

Selection and application guide



Siemens PL and ES Series Load Centers™

www.usa.siemens.com/loadcenters

SIEMENS

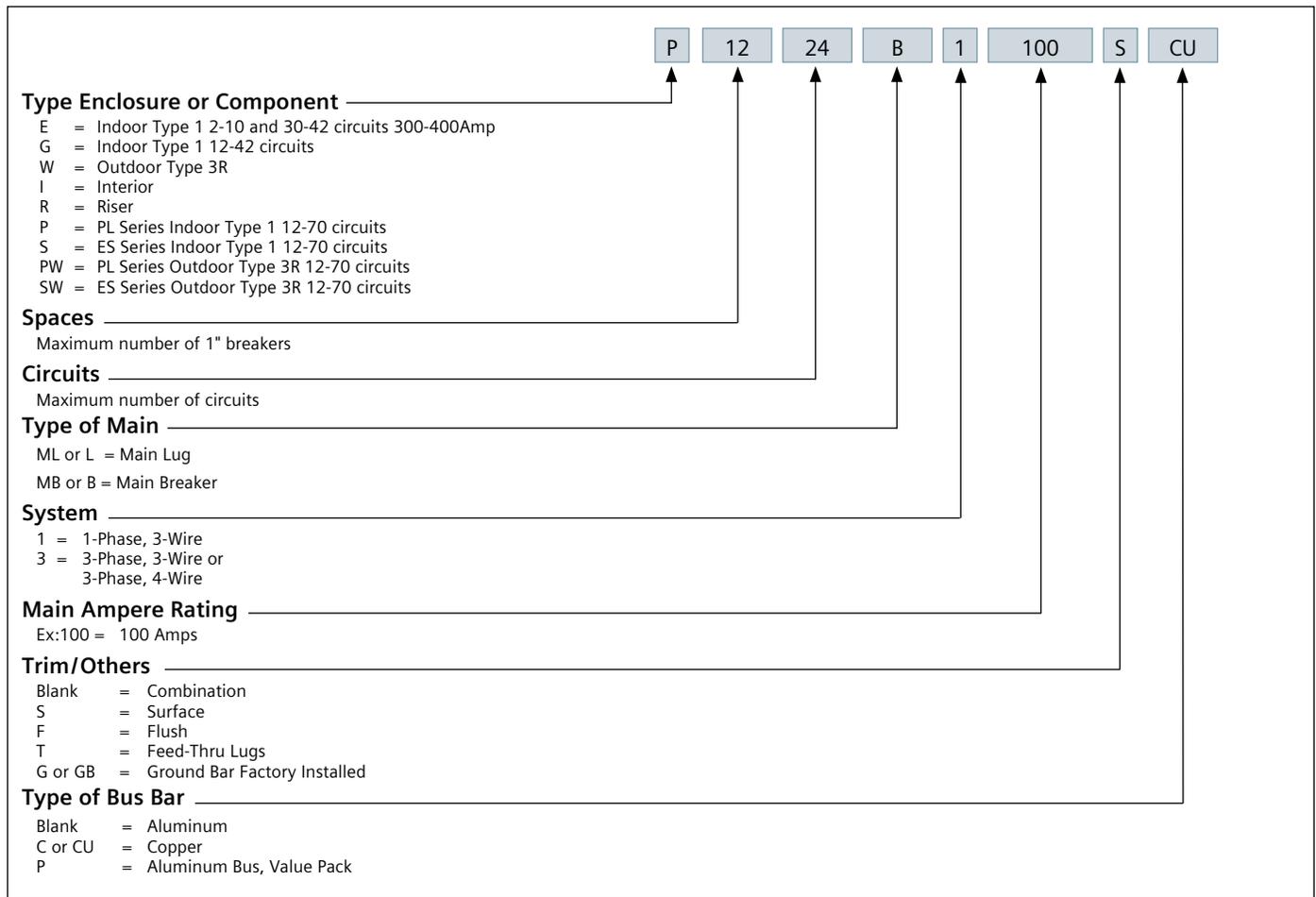
Load Centers

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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 QEU2)
- EQ Circuit Breakers are Listed by UL under file #E82615

Load Centers

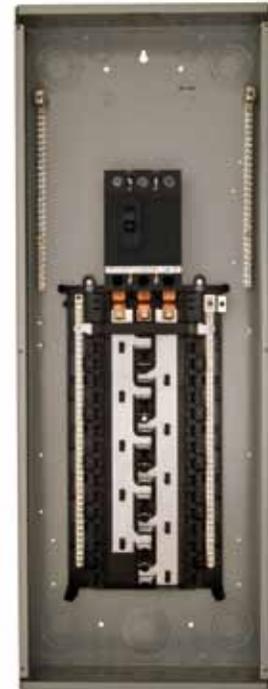
Siemens PL Series and ES Series Load Centers Overview

PL Series:

- Convertible
- Invertible
- Insta-wire neutrals & grounds
- Ground bars included
- Copper busbars
- Dual neutrals on all configurations
- Carton-in-carton packaging
- Lifetime warranty



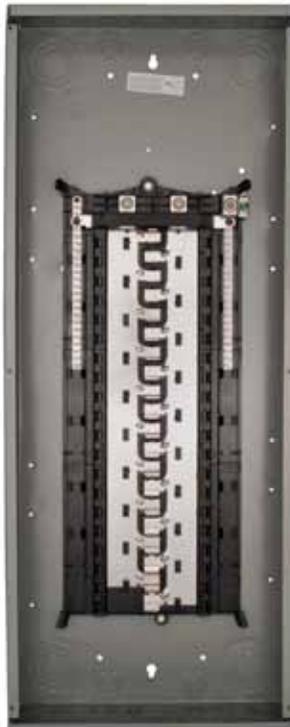
PL Series 1-phase



PL Series 3-phase

ES Series:

- Invertible
- Insta-wire neutrals & grounds
- Aluminum busbars
- Single sided neutral on 24 circuits and below
- Single piece carton packaging
- 10 year warranty



ES Series 1-phase



ES Series 3-phase

PL Series Load Centers

Features

Invertible for bottom feed application.

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

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.

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

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.

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

Copper Bus

PL Series Load Centers ship with trims packaged separately.

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

Product Offering

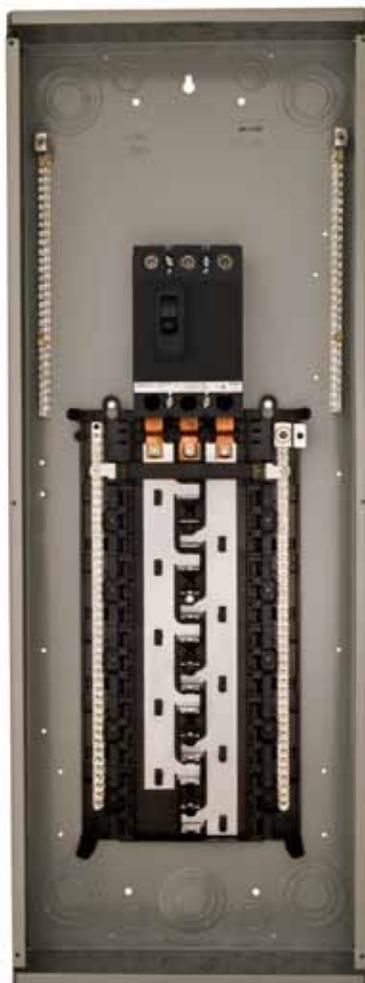
The PL Series Load Center product line provides a wide array of variation to meet any application need.

