIT #2 TO 1/0 FOR EQIII LC	1
ECLK2	NEUTRAL LUG KIT #4-2/0 FOR EQIII LC	1
ECLK2SC	2/0 LUG FOR 125AMP NEUTRAL FEEDER	1
ECLK2125	125A SUB FEED LUGS-USES 2 SPACES	1
ECLK2225	150A-225A SUB FEED LUGS-USES 4 SPACES	1
ECLK3225	3P SUB FEED LUGS-USES 6 SPACES	1
ECRLK250	RISER LUG KIT 250 KCMIL	3
Miscellaneous Load Center Accessories		
ECCP1	PKG OF 100 CIRCUIT DIRECTORY	100
ECQF3	QP/BQ/ED2 FILLER PLATE	5
ECMBF125	1 PH 100&125A MAIN BREAKER FILLER PLATE[2]	1
EC3PMFP1	3 POLE MAIN FILLER PLATE	1
ECSMK1	SURFACE MOUNT 1/4" SPACE KIT FOR LC'S	4
ECTS2	LC TRIM SCREWS	6
ECLCHINGE	GREY LC HINGES	100
ECADHLCDIRLBL	ADHESIVE LC DIRECTORY LABELS	100
ECSIELATCH	SIEMENS LC LATCHES	25
ECBONDSCRW	LC BOND SCREW	10
ECSN1	SCREWS AND NUTS FOR HC HUB-BOTTOM USE	4
RAG24	RISER AUX GUTTER 24"	1
ECAFL	ARC FLASH LABEL	10
ECMBR1	MB Hold Down Kit for EQ	1
ECMBR2	MB Hold Down Kit for Ult/PL/ES	1
Neutral Bar Kits		
ECLNB14	MLO NEUTRAL BAR KIT-14 POS	1
ECLNB16	CONVERTIBLE LC NEUTRAL BAR KIT-16 POS	1

Load Centers

Load Center Accessories

Lug Kit, 3-Pole, Subfeed or
Feed thru Applications
ECLK3225

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

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

3-Pole Main Breaker Kit
MBK3200

Main Breaker Retainer Kit for EQ
Load Centers
ECMBR1

Main Breaker Retainer kit for PL, ES, &
Ultimate Load Centers
ECMBR2

Ground Bar Kit
20 POS. 2/0 Lug
ECGB202

Ground Bar Kit, **ECGB14**

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

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

For use on Ground Bar only
Collar Strap, Wire Range;
ECCS1; ECCS2

Add-A-Lock
(Flush Lock) **ECQFL1**
For EQ load centers

Filler Plate, **ECQF3**

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

Add-A-Lock
(Flush Lock), **ECQFL3**
300-400A Load Centers

Murray Load Centers

Features

All main breakers are straight in wired- no backfeeding required.

Outboard neutral and groundbars allow for all nuetral and ground connections to be located away from the breaker connections, making for a neat, clean installation

All devices are convertible from main lug to main breaker or vice versa with the addition of main breaker or main lug kits.

"Swiss Cheese" style neutral bars provide multiple 1/0 connection points.

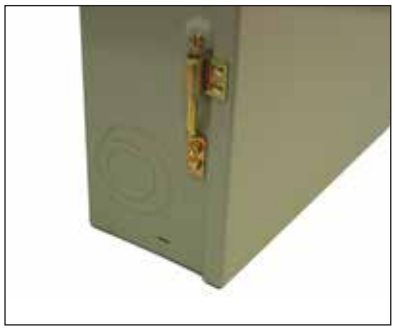
With the use of the included bonding strap, ground bars and neutral bars can be bonded for service entrace applications.

All units include factory installed ground bar and isolated neutral.

A rigid, strudy base pan with metal hook rails provides the most rugged breaker connection in the industry.

Copper Bus

Invertible for bottom feed application



The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

Mounting tabs on the trim hold it in place on the load center, freeing up both hands to drive the trim screws.

