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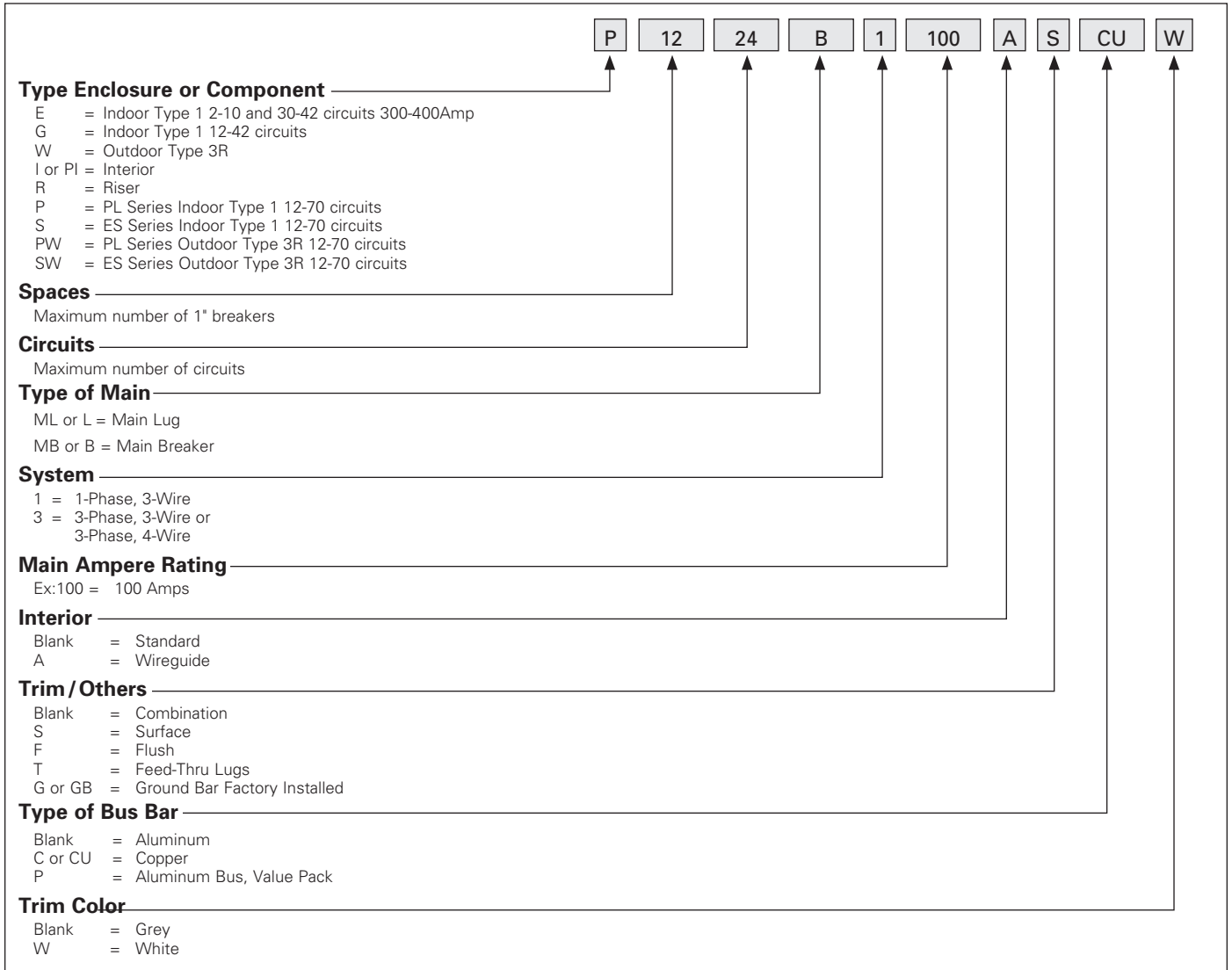
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# Load Centers