The following offering is available in the PL Series product line:

- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Un-assembled offering in 3-phase



PL Series
1-phase Main Lug



PL Series
3-phase Main Breaker



Un-assembled 3-phase

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

60/75°C Rated 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 NEW!	35
125	30	30	P3030B1125CU	30	PW3040B1125CU NEW!	35
150	20	30	P2030B1150CU	24	—	—
150	20	30	—	—	PW2030B1150CU NEW!	27
150	30	30	P3030B1150CU	30	—	—
150	30	40	—	—	PW3040B1150CU NEW!	35
200	20	40	P2040B1200CU	30	PW2040B1200CU	27
200	30	40	P3040B1200CU	36	PW3040B1200CU	35
200	30	40	P3040B1200 ^⑤	36	—	—
200	40	40	P4040B1200CU	36	PW4040B1200CU	38
200	40	40	P4040B1200 ^⑤	36	—	—
200	54	70	P5470B1200CU NEW!	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

60/75° Rated 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 ^⑤	36	—	—
200	30	54	P3054L1200CU	36	PW3054L1200CU	35
200	40	40	P4040L1200CU	36	PW4040L1200CU	38
200	40	40	P4040L1200 ^⑤	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 Load Centers have factory installed 100% neutral with factory bonded 75% ground. No neutral tie strap.

Split Ground Series Main Breaker Convertible Load Centers **Copper Bus**
40 Circuits / 200 Amperes **60/75° Rated, 22,000A IR^③**

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

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 Trim^⑤ **Copper or Aluminum Bus^⑦**
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
200	Main Breaker	30	40	P3040B1200W NEW!	36
200	Main Breaker	40	40	P4040B1200W NEW!	36
200	Main Breaker	40	40	P4040B1200CUW NEW!	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 quantities 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 30-70 Circuits / 100-225 Amperes

Copper Bus^{®⑩}
60/75°C Rated 22,000A IR^①

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) ^③
100	12	24	P1224B3100CU [®] NEW!	24	—	—
100	30	42	P3042B3100CU [®]	30	—	—
125	30	30	P3030B3125CU NEW!	39	—	—
150	24	42	P2442B3150CU	36	—	—
150	42	42	P4242B3150CU NEW!	42	—	—
200	30	54	P3054B3200CU	39	PW3054B3200CU	38
200	42	60	P4260B3200CU	42	PW4260B3200CU	42
225	42	60	P4260B3225CU NEW!	42	—	—
225	42	60	P4260B3225TCU [®]	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 Centers^⑤ 12-70 Circuits / 125-225 Amperes

Copper Bus^{®⑩}
60/75° Rated 100,000A 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) ^③
125	12	24	P1224L3125CU [®]	21	PW1224L3125CU [®]	21
200	24	42	P2442L3200CU	36	PW2442L3200CU	35
200	30	54	P3054L3200CU	39	PW3054L3200CU	38
225	42	60	P4260L3225CU	42	PW4260L3225CU [®]	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 Bus^⑤
60/75°C Rated 22,000A IR^①

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 Number ^②
100	30	42	PI3042B3100CU ^②	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 Bus^⑤
60/75°C Rated 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 Number ^②
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

Main breaker convertible to main lug but main lug not convertible.

Invertible for bottom feed application.

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.

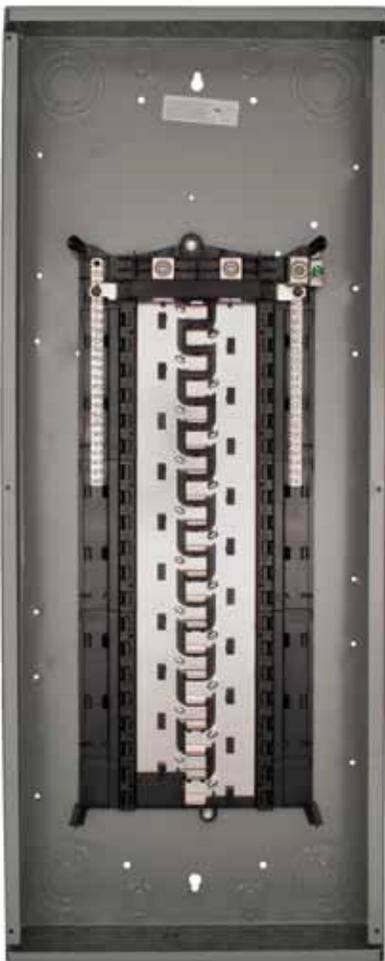
ES Series Load Centers

Product Offering

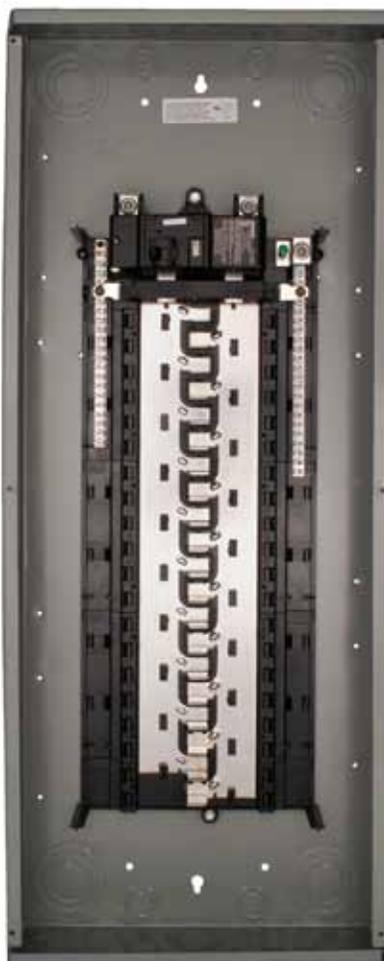
The ES Series Load Center product line provides a wide array of variation to meet any application need.

The following offering is available in the ES Series product line:

- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Value packs – a mix of branch breakers provided with the load center.



ES Series
1-phase Main Lug



ES Series
1- phase Main Breaker



ES Series
3-phase Main Breaker

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

60/75°C Rated 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) ^②
100	10	20	S1020B1100 NEW!	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 NEW!	21
125	16	24	S1624B1125 NEW!	21	—	—
125	16	32	—	—	SW2024B1125 NEW!	27
125	24	24	S2424B1125	24	SW2424B1125 NEW!	27
125	30	30	S3030B1125	30	—	—
125	30	40	S3040B1125 NEW!	30	SW3040B1125 NEW!	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 NEW!	30	SW3040B1150 NEW!	35
150	40	40	—	—	SW4040B1150 NEW!	38
200	16	32	S1632B1200 NEW!	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 NEW!	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

60/75° Rated 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) ^②
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 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
60/75° Rated 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 [®]	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 [®]	36

Outdoor Trailer Panels 16 Circuits / 200 Amperes

Aluminum Bus
60/75° Rated 100,000A IR

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Main Breaker		Enclosure Height (inches) ^②
200	8	16	SW0816L1200T	N/A	N/A	23
200	8	16	SW0816B1200T [®]	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 NEW!	S3054B1200	(3) Q120, (1) Q230

Split Ground Series Load Centers^④

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 NEW!	21
150	30	30	S3030B1150SG NEW!	30
200	40	40	S4040B1200SG NEW!	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 NEW!	24	SW2424C1125 NEW!	27	ECMLK125	MBK100A, MBK125A
200	30	40	S3040C1200 NEW!	36	SW3040C1200 NEW!	35	ECMLK225	MBK150A, MBK200A, MBK225A
200	40	40	S4040C1200 NEW!	36	SW4040C1200 NEW!	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 30-60 Circuits / 100-225 Amperes

Aluminum Bus
60/75°C Rated 10,000A IR^①

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) ^②
100	12	24	S1224B3100 ^② NEW!	24	—	—
100	30	30	S3030B3100 ^②	30	—	—
100	30	42	S3042B3100 ^②	30	—	—
150	24	42	S2442B3150	36	SW2442B3150	35
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 Centers^{⑤⑥} 12-70 Circuits / 125-225 Amperes

Aluminum Bus
60/75° Rated 100,000A IR^⑦

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) ^②
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.