Murray Load Centers①

Main Lug & Main Breaker Load Centers 1-phase, 3-wire SN, 120/240V AC②

Main Lugs with Aluminum Bus
12-60 Circuit, 125-225 Amperes

100,000A IR

Amps Max.	No. of Spaces	Max Circuit	Indoor Type 1③	Dimensions④			Outdoor Type 3R③⑤	Dimensions④		
			Catalog Number	Height	Width	Depth	Catalog Number	Height	Width	Depth
125	12	24	**LC1224L1125**	21	14⅜	4	**LW1224L1125**	20	14¼	4½
125	16	32	**LC1632L1125**	21	14⅜	4	**LW1632L1125**	29	14¼	4½
125	20	40	**LC2040L1125**	24	14⅜	4	**LW2040L1125**	29	14¼	4½
125	30	40	**LC3040L1125**	30	14⅜	4	—	—	—	—
150	16	32	**LC1632L1150**	24	14⅜	4	—	—	—	—
150	24	40	**LC2440L1150**	30	14⅜	4	—	—	—	—
200	12	24	—	—	—	—	**LW1224L1200**	29	14¼	4½
200	20	40	**LC2040L1200**	30	14⅜	4	**LW2040L1200**	29	14¼	4½
200	24	40	**LC2440L1200**	30	14⅜	4	—	—	—	—
200	30	40	**LC3040L1200**	36	14⅜	4	**LW3040L1200**	38	14¼	4½
200	40	40	**LC4040L1200**	39	14⅜	4	—	—	—	—
225	40	60	**LC4060L1225**	39	14⅜	4	—	—	—	—

Copper Bus⑥

Amps Max.	No. of Spaces	Max Circuit	Indoor Type 1③	Dimensions④			Outdoor Type 3R③	Dimensions④		
			Catalog Number	Height	Width	Depth	Catalog Number	Height	Width	Depth
125	20	40	**LC2040L1125CU**	24	14⅜	4	—	—	—	—
200	20	40	**LC2040L1200CU**	30	14⅜	4	—	—	—	—
200	30	40	**LC3040L1200CU**	36	14⅜	4	—	—	—	—
200	40	40	**LC4040L1200CU**	39	14⅜	4	—	—	—	—
225	12	24	—	—	—	—	**LW1224L1225CU**	**29**	14¼	4½
225	42	42	**LC4242L1225CU**	42	14⅜	4	**LW4242L1225CU**	**42**	14¼	4½

Main Breaker with Aluminum Bus
12-60 Circuit, 100-200 Amperes

22,000A IR

Amps Max.	No. of Spaces	Max Circuit	Indoor Type 1②	Dimensions④			Outdoor Type 3R③⑥	Dimensions④		
			Catalog Number	Height	Width	Depth	Catalog Number	Height	Width	Depth
100	12	24	**LC1224B1100**	18	14⅜	4	**LW1224B1100**	23	14¼	4½
100	16	32	—	—	—	—	**LW1632B1100**	23	14¼	4½
100	20	40	**LC2040B1100**	24	14⅜	4	—	—	—	—
100	24	40	**LC2440B1100**	24	14⅜	4	—	—	—	—
100	30	40	**LC3040B1100**	30	14⅜	4	—	—	—	—
150	16	32	**LC1632B1150**	24	14⅜	4	—	—	—	—
150	20	40	**LC2040B1150**	30	14⅜	4	**LW2040B1150**	29	14¼	4½
150	24	40	**LC2440B1150**	30	14⅜	4	—	—	—	—
150	30	40	**LC3040B1150**	36	14⅜	4	—	—	—	—
200	12	24	—	—	—	—	**LW1224B1200**	29	14¼	4½
200	16	32	**LC1632B1200**	30	14⅜	4	—	—	—	—
200	20	40	**LC2040B1200**	30	14⅜	4	**LW2040B1200**	29	14¼	4½
200	24	40	**LC2440B1200**	30	14⅜	4	—	—	—	—
200	30	40	**LC3040B1200**	36	14⅜	4	**LW3040B1200**	38	14¼	4½
200	40	40	**LC4040B1200**	39	14⅜	4	**LW4040B1200**	38	14¼	4½
200	30	54	**LC3054B1200**	36	14⅜	4	—	—	—	—
200	42	60	**LC4260B1200**	39	14⅜	4	—	—	—	—

Copper Bus⑥

Amps Max.	No. of Spaces	Max Circuit	Indoor Type 1③	Dimensions④		
			Catalog Number	Height	Width	Depth
100	20	40	**LC2040B1100CU**	24	14⅜	4
200	20	40	**LC2040B1200CU**	30	14⅜	4
200	30	40	**LC3040B1200CU**	36	14⅜	4
200	40	40	**LC4040B1200CU**	39	14⅜	4

① Convertible to main breaker by using the following main breaker kits:
100A load centers: MBK100M only
125A load centers: MBK100M and MBK125M only
150A load centers: MBK150M only
200A load centers: MBK150M and MBK200M only
225A load centers: MBK150M, MBK200M, and MBK225M only

② 100-225A only

③ Standard package quantity equal to 1

④ Dimensions shown are representative of outside box box length, width & depth (+- 1/8") and do not include allowance for mounting bumps, endwalls, hubs, or hardware protrusions. Allow approximately 1 1/4" additional in length and width dimensions for surface or combination overhang. Consult factory for specific details if required.

