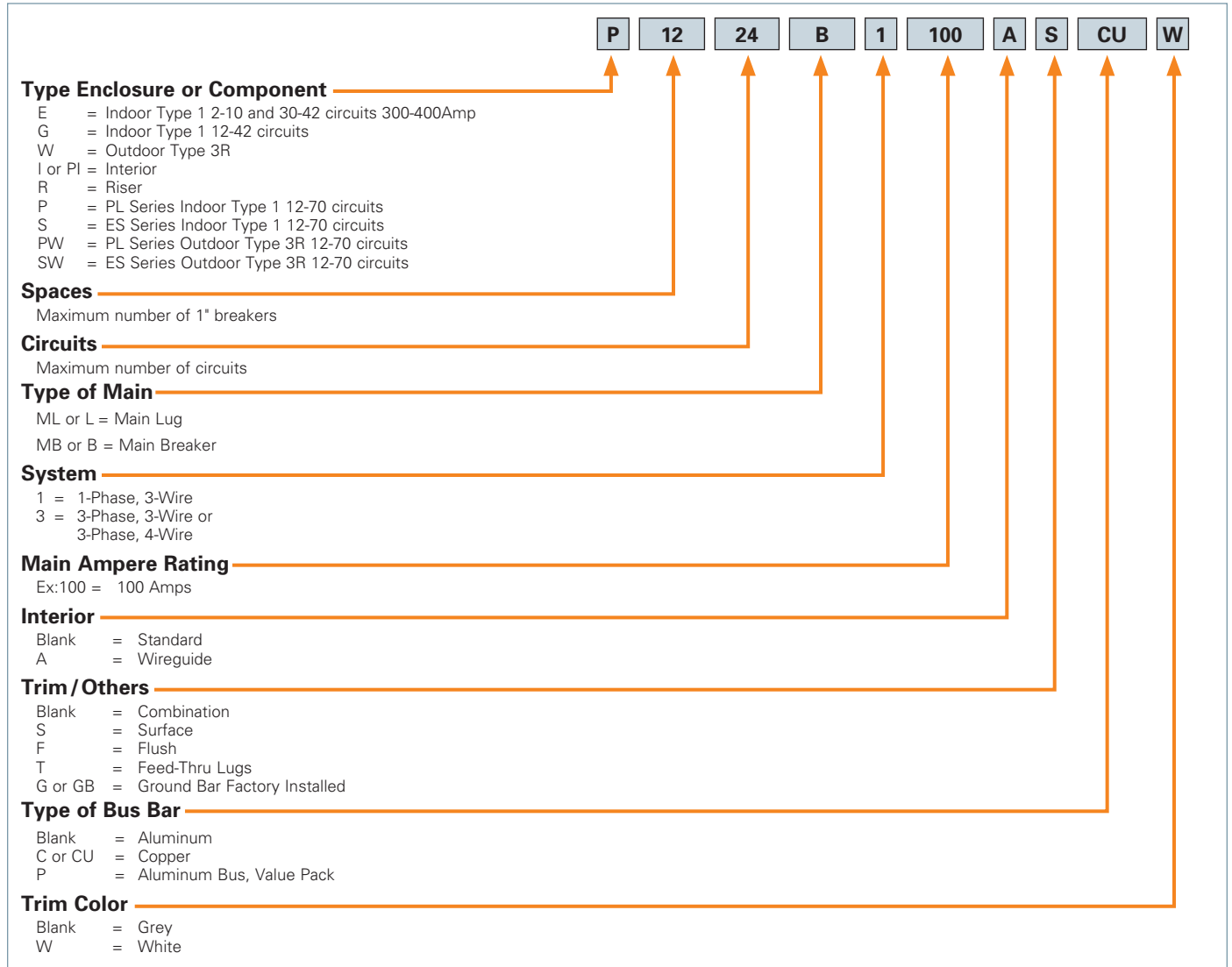


Load Centers

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



PL Series 1-phase



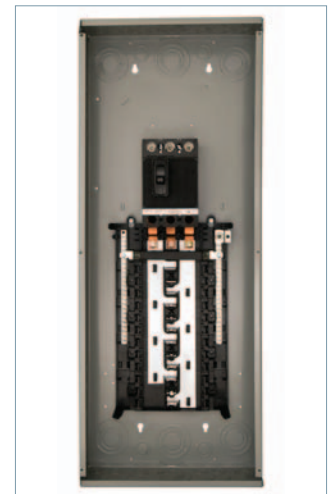
PL Series 3-phase

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



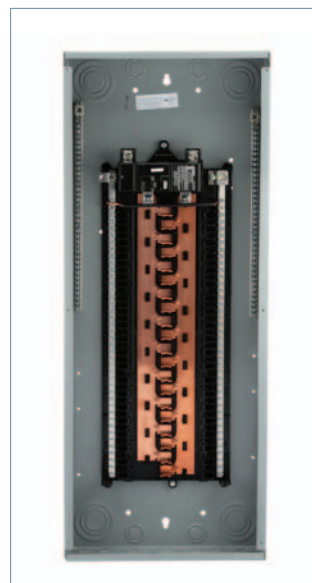
ES Series 3-phase

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[Ⓞ]
- 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 by adding "WG" suffix to existing catalog numbers. See page 1-34 for more details.



WireGuide Load Centers



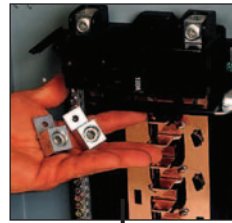
Combination Type AFCI WireGuide Breaker

[Ⓞ] Applies only to NEMA 1 ES and PL Load Centers

PL Series Load Centers

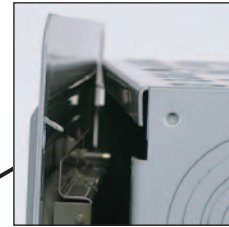