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 Number®	Std. Pkg.	Dimensions (inches)			Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches)		
					Height	Width	Depth				Height	Width	Depth®
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 Number®	Std. Pkg.	Dimensions (inches)			Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches)		
					Height	Width	Depth				Height	Width	Depth®
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 Number®	Std. Pkg.	Dimensions (inches)			Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches)		
					Height	Width	Depth				Height	Width	Depth®
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)			Trim Style	Catalog Number	Std. Pkg.	Dimensions (inches)		
					Height	Width	Depth				Height	Width	Depth®
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 W0606ML1400CU 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.

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: GENTFRSWTCH[®]

Indoor Enclosure – NEMA Type 1

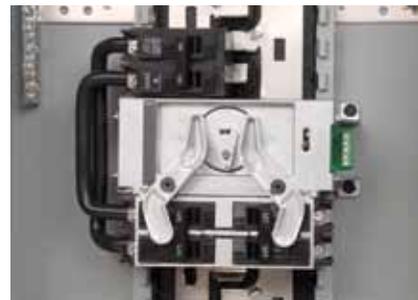
Amp Rating	No. of Spaces ^②	No. of Circuits ^②	Catalog Number	Dimensions (inches)		
				Height	Width	Depth
200	30	42	G3042B1200GEN	42	14.25	4
225	30	42	G3042L1225GEN	42	14.25	4

Outdoor Enclosure – NEMA Type 3R

Amp Rating	No. of Spaces ^②	No. of Circuits ^②	Catalog Number	Dimensions (inches)		
				Height	Width	Depth
200	30	42	W3042B1200GEN	42	14.63	4
225	30	42	W3042L1225GEN	42	14.63	4



NEMA 1



GENTFRSWTCH



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 Centers^①

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.

Riser Gutter Tap Kit^{②③}

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)



R1632L1125CU



ECRLK250



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 Bus[Ⓞ]

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)			Catalog Number	Std. Pkg.	Dimensions (inches)		
						H	W	D			H	W	D
100	12	24	6	E1224ML1100FG [Ⓞ]	1	14 3/4	12 3/8	3 7/8	—	—	—	—	
125	4	8	2	E0408ML1125F ^{ⓄⓈ}	5	12 5/8	6 5/8	3 1/2	W0408ML1125 ^{ⓈⓈ}	5	12 1/4	6	4 1/4
125	4	8	2	—	—	—	—	—	W0408L1125SPA50 ^{ⓈⓈ}	1	12 1/4	6	4 1/4
125	4	8	2	—	—	—	—	—	W0408L1125SPA60 ^{ⓈⓈ}	1	12 1/4	6	4 1/4
125	8	16	4	E0816ML1125F [Ⓞ]	1	14 3/4	12 3/8	3 7/8	—	—	—	—	

Main Lug and Main Breaker with Copper Bus^{ⓄⓈ}

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)			Catalog Number	Std. Pkg.	Dimensions (inches)		
						H	W	D			H	W	D
100	10	20	4	E1020MB1100FCGP [Ⓞ]	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 [Ⓞ]	1	14 3/4	12 3/8	3 7/8	W0816ML1125CU [Ⓞ]	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 [Ⓞ]	1	23	10	4 1/8
200	4	4	2	—	1	—	—	—	W0404MB1200CT ^{ⓈⓈ}	1	20	11 1/8	4 3/4
150	4	4	2	—	1	—	—	—	W0404MB1150CTS ^{ⓈⓈ}	1	20	11 1/8	4 3/4
200	4	4	2	—	1	—	—	—	NEW! W0404MB1200CTS ^{ⓈⓈ}	1	20	11 1/8	4 3/4
									NEW!				

Ⓞ 70 amp maximum breaker.
 Ⓢ Will not accommodate 2-pole GFCI or circuit breaker with shunt trip.
 Ⓢ 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.
 Ⓢ 100 amp maximum breaker.

Ⓞ 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).
 Ⓢ Suitable for use as service entrance when not more than six main disconnecting means are provided. Check local codes and restrictions.
 Ⓢ Two Q115 and one Q230 breaker included.
 Ⓢ W0408L1125SPA50 provided with factory installed QF50 and ground bar. W0408L1125SPA60 provided with factory installed QF260 and ground bar.

Ⓞ Copper Bus load centers are recommended for those applications where the environment may be severe (i.e. farm and coastal areas).
 Ⓢ 2" HS Type hub provided.
 Ⓢ Type QNR main breaker factory installed.
 Ⓢ CSA Listed
 Ⓢ 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)



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)			Catalog Number	Std. Pkg.	Dimensions (inches)		
					Height	Width	Depth			Height	Width	Depth

1-Phase, 3-Wire SN — 120/240 Volts AC

QP, QPH, HQP	60	2	E0204ML1060S®	5	9 7/8	5 1/8	2 5/8	W0204ML1060®	5	8	5	4 1/4
	60	2	E0204ML1060F®	5	9 7/8	5 1/8	2 5/8	—	—	—	—	—
	100	2	E0202MB1100	1	17 1/8	7 3/8	4 5/16	W0202MB1100CU®	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	7 3/8	4 5/16
QN, QNH, HQN	150	2	—	—	—	—	—	W0202MB1150CU®	1	19 3/4	8.4	4.6
	200	2	—	—	—	—	—	W0202ML1200CU	1	19 3/4	8.4	4.6
	200	2	E0202MB1200®	—	19 3/8	8 1/2	4	W0202MB1200CU®	1	19 3/4	8.4	4.6
QPP, QPPH, HQPP, QP	225	1-4	—	—	—	—	—	W0406ML1225CU®	1	23	10	4 1/8
QJ2,	150	2	—	—	—	—	—	WB2150B®	1	27	7 3/8	4 15/16
QJH2,	200	2	—	—	—	—	—	WB2200B®	1	27	7 3/8	4 15/16
QJ2-H	225	2	—	—	—	—	—	WB2225®	1	27	7 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®	1	17 1/8	7 1/8	4 1/4	W0303ML3100®	1	17 1/8	7 3/8	4 5/16
BQ, BQH, HBQ	100	2-3	EB3100S®	1	17 1/8	7 1/8	4 1/4	WB3100®	1	17 1/8	7 3/8	4 5/16
QJ2, QJH2, QJ2-H	225	2-3	EB3225F®	1	27 1/4	10 1/8	5 1/8	WB3225®	1	27	10 1/8	5 9/16

Ⓢ Will not accommodate 2-pole GFCI or circuit breaker with shunt trip.
 Ⓢ 42,000A IR maximum. Copper wire only at 225A.

Ⓢ 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.

Ⓢ Main breaker factory installed.
 Ⓢ QJ2 frame circuit breaker installed, rated 10,000A IR.
 Ⓢ CSA Listed.