## Catalog Numbering System

### 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:

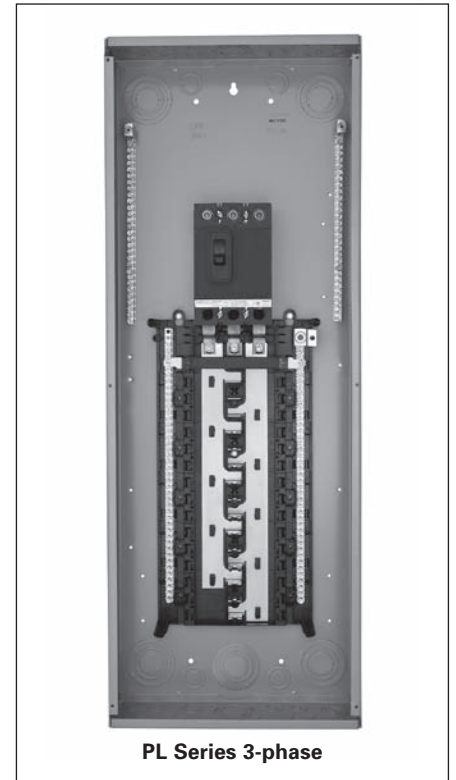
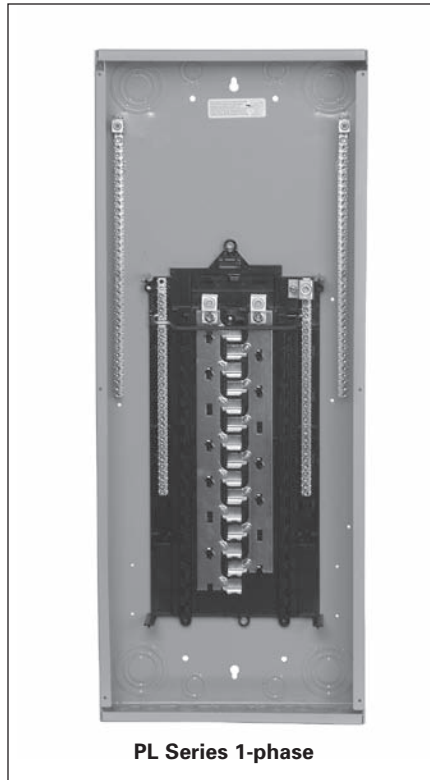
- Series Connected Circuit Breaker Information is recognized by UL under file #E10848(N)
- Load Centers Listed by UL under file #E10703
- Load Centers UL recognized components found under file #E10703, Volume 6 and 7. (Also referenced under the recognized components directory — section QEUY2)
- EQ Circuit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

# Load Centers

## Siemens PL and ES Series Load Centers™ Overview

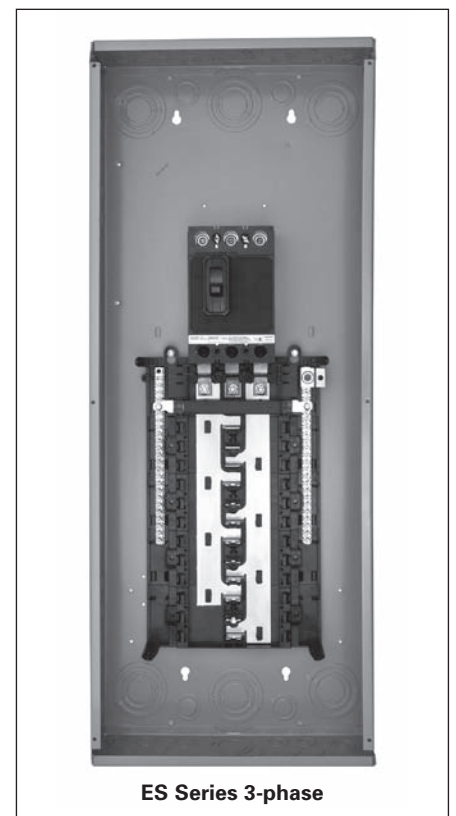
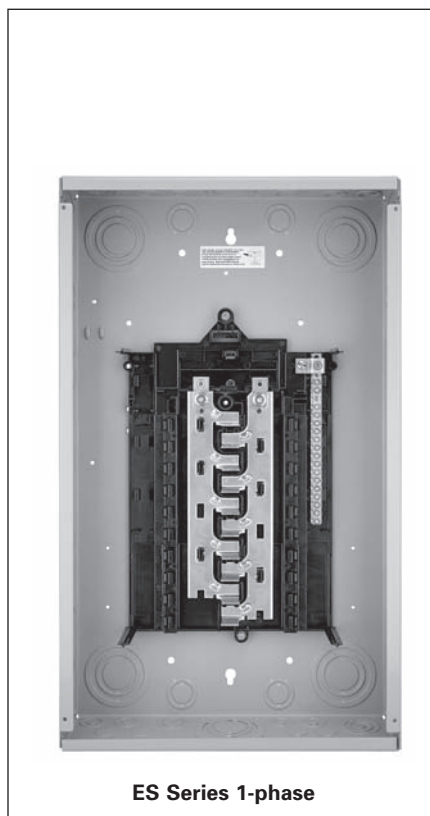
### PL Series:

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



### ES Series:

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



# Load Centers

## WireGuide™ Load Centers and Breakers

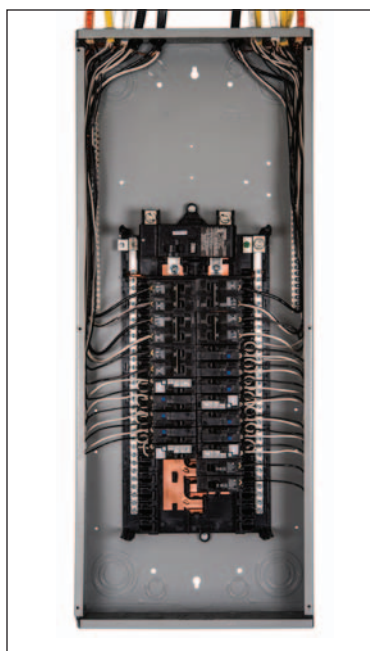
LOAD CENTERS & CIRCUIT BREAKERS 1

### **NEW** WireGuide™ Load Centers and Breakers

WireGuide load centers accept new AFCIs with shortened neutral wires that slide directly into the neutral bar.

#### Features

- Over 4 inches of breaker wire bending space
- 11 SKUs each available in both grey and white<sup>①</sup>
- Pre-trimmed and ready to install neutral wires have an "Oops Loop" if extra wire is needed
- Full length neutral bars
- Decreased installation time
- WireGuide breakers available in Dual Function and AFCI



### PL 1Ø Main Breaker WireGuide Load Centers<sup>②④</sup>

Copper Bus

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Dimensions (inches)		
				Height	Width	Depth
200	30	60	P3060B1200ACU	36	14.5	4.25
200	40	80	P4080B1200ACU	36	14.5	4.25

### PL 1Ø Main Lug WireGuide Load Centers<sup>③</sup>

Copper Bus

125	20	40	P2040L1125ACU	24	14.5	4.25
125	30	60	P3060L1125ACU	30	14.5	4.25
200	30	60	P3060L1200ACU	36	14.5	4.25

### ES 1Ø Main Breaker WireGuide Load Centers<sup>②④</sup>

Aluminum Bus

200	30	60	S3060B1200A	36	14.5	4.25
200	40	80	S4080B1200A	36	14.5	4.25

### ES 1Ø Main Lug WireGuide Load Centers<sup>③⑤</sup>

Aluminum Bus

125	20	40	S2040L1125AG	21	14.5	4.25
125	24	48	S2448L1125AG	24	14.5	4.25
125	30	60	S3060L1125AG	30	14.5	4.25
200	30	60	S3060L1200AG	30	14.5	4.25

### Combination Type AFCI WireGuide Breaker

Breaker Type	Amp Rating	Catalog Number
QAF2	15	QA115AFCWG
	20	QA120AFCWG

### Dual Function AFCI/GFCI WireGuide Breaker

QFGA2	15	Q115DFWG
	20	Q120DFWG



① WireGuide load centers available (made to order) in white by adding "W" to the end of the part number.

② 60/75°C Rated 22,000A IR

③ 60/75°C Rated 100,000A IR

④ Suitable for use as service equipment.

⑤ ES Series single phase skus with a "G" suffix have ground bar included (factory installed).

# 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.

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.