Features

LOAD CENTERS & CIRCUIT BREAKERS 1



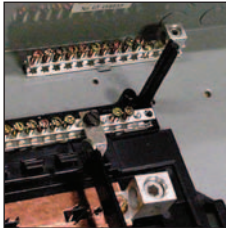
All devices convertible from main lug to main breaker and vice versa.

Invertible for bottom feed application.®



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

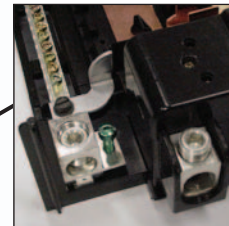
All devices are provided with 2 factory installed ground bars.



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

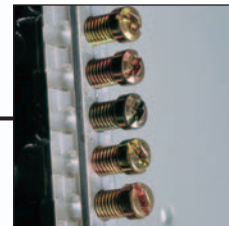


A rigid, sturdy base pan provides the ruggedness required for the most harsh applications.



The pre-positioned bond screw eliminates bond strap/screw assemblies, and reduces the risk of

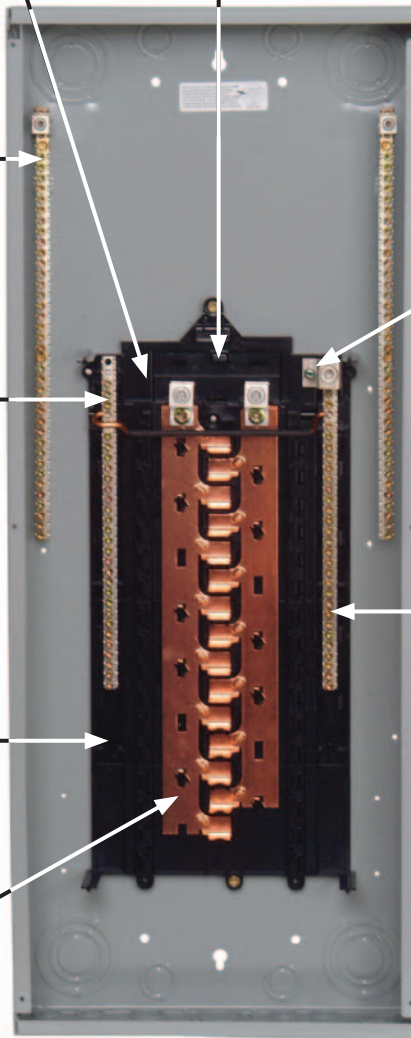
losing components in the field.