Load Centers

Load Center OEM Interiors^①

1Ø: Small Circuit Main Lug Interiors

Amps	Catalog Number ^②	Spaces	Circuits	Dimensions	
				Height	Width
60	I0204ML1125	2	2	5.06	2.12
60	I0303ML3100	3	3	5.06	3.12
125	I0408ML1125	4	8	4.51	6.61
125	I0816ML1125CU	8	16	6.19	6.81
125	I0816ML1125CUSP	8	16	6.19	6.81
200	I0202L1200	4	4	3.88	7.13
200	I1220L1200CT	12	20	9.00	7.00

1Ø: High Circuit Main Lug Interiors with Neutral Bars^④

Amps	Catalog Number ^②	Spaces	Circuits	Dimensions	
				Height	Width
125	I1224L1125CU	12	24	10.80	9.80
125	I1624L1125CU	16	24	12.80	9.80
125	I3040L1125CU	30	40	20.80	9.80
200	I0816L1200CT ^③	8	16	10.80	9.80
200	I1224L1200CU	12	24	10.80	9.80
200	I1632L1200CU	16	32	12.80	9.80
200	I2040L1200CU	20	40	14.80	9.80
200	I3040L1200CU	30	40	14.80	9.80
200	I4040L1200CU	40	40	24.80	9.80
225	I4242L1225CU	42	42	26.80	9.80

3Ø: Main Lug Interiors^②

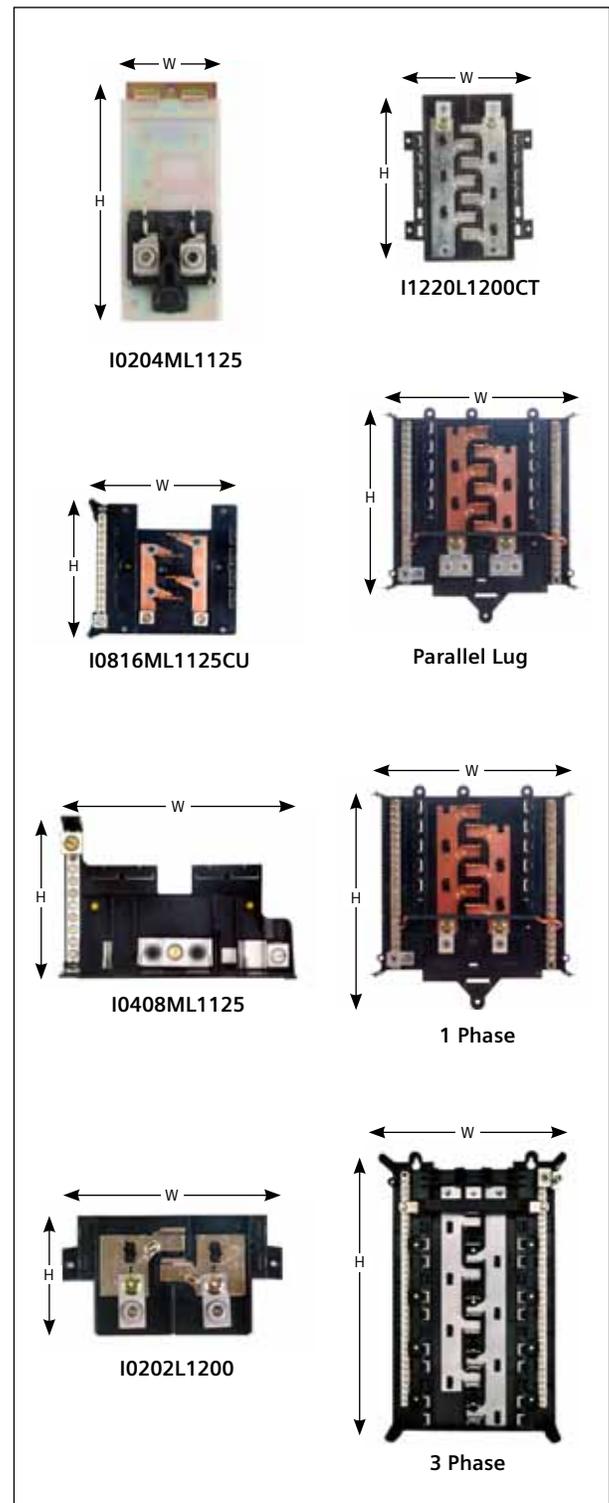
Amps	Catalog Number	Spaces	Circuits	Dimensions	
				Height	Width
125	SI1224L3125B	12	24	10.04	9.95
200	SI1224L3200B	12	24	10.04	9.95
200	SI2442L3200B	24	42	16.04	9.95
200	SI3054L3200B	30	54	19.04	9.95
225	SI4242L3225B	42	42	25.04	9.95
125	PI1224L3125CUB	12	24	10.04	9.95
200	PI1224L3200CUB	12	24	10.04	9.95
200	PI1836L3200CUB	18	36	13.04	9.95
200	PI2442L3200CUB	24	42	16.04	9.95
200	PI3054L3200CUB	30	54	19.04	9.95
225	PI4242L3225CUB	42	42	25.04	9.95

1Ø: Parallel Lug Interiors with Neutral Bars

Amps	Catalog Number ^②	Spaces	Circuits	Dimensions	
				Height	Width
200	CTI2040L1200CU	20	40	14.80	9.80
200	CTI2440L1200CU	24	40	16.80	9.80
200	CTI3040L1200CU	30	40	20.80	9.80

Lug Data

Interior	Amperage	Wire range	Torque
I0204ML1060	60	2/0 - 4 AWG	45 lb. - ins.
I0303ML3100	100	2/0 - 4 AWG	45 lb. - ins.
I1224ML1100	100	2/0 - 4 AWG	45 lb. - ins.
I0408ML1125	125	2/0 - 4 AWG	45 lb. - ins.
I0816ML1125CU/CUSP	60	2/0 - 4 AWG	45 lb. - ins.
Single Phase	125	2/0 - 4 AWG	110 lb. - ins.
Single Phase	200/225	300 kcmil - 4 AWG	250 lb. - ins.
Three Phase	125	300 kcmil - 6 AWG	340 lb. - ins.
Three Phase	200/225	300 kcmil - 6 AWG	340 lb. - ins.



① UL Recognized Components.

② The letters "CU" in any catalog number represent copper bus bars.

③ Feed thru lugs provided.

④ Convertible to main breaker using the MBK main breaker kits.