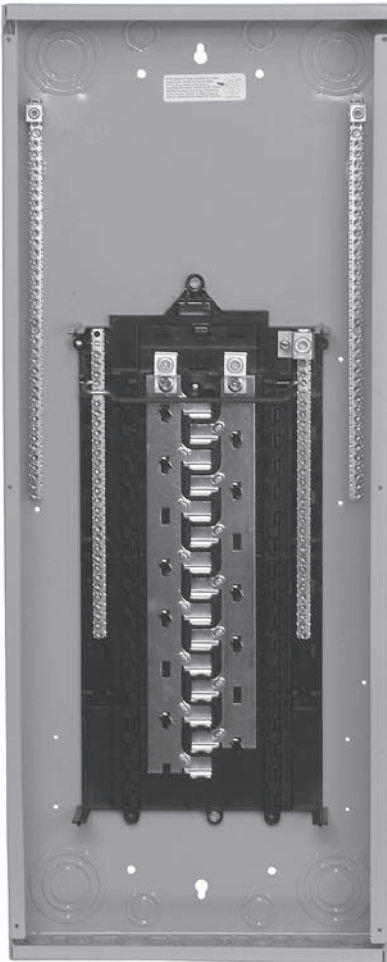
# PL Series Load Centers

## Product Offering

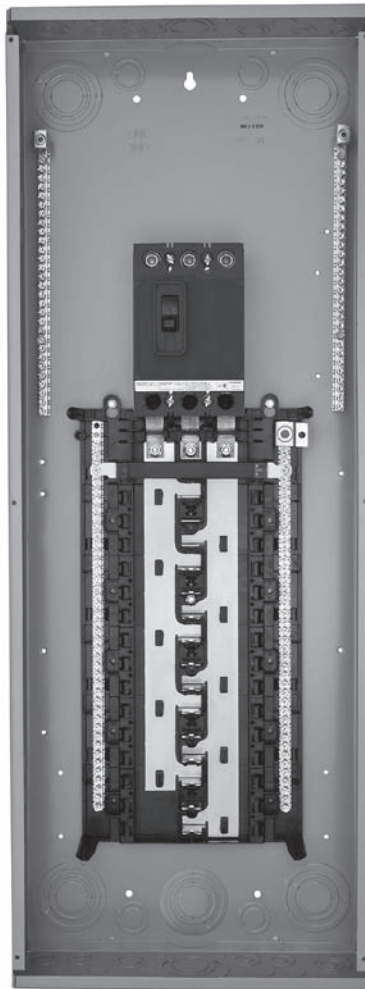
The PL Series Load Center product line provides a wide array of variation to meet any application need.

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

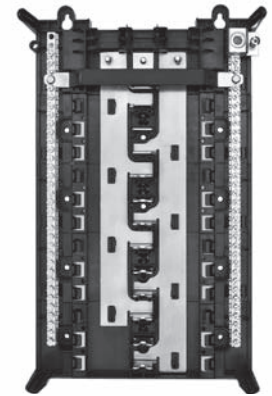
- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Un-assembled offering in 3-phase



**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

• Revised •  
02/24/16

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

### Main Breaker/Convertible Load Centers<sup>①</sup>

Copper Bus<sup>⑦</sup>

12-70 Circuits / 100-225 Amperes

60/75°C Rated 22,000A IR<sup>②</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
100	12	24	P1224B1100CU	18	PW1224B1100CU	21
100	16	24	P1624B1100CU <sup>⑤</sup>	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 <sup>⑤</sup>	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 <sup>⑥⑧</sup>	36	—	—
200	40	40	P4040B1200CU <sup>⑤</sup>	36	PW4040B1200CU	38
200	40	40	P4040B1200 <sup>⑥⑧</sup>	36	—	—
200	54	70	P5470B1200CU	44	—	—
225	42	60	P4260B1225CU <sup>⑤</sup>	39	PW4260B1225CU	42
225	54	70	P5470B1225CU <sup>⑤</sup>	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 QAF2/QAF2C branch breakers.

### Main Lug/Convertible Load Centers<sup>④</sup>

Copper Bus<sup>⑦</sup>

12-70 Circuits / 125-225 Amperes

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
125	12	12	P1212L1125CU <sup>⑤</sup>	18	PW1212L1125CU <sup>⑤</sup>	21
125	12	24	P1224L1125CU <sup>⑤</sup>	18	PW1224L1125CU <sup>⑤</sup>	21
125	16	24	P1624L1125CU	21	PW1624L1125CU	23
125	20	20	P2020L1125CU <sup>⑤</sup>	24	—	—
125	20	24	P2024L1125CU	24	—	—
125	24	40	P2440L1125CU <sup>⑤</sup>	24	—	—
125	30	40	P3040L1125CU <sup>⑤</sup>	30	PW3040L1125CU	35
125	40	40	P4040L1125CU <sup>⑤</sup>	36	—	—
150	20	30	P2030L1150CU	24	PW2030L1150CU	27
200	12	24	P1224L1200CU	24	PW1224L1200CU <sup>⑤</sup>	23
200	20	40	P2040L1200CU	30	PW2040L1200CU	27
200	24	40	P2440L1200CU	30	—	—
200	30	30	P3030L1200CU	36	—	—
200	30	40	P3040L1200CU <sup>⑤</sup>	36	PW3040L1200CU	35
200	30	40	P3040L1200 <sup>⑥⑧</sup>	36	—	—
200	30	54	P3054L1200CU	36	PW3054L1200CU	35
200	40	40	P4040L1200CU <sup>⑤</sup>	36	PW4040L1200CU	38
200	40	40	P4040L1200 <sup>⑥</sup>	36	—	—
225	12	24	—	—	PW1224L1225CU	23
225	42	60	P4260L1225CU <sup>⑤</sup>	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.

⑨ Available (made to order) in white by adding "W" to the end of the part number.