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.

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.



® Applies only to NEMA 1 ES and PL Load Centers

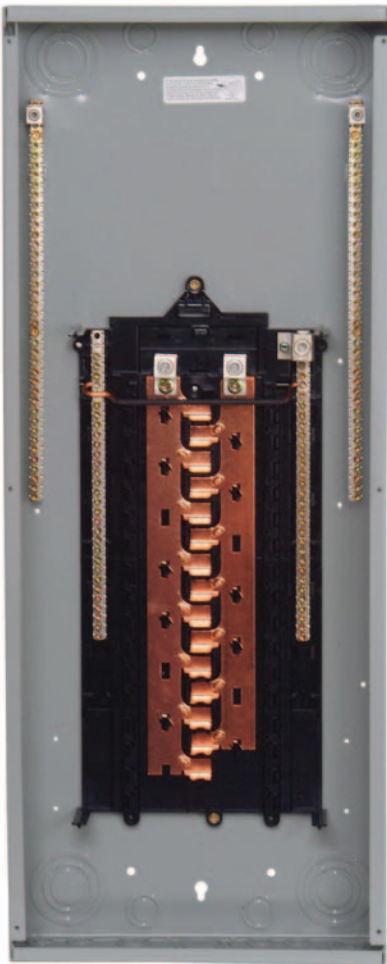
PL Series Load Centers

Product Offering

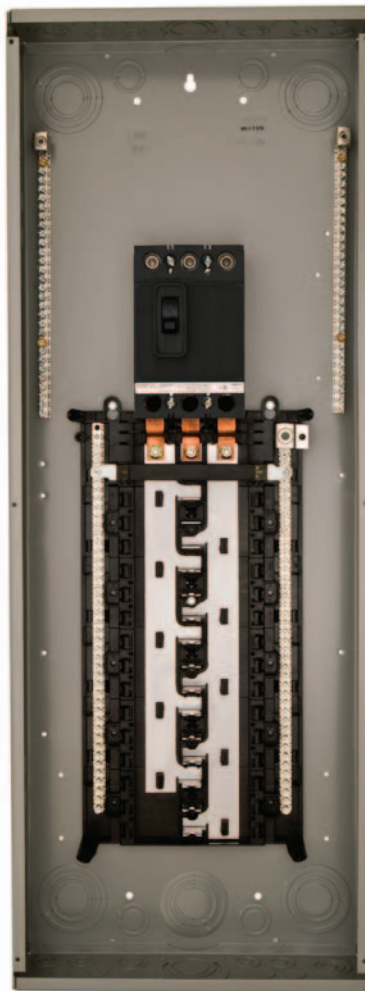
The PL Series Load Center product line provides a wide array of variation to meet any application need.

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

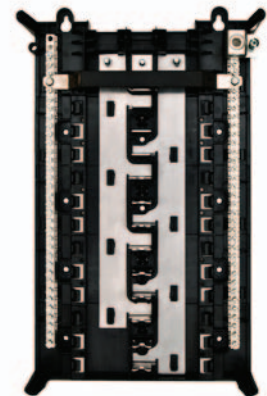
- 12-70 Circuits/Spaces
- Indoor and Outdoor enclosures
- 100 to 225 Amp
- Main Lug and Main Breakers
- Un-assembled offering in 3-phase