Load Centers

Load Center Accessories^①

Catalog Number	Description	Pack Qty
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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/O LUG	1
EC2GB12	GROUND BAR KIT-12 POS, #14-4	1
EC2GB122	GROUND BAR KIT-12 POS, #14-4 w/ 2/O LUG	1
EC2GB15	GROUND BAR KIT-15 POS, #14-4	1
EC2GB152	GROUND BAR KIT-15 POS, #14-4 w/ 2/O LUG	1
EC3GB21	GROUND BAR KIT-21 POS, #14-4	1
EC3GB212	GROUND BAR KIT-21 POS, #14-4 w/ 2/O LUG	1
EC3GB27	GROUND BAR KIT-27 POS, #14-4	1
EC3GB272	GROUND BAR KIT-27 POS, #14-4 w/ 2/O LUG	1
EC3GB30	GROUND BAR KIT-30 POS, #14-4	1
EC3GB302	GROUND BAR KIT-30 POS, #14-4 w/ 2/O LUG	1
EC3GB352	GROUND BAR KIT-35 POS, #14-4 w/ 2/O 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/O LUG	1
ECGB14	GROUND BAR KIT-14 POS	1
ECGB141	GROUND BAR KIT-14 POS, 1/O LUG	1
ECGB142	GROUND BAR KIT-14 POS, 2/O LUG	1
ECGB20	GROUND BAR KIT-20 POS	1
ECGB201	GROUND BAR KIT-20 POS, 1/O LUG	1
ECGB202	GROUND BAR KIT-20 POS, 2/O 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

Catalog Number	Description	Pack Qty
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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/O	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/O FOR EQIII LC	1
ECLK2	NEUTRAL LUG KIT #4-2/O FOR EQIII LC	1
ECLK2SC	2/O 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	1
EC3PMFP1	3 POLE MAIN FILLER PLATE	1
ECSMK1	SURFACE MOUNT 1/4" SPACE KIT FOR LC'S	4
ECS2	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

Neutral Bar Kits

ECLNB14 NEW!	MLO NEUTRAL BAR KIT-14 POS	1
ECLNB16 NEW!	CONVERTIBLE LC NEUTRAL BAR KIT-16 POS	1

① The pack quantity is the number that is sold in a pack. Items listed on this page must be ordered in multiples 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.

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

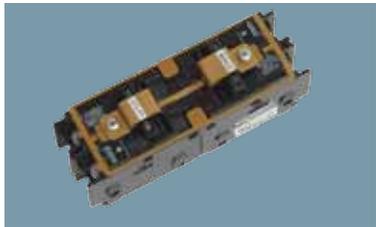


Add-A-Lock (Flush Lock), **ECQFL3**
300-400A Load Centers

Load Centers

Manual Transfer Interlock Kits for Load Centers and Meter Combinations

Convert load centers or meter combinations into standby power panels



Standard features

- UL listed for use in most Siemens load centers and meter combinations
- Suitable for use with optional standby systems in accordance with article 702 of the National Electric Code
- Corrosion resistant finish
- Easy assembly requiring no modifications to the load center or meter combination
- Remains attached to the main breakers when load center cover

Panels in which the bussing or wire forms from the meter socket land on main lugs are not acceptable for use in standby systems because turning the main breaker to "OFF" does not prevent feedback to the utility power lines. Examples of such panels include catalog numbers that start with the following letters.

MC0606L1200*

MM0406L1*

MC1212L1200*



Wire forms or bussing



Utility main breaker Standby power main breaker



To activate standby power the utility main breaker must be in the "OFF" position to prevent dangerous feedback between the power sources.

Acceptable usage of Interlock Kits by load center/meter combination catalog numbers

ES Series Load Centers can utilize interlock kits: 1, 2, 5, 6, 7. Kits 3 and 4 can also be used on main breaker panels.

PL Series Load Centers can utilize interlock kits: 1, 2, 3, 4, 5, 6, 7.

Numbers 1 through 9 in these tables represent the last digit in each interlock kit catalog number. Example: 1 = ECSBPK01

When used in horizontal positions as typical in most load centers, ECSBPK07 is recommended for use only with QNR type circuit breakers.

Standby power interlock kits are not intended for use with AFCI, GFCI, 3-pole or 1/2" frame circuit breakers and 4 space, 125 amp load centers.

Siemens type EQ load centers using a "4-pole" main breaker do not have a kit available to interlock this main to branch circuits. Branch circuit positions can be interlocked.

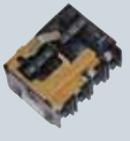
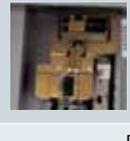
Siemens Meter Combinations

MC0816B1150RTH	5 7	MC2040B1200	5 7
MC0816B1150T	5 7	MC2040B1200R	5 7
MC0816B1150TH	5 7	MC2442B1200FEC	2
MC0816B1200FCTM	2	MC2442B1200SEC	2
MC0816B1200RT	5 7	MC3040B1200SECW	5 7
MC0816B1200RTB	5 7	MC3042B1200FED	3
MC0816B1200RTH	5 7	MC3042B1200SED	3
MC0816B1200SCTM	2	MC3042B1225FED	3
MC0816B1200T	7	MC3042B1225SED	3
MC0816B1200TH	5 7	MC4040B1200SECW	5 7
MC0816B1350RLTM	5 7	MC0816B1200RJBT	8
MC0816B1400RLTM	5 7	MC0816B1150RJBT	8
MC1224B1100FEC	2	MC0816B1200RCT	8
MC1224B1100SEC	2	MC0816B1150RCT	8
MC1224B1125	1 2	MC0816B1200CT	8
MC1224B1125FEC	2	MC0816B1150CT	8
MC1224B1125SEC	2	MC2040B1150RCT	9
MC1632B1100SEC	2	MC2040B1150CT	9
MC1632B1125FEC	2	MC2040B1200RCT	9
MC2040B1150	5 7	MC2040B1200CT	9

Load Centers

Manual Transfer Interlock Kits for Load Centers and Meter Combinations^①

Prevents dangerous feedback between two sources of power

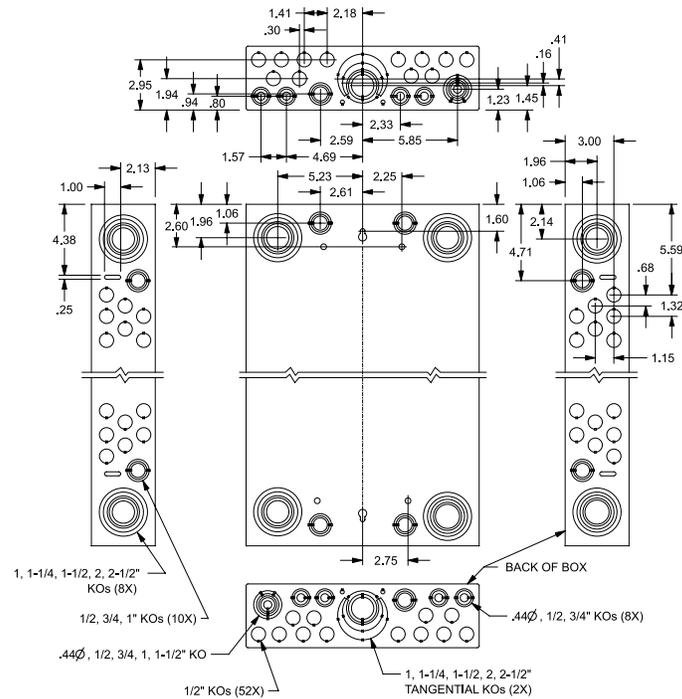
Catalog number	Usage Information	Utility main breaker types	Standby main breaker types	Interlock number
 ECSBPK01	For use on load centers or meter combinations that will accept 2-pole circuit breakers opposite one another as shown.	QP, QPH, HQPH	QP, QPH, HQPH	1 
 ECSBPK02	For use on load centers or meter 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 
 ECSBPK03 ^②	For use on Ultimate TM and Rock Solid load centers, 150 amp and higher, to connect the main breaker to a 2-pole circuit breaker.	MBK150A, MBK200A, OR MBK225A	QP, QPH, HQPH	3 
 ECSBPK04 ^②	For use on Ultimate and Rock Solid load centers, 125 amp and lower, to connect the main breaker to a 2-pole circuit breaker.	MBK100A or MBK125A	QP, QPH, HQPH	4 
 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 ^②	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 
 ECSBPK08 ^②	For use on 8 space, over/under, OH/UG feed meter combinations as shown. Limited application to specific catalog numbers.	QPP, QPPH	QP, QPH, HQPH	8 
 ECSBPK09 ^②	For use on 20 space, over/under, OH/UG feed meter combinations as shown. Limited application to specific catalog numbers.	QPP, QPPH	QP, QPH, HQPH	9 