# PL Series 1-Phase Special Application Load Centers

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

LOAD CENTERS &  
CIRCUIT BREAKERS

## 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) <sup>②</sup>
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 <sup>①</sup>	36
200	40	40	P4040L1200CUSG	36
200	40	40	P4040L1200SG <sup>①</sup>	36
225	40	60	P4260L1225CUSG	39

## First Surge PL Load Centers Copper Bus 54-60 Circuits 60/75° Rated, 22,000A IR

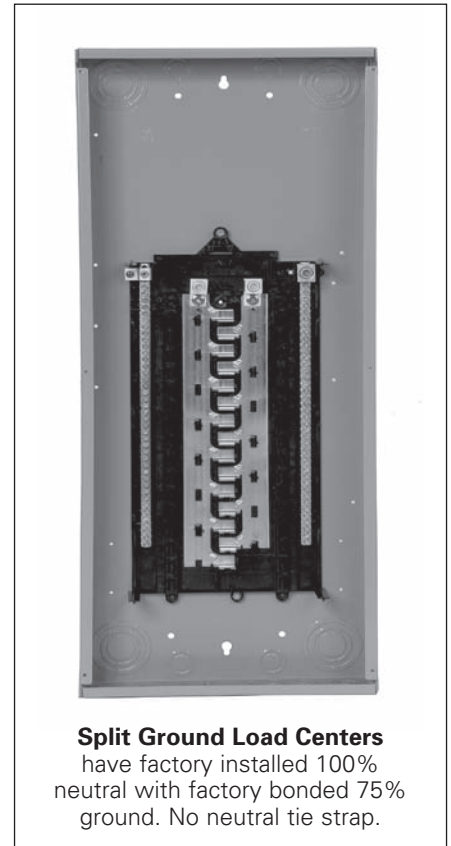
Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Surge Protection	Enclosure Height (inches) <sup>②</sup>
200	30	54	P3054B1200S140	140kA	36
200	40	60	P4060B1200S140	140kA	42

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

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

## Outdoor Trailer Panels Copper Bus 16 Circuits / 200 Amperes 60/75° Rated, 22,000A IR<sup>⑤</sup>

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Main Breaker		Enclosure Height (inches) <sup>④</sup>
				Model	Installation	
200	8	16	PW0816L1200TC	MBK150A or MBK200A	Field Installed	23
				MBK200A	Factory Installed	



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

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 3-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 Bus<sup>⑧⑩</sup>

30-70 Circuits / 100-225 Amperes

60/75°C Rated 22,000A IR<sup>①</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
100	12	24	P1224B3100CU <sup>②</sup>	24	—	—
100	30	42	P3042B3100CU <sup>②</sup>	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 <sup>⑩</sup>	42	PW4260B3200CU	42
225	42	60	P4260B3225CU	42	—	—
225	42	60	P4260B3225TCU <sup>⑥</sup>	49	—	—
225	54	70	P5470B3225CU	49	—	—

## Main Lug/Convertible Load Centers<sup>⑤</sup>

Copper Bus<sup>⑧⑩</sup>

12-70 Circuits / 125-225 Amperes

60/75° Rated 100,000A IR<sup>⑨</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
125	12	24	P1224L3125CU <sup>⑦</sup>	21	PW1224L3125CU <sup>⑦</sup>	21
200	24	42	P2442L3200CU	36	PW2442L3200CU	35
200	30	54	P3054L3200CU	39	PW3054L3200CU	38
225	42	60	P4260L3225CU	42	PW4260L3225CU <sup>⑩</sup>	42
225	54	70	P5470L3225CU	49	—	—

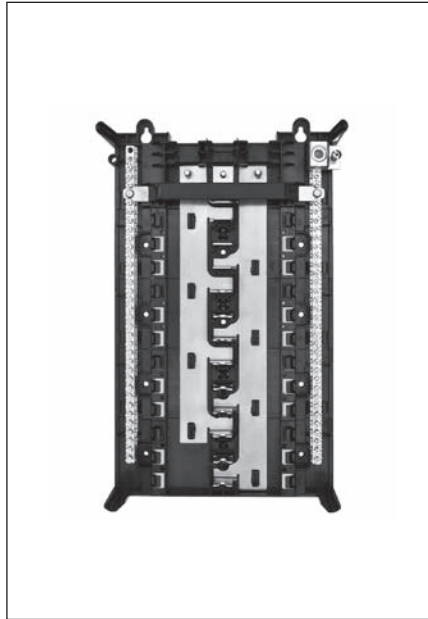
① May be installed on higher rated systems when protected by a circuit breaker with a higher AIR rating.  
 ② Back fed main breaker.  
 ③ Indoor enclosures are 14 1/4" wide by 3 7/8" deep.  
 ④ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.