**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

Copper Bus^⑦

12-70 Circuits / 100-225 Amperes

60/75°C Rated 22,000A IR^②

Amp Rating	No. of Spaces	Indoor Enclosure - NEMA Type 1					Outdoor Enclosure - NEMA Type 3R			
		No. of Circuits	PL Catalog Number	No. of Circuits	PL with WireGuide Interior Catalog Number ^⑧	NEMA 1 - Enclosure Height (inches) ^③	No. of Circuits	Catalog Number	NEMA 3R - Enclosure Height (inches) ^④	
100	12	24	P1224B1100CU	—	—	18	24	PW1224B1100CU	21	
	16	24	P1624B1100CU ^⑤	—	—	21	24	PW1624B1100CU	23	
	20	20	P2020B1100CU	40	P2040B1100ACU	24	20	PW2020B1100CU	27	
		24	P2024B1100CU				—	—		
	24	24	P2424B1100CU	48	P2448B1100ACU	24	—	—	—	
		30	30	P3030B1100CU	60	P3060B1100ACU	30	—	—	—
	40		—	—	—	40	PW3040B1100CU	35		
125	30	30	P3030B1125CU ^⑤	60	P3060B1125ACU	30	40	PW3040B1125CU	35	
150	20	30	P2030B1150CU	40	P2040B1150ACU	24	—	—	—	
		30	—	—	—	30	PW2030B1150CU	27		
	30	30	P3030B1150CU	60	P3060B1200ACU	30	—	—	—	
		40	—	—	—	40	PW3040B1150CU	35		
200	20	40	P2040B1200CU	40	P2040B1200ACU	30	40	PW2040B1200CU	27	
		30	40	P3040B1200CU	60	P3060B1200ACU	36	40	PW3040B1200CU	35
			40	P3040B1200 ^{⑧⑨}	60	P3060B1200A ^⑧	36	—	—	—
	40	40	P4040B1200CU ^⑤	80	P4080B1200ACU	36	40	PW4040B1200CU	38	
		40	P4040B1200 ^{⑧⑨}	80	P4080B1200A ^⑧	36	—	—	—	
	54	70	P5470B1200CU	80	P5480B1200ACU	44	—	—	—	
225	42	60	P4260B1225CU ^⑤	80	P4280B1225ACU	39	60	PW4260B1225CU	42	
	54	70	P5470B1225CU ^⑤	80	P5480B1225ACU	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^⑥

Copper Bus^⑦

12-70 Circuits / 125-225 Amperes

60/75° Rated 100,000A IR

Amp Rating	No. of Spaces	Indoor Enclosure - NEMA Type 1					Outdoor Enclosure - NEMA Type 3R			
		No. of Circuits	PL Catalog Number	No. of Circuits	PL with WireGuide Interior Catalog Number ^⑧	NEMA 1 - Enclosure Height (inches) ^③	No. of Circuits	Catalog Number	NEMA 3R - Enclosure Height (inches) ^④	
125	12	12	P1212L1125CU ^⑤	—	—	18	12	PW1212L1125CU ^⑤	21	
		24	P1224L1125CU ^⑤	—	—	18	24	PW1224L1125CU ^⑤	21	
	16	24	P1624L1125CU	—	—	21	24	PW1624L1125CU	23	
		20	20	P2020L1125CU ^⑤	40	P2040L1125ACU	24	—	—	
	24		P2024L1125CU	24			—	—		
	24	40	P2440L1125CU ^⑤	48	P2448L1125ACU	24	—	—	—	
		30	P3040L1125CU ^⑤	60	P3060L1125ACU	30	40	PW3040L1125CU	35	
40	40	P4040L1125CU ^⑤	80	P4080L1125ACU	36	—	—	—		
150	20	30	P2030L1150CU	40	P2040L1150ACU	24	30	PW2030L1150CU	27	
200	12	24	P1224L1200CU	—	—	24	24	PW1224L1200CU ^⑤	23	
		20	40	P2040L1200CU	40	P2040L1200ACU	30	40	PW2040L1200CU	27
			24	P2440L1200CU	48	P2448L1200ACU	30	—	—	—
	30	30	P3030L1200CU	60	P3060L1200ACU	36	—	—	—	
		40	P3040L1200CU ^⑤				40	PW3040L1200CU	35	
		54	P3054L1200CU				54	PW3054L1200CU	35	
		40	P3040L1200 ^{⑧⑨}				60	P3060L1200A ^⑧	36	—
	40	40	P4040L1200CU ^⑤	80	P4080L1200ACU	36	40	PW4040L1200CU	38	
		40	P4040L1200 ^⑧	80	P4080L1200A ^⑧	36	—	—	—	
	225	12	24	—	—	—	24	PW1224L1225CU	23	
42		60	P4260L1225CU ^⑤	80	P4280L1225ACU	39	60	PW4260L1225CU	42	
54		70	P5470L1225CU	80	P5480L1225ACU	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.