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

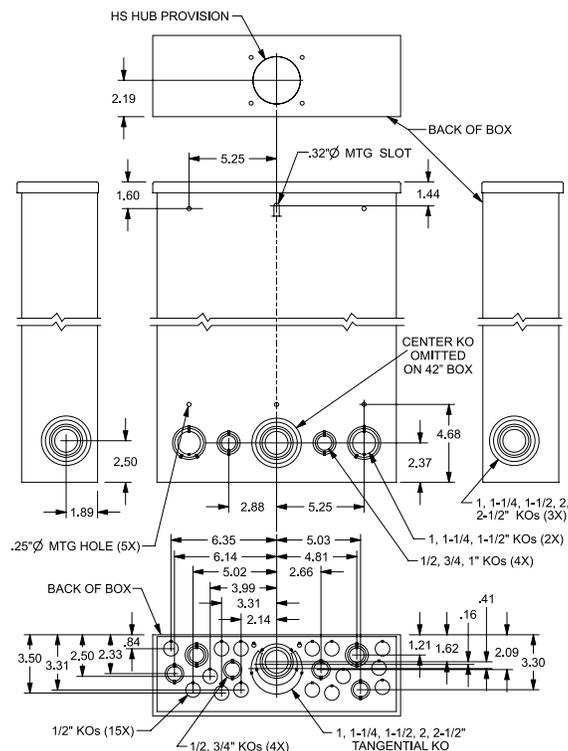
^② These kits take up 2 spaces adjacent to the 2 pole breaker being interlocked. Those spaces cannot accommodate filler plates.

Load Centers

1-Phase Indoor and 1-Phase & 3-Phase Outdoor Enclosures—Knockout Diagrams



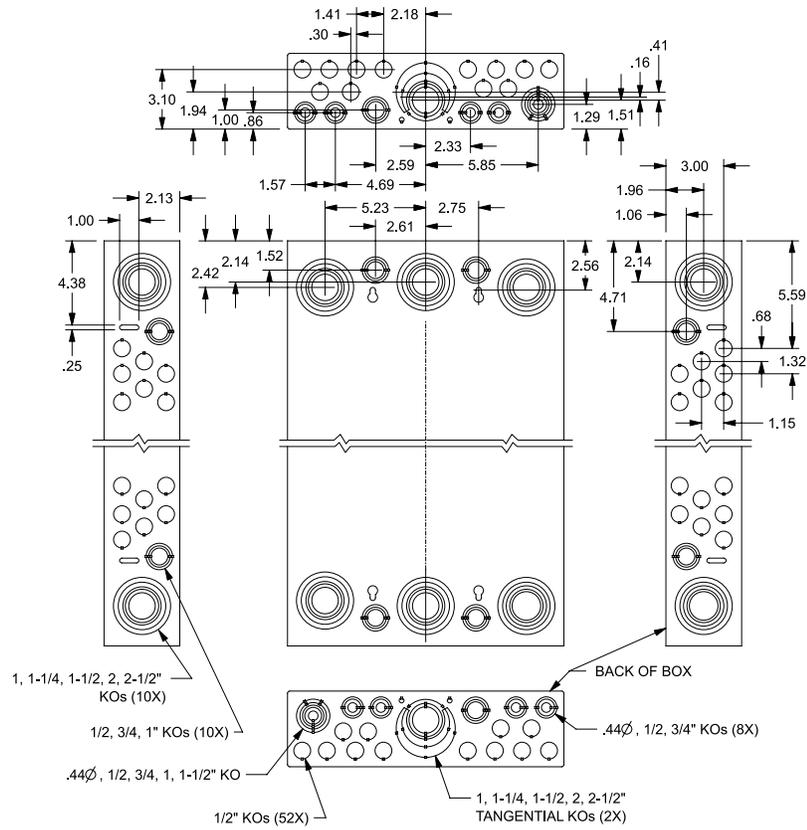
**ES, PL, and Generator Ready
1 Phase Load Centers
Indoor**



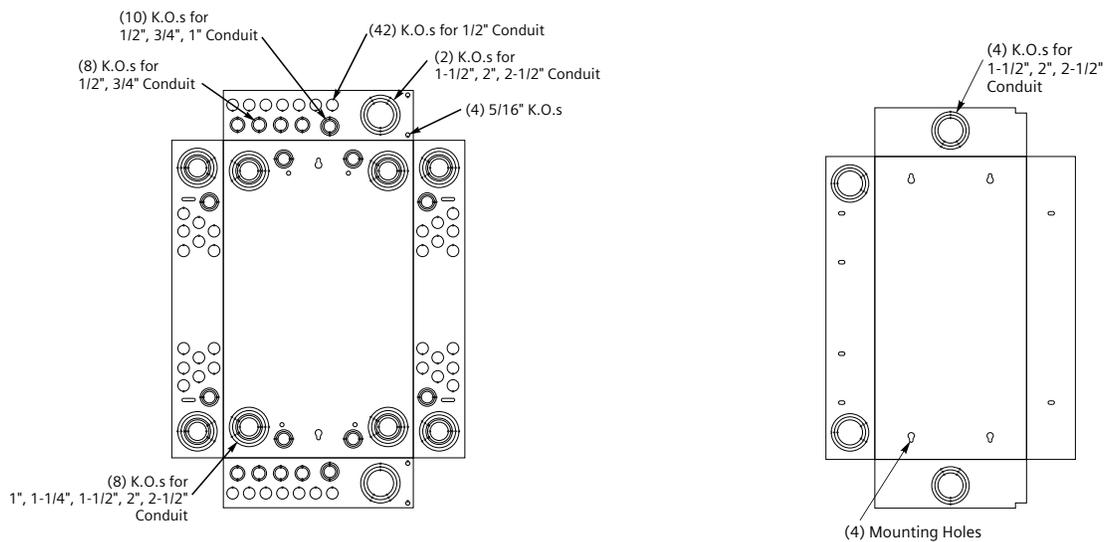
**ES, PL, and Generator Ready
1 and 3 Phase Load Centers
Outdoor**