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<sup>®</sup>.  
 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.  
 ⑪ Available (made to order) in white by adding "W" to the end of the part number

# PL Series 3-Phase Unassembled Load Centers

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



## Main Breaker Convertible Unassembled Load Centers 24-70 Circuits / 100-225 Amperes

Copper Bus<sup>⑤</sup>  
60/75°C Rated 22,000A IR<sup>①</sup>

Interiors				Enclosure		Trim Kit	
Amp Rating	No. of Spaces	No. of Circuits	Interior Catalog Number	Enclosure Height (inches) <sup>③</sup>	Enclosure Catalog Number	No. Breaker Spaces	Trim Catalog Number <sup>④</sup>
100	30	42	PI3042B3100CU <sup>②</sup>	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 Unassembled Load Centers 12-70 Circuits / 125-225 Amperes

Copper Bus<sup>⑤</sup>  
60/75° Rated 100,000A IR<sup>⑥</sup>

Interiors				Enclosure		Trim Kit	
Amp Rating	No. of Spaces	No. of Circuits	Interior Catalog Number	Enclosure Height (inches) <sup>③</sup>	Enclosure Catalog Number	No. Breaker Spaces	Trim Catalog Number <sup>④</sup>
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.

⑥ Rated 100,000A IR in series with breakers listed on wiring diagram.

# ES Series Load Centers

## Features

• Revised •  
04/28/15

1  
LOAD CENTERS &  
CIRCUIT BREAKERS

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.

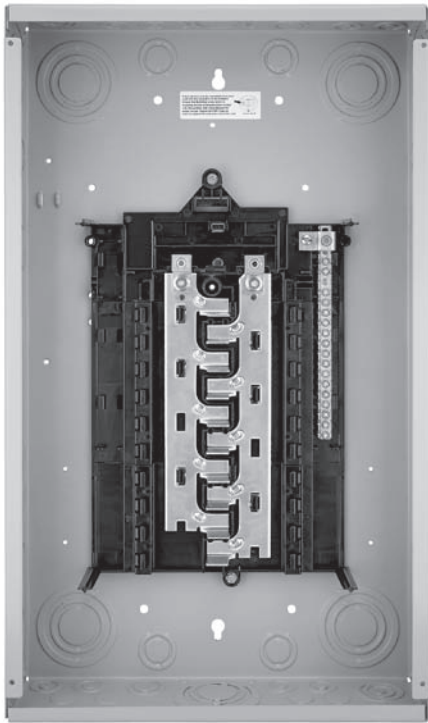
# ES Series Load Centers

## Product Offering

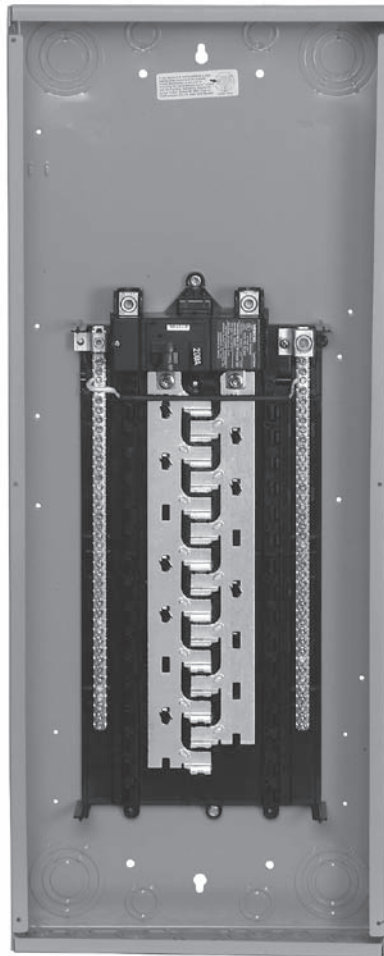
The ES Series Load Center product line provides a wide array of variation to meet any application need.

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

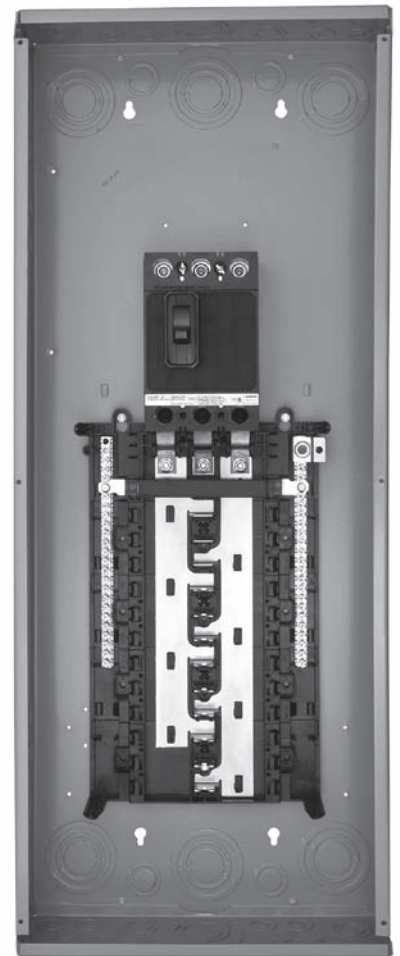
- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Value packs – a mix of branch breakers provided with the load center.