⑤ Hub provision only. closure plate included. Panels through 225A require HS type hub; panels over 225A require HV type hub. See accessories on page 21 for hub types.

⑥ Copper bus load centers are recommended for those applications where the environment may be severe (such as farm and coastal areas).

Murray Rock Solid Load Centers

Accessories

Hubs

ECHS125

Catalog Number	Descripttion	Pack Quantity
ECHS075	3/4" Hub	10
ECHS100	1" Hub	10
ECHS125	11/4" Hub	10
ECHS150	11/2" Hub	10
ECHS200	2" Hub	10
ECHS250	21/2" Hub	10

Backfeed Main Breaker Hold Down Kits

ECMBR2 ECMBR1 ECLX386HD

ECLX387HD ECLX388HD

Catalog Number	Descripttion	Pack Quantity
ECMBR2	For use on MP-T, MP-HT, & MP-MT breakers in Rock Solid Load Centers	25
ECMBR1	For use on MP-T, MP-HT, & MP-MT breakers in 2–8 circuit Load Centers	25
ECLX378M	For use on MD-T, MD-HT, & MD-MT breakers on old style (pre 2003) load centers (12–42 circuit)	25
ECLX386HD	For use on MP-T, MP-HT, & MP-MT breakers (15–60A) on old style (pre 2003) load centers (12–42 circuit)	25
ECLX387HD	For use on MP-T, MP-HT, & MP-MT breakers (70–125A) on old style (pre 2003) load centers (12–42 circuit)	25
ECLX388HD	For use on MP-T, MP-HT, & MP-MT breakers (100–125A) on old style (pre 2003) load centers (12–42 circuit)	25

Miscellaneous

ECQFL2

QF3/ECQF3

Catalog Number	Descripttion	Pack Quantity
ECQFL2	Door lock for Rock Solid Load Centers	10
ECQF3	Filler plate (1")	10
ECMBF125	Filler plate for main breaker opening on 100–125A Rock Solid Load Centers. Use two QF3 filler plates for 150–225A load centers	25
LX077SF	Flush installation cover for 400A panels	1
ECTS2	6 Cover screws, combination cover	50 Bags
ECSMK1	Surface mount spacer kit provides 1/4" space between load center and wall	25

Main Breaker Kits

MBK100M

MBK200M

Catalog Number	Descripttion	Pack Quantity
MBK100M	100A—For use on 100 & 125A Rock Solid Load Centers only	1
MBK125M	125A—For use on 125A Rock Solid Load Centers only	1
MBK150M	150A—For use on 150, 200, & 225A Rock Solid Load Centers only	1
MBK200M	200A—For use on 200 & 225A Rock Solid Load Centers only	1
MBK225M	225A—For use on 225A Rock Solid Load Centers only	1
ECMLK125	1 PH Main Lug Conversion Kit 100-125A	1
ECMLK225	1 PH Main Lug Conversion Kit 150-225A	

Lug Kits

Catalog Number	Descripttion	Pack Quantity
ECLK2SC	#2/0 max. lug for 125 amp neutral feeder for 12–42 circuit devices	50
ECLX384M	CB enclosure ground lug	20

Ground Bars and Insulated Neutral Kits

Insulated Neutral Kit

Catalog Number	Descripttion	Pack Quantity
ECLX068M	4 small terminals—15/8" long	10
ECLX069M	5 small and 2 large terminals—3" long	10
ECLX071M	8 small and 3 large terminals—31/2" long	10
ECLX072M	11 small and 4 large terminals—45/8" long	10
ECLX073M	14 small amd 5 large terminals—53/4" long 10	10
ECLX074M	17 small amd 6 large terminals—7" long	10
ECLX075M	21 small amd 7 large terminals—8" long	10
ECINSNB27	Insulated neutral bar with 27 positions	10
ECINSNB32	Insulated neutral bar with 32 positions	10
ECINSNB33	Insulated neutral bar with 33 positions and a 300 MCM lug	10
ECINSNB41	Insulated neutral bar with 41 positions and a 300 MCM lug	10
ECINSNB43	Insulated neutral bar with 43 positions	10

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