Load Centers

3-Phase Indoor and Riser Enclosures—Knockout Diagrams



**ES and PL
3 Phase Load Centers**

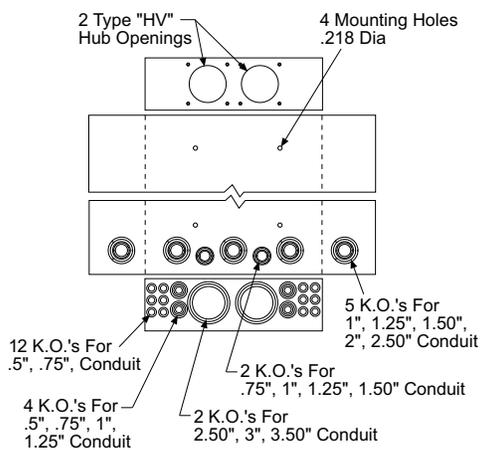


All Riser Panels

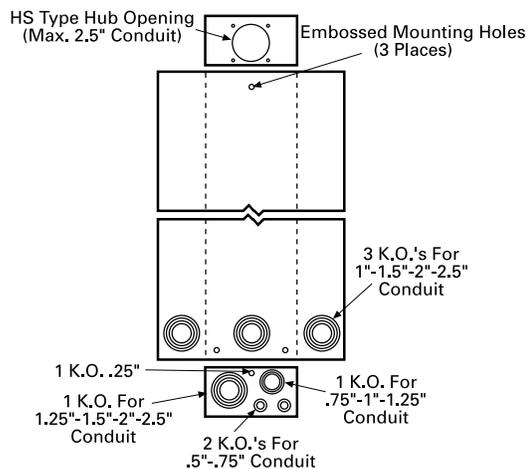
RAG24

Load Centers

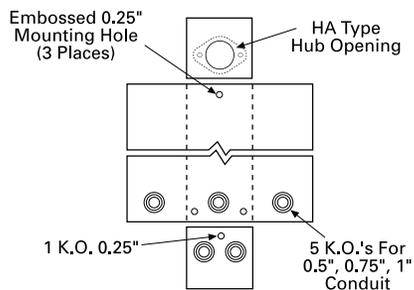
Outdoor Enclosures—Knockout Diagrams



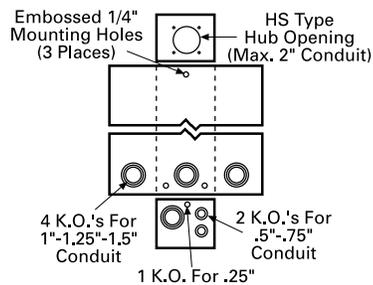
**Outdoor 400A
Load Center**



W0406ML1125CU



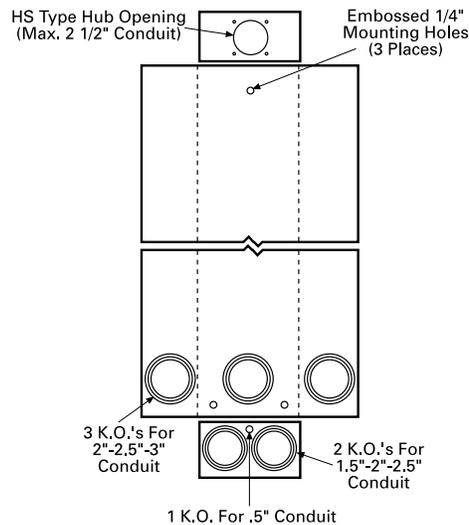
W0204ML1060



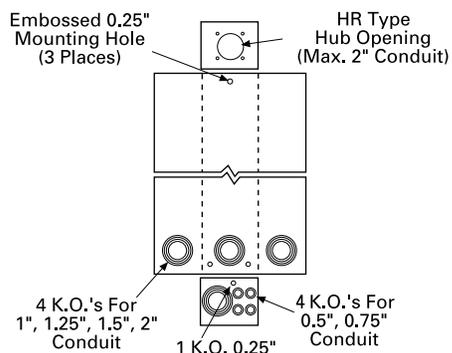
W0408ML1125

Load Centers

Outdoor Enclosures—Knockout Diagrams



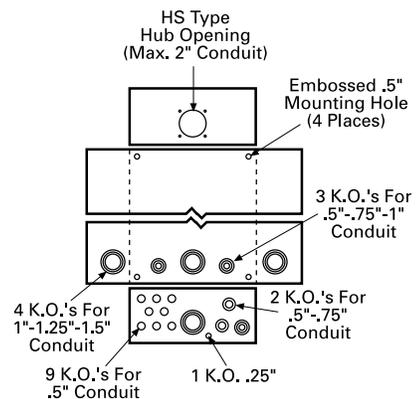
WB2225 and WB32225



W0204ML1125

W0303ML3100

WB3100

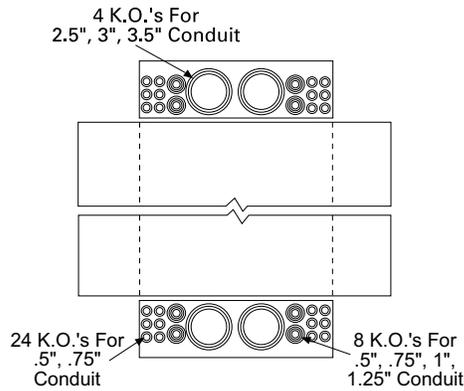


W0612ML1125

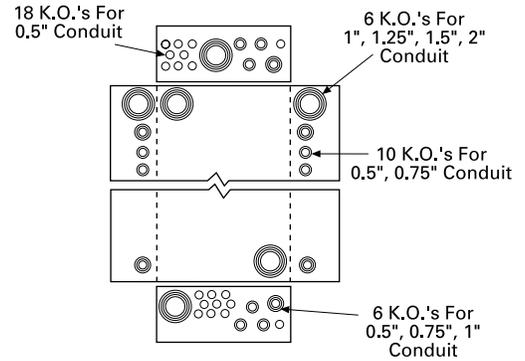
W0816ML1125

Load Centers

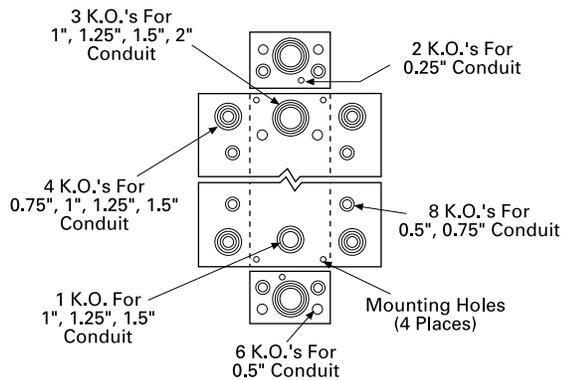
Indoor Enclosures—Knockout Diagrams



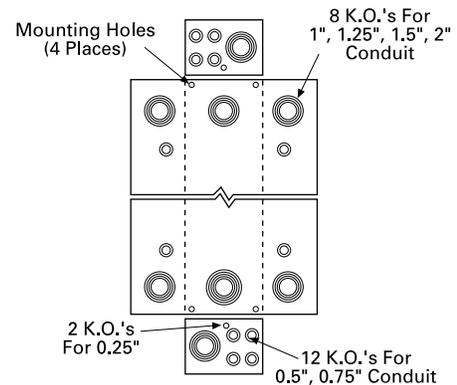
**Indoor 300-400A
Load Center**



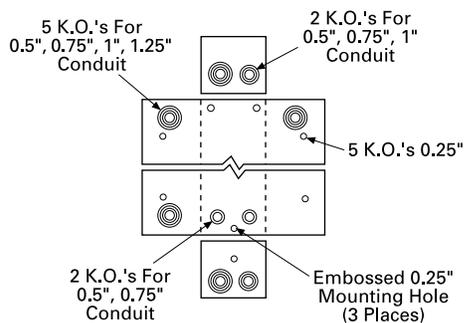
**E0612ML1125
E0816ML1125
E1224ML1100F**