**ES Series**  
**1-phase Main Lug**  
125A, 12-24 circuits



**ES Series**  
**1-phase Main Breaker**  
125- 225A, 30-70 circuits



**ES Series**  
**3-phase Main Breaker**

# ES Series 1-Phase Main Lug & Main Breaker Load Centers

• Revised •  
02/24/16

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

### Main Breaker<sup>①</sup>

### Aluminum Bus

#### 12-70 Circuits / 100-225 Amperes

#### 60/75°C Rated 22,000A IR<sup>②</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
100	10	20	S1020B1100	18	—	—
100	12	24	S1224B1100	18	SW1224B1100	21
100	16	24	S1624B1100 <sup>⑤</sup>	21	SW1624B1100	23
100	20	20	S2020B1100	24	SW2020B1100	27
100	20	24	S2024B1100	24	—	—
100	30	30	S3030B1100 <sup>⑤</sup>	30	—	—
125	12	24	—	—	SW1224B1125	21
125	16	24	S1624B1125	21	—	—
125	16	32	—	—	SW2024B1125	27
125	24	24	S2424B1125 <sup>⑤</sup>	24	SW2424B1125	27
125	30	30	S3030B1125 <sup>⑤</sup>	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 <sup>⑤</sup>	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 <sup>⑤</sup>	36	SW3040B1200	35
200	40	40	S4040B1200 <sup>⑤</sup>	36	SW4040B1200	38
200	54	70	S5470B1200	44	—	—
225	42	60	S4260B1225	39	SW4260B1225	42
225	54	70	S5470B1225	44	—	—

### Main Lug

### Aluminum Bus

#### 12-70 Circuits / 125-225 Amperes

#### 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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
125	12	12	S1212L1125 <sup>⑤</sup>	18	SW1212L1125 <sup>⑤</sup>	21
125	12	24	S1224L1125 <sup>⑤</sup>	18	SW1224L1125 <sup>⑤</sup>	21
125	16	24	S1624L1125	21	SW1624L1125	21
125	20	20	S2020L1125 <sup>⑤</sup>	21	—	—
125	20	20	S2020L1125G <sup>⑥⑦</sup>	21	—	—
125	20	24	S2024L1125	21	—	—
125	20	24	S2024L1125G <sup>⑥</sup>	21	—	—
125	24	24	S2424L1125 <sup>⑤</sup>	24	SW2424L1125	27
125	24	24	S2424L1125G <sup>⑥⑦</sup>	24	—	—
125	24	40	S2440L1125 <sup>⑤</sup>	24	—	—
125	24	40	S2440L1125G <sup>⑥</sup>	24	—	—
125	30	40	S3040L1125 <sup>⑤</sup>	30	SW3040L1125	29
125	30	40	S3040L1125G <sup>⑥⑦</sup>	30	—	—
125	40	40	S4040L1125	36	—	—
150	20	30	S2030L1150 <sup>⑤</sup>	24	SW2030L1150	27
200	12	24	S1224L1200 <sup>⑤</sup>	21	SW1224L1200 <sup>⑤</sup>	21
200	20	40	S2040L1200	24	SW2040L1200	27
200	24	40	S2440L1200 <sup>⑤</sup>	30	—	—
200	30	30	S3030L1200 <sup>⑤</sup>	30	—	—
200	30	40	S3040L1200 <sup>⑤</sup>	30	SW3040L1200	35
200	30	40	S3040L1200L50 <sup>⑦</sup>	36	—	—
200	30	54	S3054L1200	30	SW3054L1200	35
200	40	40	S4040L1200 <sup>⑤</sup>	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).

⑦ Line and Neutral Lug Wire Range: 500 kcmil - #2 AL/CU

⑧ Available (made to order) in white by adding "W" to the end of the part number.

# ES Series 1-Phase Unassembled Load Centers

## 1-phase, 3-wire SN, 120/240 Volts A

### Features

- Available for the most popular ES Load Centers
- Gives the ability to order in bulk
- Enclosures will have minimal packaging for less hassle and waste at the job site
- Keeps the covers separate to prevent damage or theft
- Includes full size cardboard covers to keep the interior safe during painting
- All main lug panels include factory installed ground bars



### Main Breaker ES Unassembled Load Centers<sup>①</sup> 24-40 Circuits / 125-200 Amperes

Aluminum Bus  
60/75° Rated 22,000A IR<sup>②</sup>

Amp Rating	Box Catalog Number	Main	No. of Spaces	No. of Circuits	Dimensions			Trim Catalog Number	Pallet Quantity
					Height	Width	Depth		
125	SB2424B1125	Main Breaker	24	24	24	14.5	4.25	ST2424B1125	36
200	SB3040B1200	Main Breaker	30	40	36	14.5	4.25	ST3040B1200	30
200	SB4040B1200	Main Breaker	40	40	36	14.5	4.25	ST4040B1200	30