E0408ML1125



**E0303ML3100SCU
EB3100**



E0204ML1060

Load Centers

Cross Reference

Ultimate Load Center Cross Reference to ES Series and PL Series

Phase	Type	Current Sku	ES Series	PL Series
1 Phase	Indoor	New	—	P3040L1200SG
		New	—	P4040L1200SG
		New - Higher Circuits	—	P4260L1225CUSG
		New - Higher Circuits	S3054L1200	P3054L1200CU
		New - Higher Circuits	S5470B1225	P5470B1225CU
		New - Higher Circuits	S5470L1225	P5470L1225CU
		New - Higher Circuits	SW3054L1200	PW3054L1200CU
		G1212L1125	S1212L1125	-
		G1212L1125CU	—	P1212L1125CU
		G1224B1100	S1224B1100	-
		G1224B1100CU	—	P1224B1100CU
		G1224L1125	S1224L1125	-
		G1224L1125CU	—	P1224L1125CU
		G1224L1125CUSG	—	P1224L1125CUSG
		G1224L1200CU	S1224L1200	P1224L1200CU
		G1624B1100	S1624B1100	-
		G1624B1100CU	—	P1624B1100CU
		G1624B1100W	S1624B1100W	-
		G1624L1125	S1624L1125	-
		G1624L1125CU	—	P1624L1125CU
		G1624L1125CUSG	—	P1624L1125CUSG
		G1630B1150	S1630B1150	-
		G2020B1100	S2020B1100	-
		G2020B1100CP	S2020B1100P	-
		G2020B1100CU	—	P2020B1100CU
		G2020L1125	S2020L1125	-
		G2020L1125CU	—	P2020L1125CU
		G2020L1125CUW	S2020L1125W	—
		G2030B1150	S2030B1150	—
		G2030B1150CU	—	P2030B1150CU
		G2030L1125CUSG	—	P2030L1125CUSG
		G2030L1150	S2030L1150	—
		G2030L1150CU	—	P2030L1150CU
		G2030L1150CUSG	—	P2030L1150CUSG
		G2040B1200	S2040B1200	—
		G2040B1200CU	—	P2040B1200CU
		G2040L1200	S2040L1200	—
		G2040L1200CU	—	P2040L1200CU
		G2424B1100CU	—	P2424B1100CU
		G2424B1125	S2424B1125	—
		G2424L1125	S2424L1125	—
		G2424L1125W	S2424L1125W	—
		G2430B1150	S2430B1150	—
		G2430L1125CUSG	—	P2430L1125CUSG
		G2440B1200	S2440B1200	—
		G2440L1125CU	S2440L1125	P2440L1125CU
		G2440L1200	S2440L1200	—
		G2440L1200CU	—	P2440L1200CU
		G3030B1100CU	S3030B1100	P3030B1100CU
		G3030B1150	S3030B1150	—
		G3030B1150CU	—	P3030B1150CU
		G3030L1200	S3030L1200	—
		G3030L1200CU	—	P3030L1200CU
		G3030L1200W	S3030L1200W	—
		G3040B1200	S3040B1200	P3040B1200
		G3040B1200CP	S3040B1200P	—
		G3040B1200CU	—	P3040B1200CU
		G3040L1125CU	—	P3040L1125CU
		G3040L1125CUW	S3040L1125W	—
		G3040L1200	S3040L1200	P3040L1200
		G3040L1200CP	S3040L1200P	—
		G3040L1200CU	—	P3040L1200CU
		G3040L1200CUSG	—	P3040L1200CUSG
		G4040B1200	S4040B1200	P4040B1200
		G4040B1200CP	S4040B1200P	—
		G4040B1200CU	—	P4040B1200CU
		G4040B1200W	S4040B1200W	P4040B1200W
		G4040L1125CU	S4040L1125	P4040L1125CU
		G4040L1200	S4040L1200	P4040L1200
		G4040L1200CU	—	P4040L1200CU
		G4040L1200CUSG	—	P4040L1200CUSG
		G4242B1225CU	S4260B1225	P4260B1225CU
		G4242L1225CU	S4260L1225	P4260L1225CU
		G2020B1100SP	S2024B1100	P2024B1100CU
		G2020L1125SP	S2020L1125G	—
G2024L1125SP	S2024L1125/S2024L1125G	P2024L1125CU		
G2424L1125SP	S2424L1125G	—		
G3030B1125CU	S3030B1125	P3030B1125CU		
G3040L1125	S3040L1125/S3040L1125G	—		
G4040B1200CUSG	—	P4040B1200CUSG		

Load Centers

Cross Reference

Ultimate Load Center Cross Reference to ES Series and PL Series

Phase	Type	Current Sku	ES Series	PL Series
1 Phase	Outdoor	W0816B1200CT	SW0816B1200T	PW0816B1200TC
		W0816L1200CT	SW0816L1200T	PW0816L1200TC
		W1212L1125CU	SW1212L1125	PW1212L1125CU
		W1224B1100CU	SW1224B1100	PW1224B1100CU
		W1224L1125CU	SW1224L1125	PW1224L1125CU
		W1224L1200CU	SW1224L1200	PW1224L1200CU
		W1224L1225CU	SW1224L1225	PW1224L1225CU
		W1624B1100CU	SW1624B1100	PW1624B1100CU
		W1624L1125CU	SW1624L1125	PW1624L1125CU
		W2020B1100CU	SW2020B1100	PW2020B1100CU
		W2030L1150CU	SW2030L1150	PW2030L1150CU
		W2040B1200CU	SW2040B1200	PW2040B1200CU
		W2040L1200CU	SW2040L1200	PW2040L1200CU
		W2424L1125CU	SW2424L1125	—
		W3040B1200CU	SW3040B1200	PW3040B1200CU
		W3040L1125CU	SW3040L1125	PW3040L1125CU
		W3040L1200CU	SW3040L1200	PW3040L1200CU
		W4040B1200CU	SW4040B1200	PW4040B1200CU
		W4040L1200CU	SW4040L1200	PW4040L1200CU
		W4242B1225CU	SW4260B1225	PW4260B1225CU
		W4242L1225CU	SW4260L1225	PW4260L1225CU
		New	S4242B3150	—
		New – Higher Circuits	—	P5470B3225CU
		New – Higher Circuits	S5470L3225	P5470L3225CU
		G1224L3125CU	S1224L3125	P1224L3125CU
		G1224L3200CU	S1224L3200	—
		G1836L3150CU	S1836L3150	—
		G2442B3150CU	S2442B3150	P2442B3150CU
G2442B3150CU22	—	P2442B3150CU		
G2442L3150CU	S2442L3150	—		
G2442L3200CU	S2442L3200	P2442L3200CU		
G3030B3100CU	S3030B3100	P3042B3100CU		
G3030B3100CU22	—	P3042B3100CU		
G3042B3200CU	S3054B3200	P3054B3200CU		
G3042L3200CU	S3054L3200	P3054L3200CU		
G4242B3200CU	S4260B3200	P4260B3200CU		
G4242B3225CU	S4242B3225	P4260B3225TCU/ P4260B3225CU		
G4242L3225CU	S4260L3225	P4260L3225CU		
3 Phase	Indoor	W1224L3125CU	SW1224L3125	PW1224L3125CU
		W1224L3200CU	SW1224L3200	—
		W1836L3150CU	SW1836L3150	—
		W2442B3150CU	SW2442B3150	—
		W2442L3150CU	SW2442L3150	—
		W2442L3200CU	SW2442L3200	PW2442L3200CU
		W3042B3200CU	SW3054B3200	PW3054B3200CU
		W3042B3200CU22	—	PW3054B3200CU
		W3042L3200CU	SW3054L3200	PW3054L3200CU
		W4242B3200CU	SW4260B3200	PW4260B3200CU
	Outdoor	W4242B3200CU22	—	PW4260B3200CU
		W4242B3225CU	SW4242B3225	PW4260B3225CU
		W4242L3225CU	SW4260L3225	—

Notes:

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