### Selectable Main ES Unassembled Load Centers<sup>③</sup> 30-40 Circuits / 200 Amperes

Aluminum Bus

Amp Rating	Box Catalog Number	Main	No. of Spaces	No. of Circuits	Dimensions			Trim Catalog Number	Pallet Quantity
					Height	Width	Depth		
150/200	SB3040C1200G	Convertible	30	40	36	14.5	4.25	ST3040X1200	30
150/200	SB4040C1200G	Convertible	40	40	36	14.5	4.25	ST4040X1200	30

### Main Lug ES Unassembled Load Centers<sup>③</sup> 24-40 Circuits / 125-200 Amperes

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

Amp Rating	Box Catalog Number	Main	No. of Spaces	No. of Circuits	Dimensions			Trim Catalog Number	Pallet Quantity
					Height	Width	Depth		
125	SB2440L1125G	Main Lug	24	40	24	14.5	4.25	ST2440L1125	36
125	SB3040L1125G	Main Lug	30	40	30	14.5	4.25	ST3040L1125	36
200	SB3040L1200G	Main Lug	30	40	30	14.5	4.25	ST3040L1200	36
200	SB4040L1200G	Main Lug	40	40	36	14.5	4.25	ST4040L1200	30

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 ES Series single phase skus with a "G" suffix have ground bar included (factory installed).

# ES Series 1-Phase Special Load Centers

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

### First Surge ES Load Centers

### Aluminum Bus

#### 54-60 Circuits

#### 60/75° Rated, 22,000A IR

Amp Rating	No. of Spaces	No. of Circuits	Catalog Number	Surge Protection	Enclosure Height (inches) <sup>②</sup>
200	30	54	S3054B1200S060	60kA	36
200	40	60	S4060B1200S060	60kA	42

### Outdoor Trailer Panels

### Aluminum Bus

#### 16 Circuits / 200 Amperes

#### 60/75° Rated 100,000A IR

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

### Value Pack Load Centers<sup>③</sup>

### Aluminum Bus

Catalog Number	Load Center	Breakers Included	Amp	NO. of Spaces	No. of Circuits
S2020B1100P	S2020B1100	(3) Q120, (1) Q230	100	20	20
S3040B1200P	S3040B1200	(3) Q120, (1) Q230	200	30	40
S3040L1200P	S3040L1200	(3) Q120, (1) Q230	200	30	40
S4040B1200P	S4040B1200	(3) Q120, (1) Q230	200	30	40
S3054B1200P	N/A	(3) Q120, (1) Q230	200	30	54

### Split Ground Series Load Centers<sup>⑥</sup>

#### 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) <sup>②</sup>
125	20	30	S2030L1125SG	21
150	30	30	S3030B1150SG	30
200	40	40	S4040B1200SG	36

### Selectable Main Load Centers<sup>⑦</sup>

#### 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) <sup>②</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>	Main Lug	Main Breaker
125	24	24	S2424C1125	24	SW2424C1125	27	ECMLK125	MBK100A, MBK125A
200	20	40	S2040C1200	35	SW2040C1200	35	ECMLK225	MBK200A
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 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 3-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

Aluminum Bus

30-60 Circuits / 100-225 Amperes

60/75°C Rated 10,000A IR<sup>①</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
100	12	24	S1224B3100 <sup>②</sup>	24	—	—
100	30	30	S3030B3100 <sup>②</sup>	30	—	—
100	30	42	S3042B3100 <sup>②</sup>	30	—	—
125	30	42	S3042B3125	35	—	—
150	24	42	S2442B3150	36	SW2442B3150	35
150	42	42	S4242B3150	42	—	—
150	30	54	S3054B3150	35	—	—
200	30	54	S3054B3200	39	SW3054B3200	38
200	42	60	S4260B3200	42	SW4260B3200	42
225	42	42	S4242B3225	42	SW4242B3225	42

## Main Lug<sup>⑤</sup>

Aluminum Bus

12-70 Circuits / 125-225 Amperes

60/75° Rated 100,000A IR<sup>⑥</sup>

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) <sup>③</sup>	Catalog Number	Enclosure Height (inches) <sup>④</sup>
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 <sup>⑦</sup>	30	SW3054L3200	35
225	42	60	S4260L3225 <sup>⑦</sup>	36	SW4260L3225	38
225	54	70	S5470L3225 <sup>⑦</sup>	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 Suitable for use as service entrance equipment when not more than six main disconnecting means are provided. See article 230.71 of the NEC<sup>®</sup>.

⑥ Rated 100,000A IR in series with breakers listed on wiring diagram.

⑦ Available (made to order) in white by adding "W" to the end of the part number.