

## Contents

### Load Centers

Catalog Numbering System	1-2
Plug-On Neutral Load Centers	1-3
Electronic Breakers and Surge Protection	1-4
PN Series 1-Phase Plug-On Neutral Load Centers	
Features	1-5
1-phase, 3-wire, 120/240 Volts AC Main Breaker/Convertible	1-6
1-phase, 3-wire, 120/240 Volts AC Main Lug/Convertible	1-7
SN Series 1-Phase Plug-On Neutral Load Centers	
Features	1-8
1-phase, 3-wire, 120/240 Volts AC Main Breaker	1-9
1-phase, 3-wire, 120/240 Volts AC Main Lug	1-10
1-phase, 3-wire, 120/240 Volts AC Specialty Main Lug and Breakers	1-11
PL and ES Series 3-Phase Load Centers	
Features	1-12
PL Series Main Lug and Main Breakers	1-13
PL Series Unassembled Load Centers	1-14
ES Series Main Lug and Main Breakers	1-15
EQ® Load Centers, 300-400 Amp	1-16
Generator Ready Load Centers	1-17
Riser Panel Load Centers	1-18
EQ® Load Centers, Small Circuit and Circuit Breaker Enclosures	1-19 – 1-20
Renovation Interiors	1-21
Load Center Accessories	1-22 – 1-25
Knockout Diagrams	1-26 – 1-30
Load Center Cross Reference	1-31 – 1-39

### Circuit Breakers

Arc-Fault and Ground-Fault Breakers	1-40
Type QP, 1" Breakers	1-41
Duplex, Triplex and Quadplex Plug-In Breakers	1-42
Special Application Breakers	1-43
Type QD, 3/4" Breakers	1-44
Main and Branch Circuit Breakers	1-45
Circuit Breaker Dimension Drawings and Lug Data	1-46 – 1-47
Circuit Breaker Accessories	1-48 – 1-49
<b>Surge Protection Products</b>	1-50 – 1-52
AC Disconnects, 1-Phase, NEMA 3R Rated	1-53

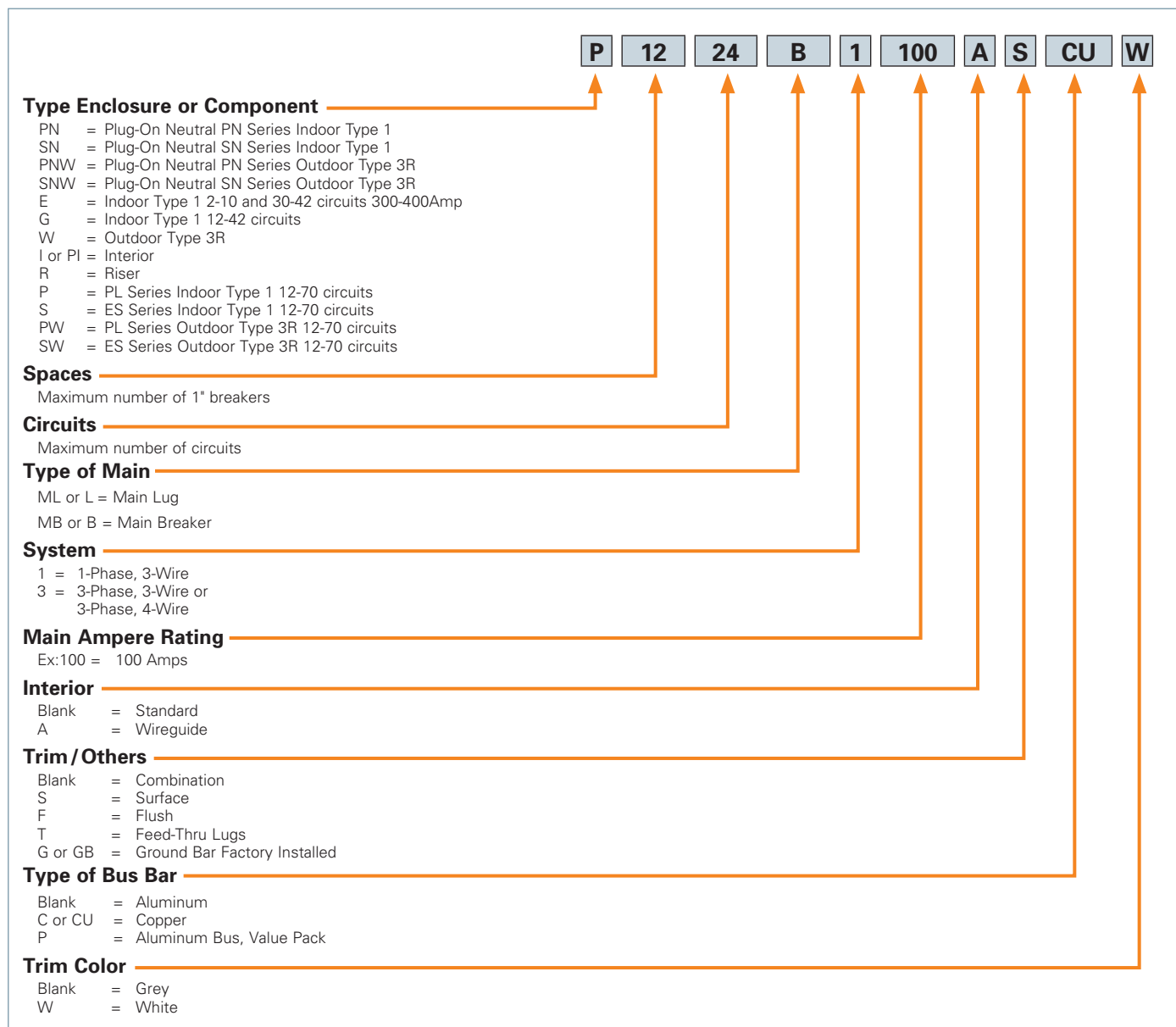
Scan to connect  
online to the  
most up-to-  
date version of  
this Section of  
SPEEDFAX.



# 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

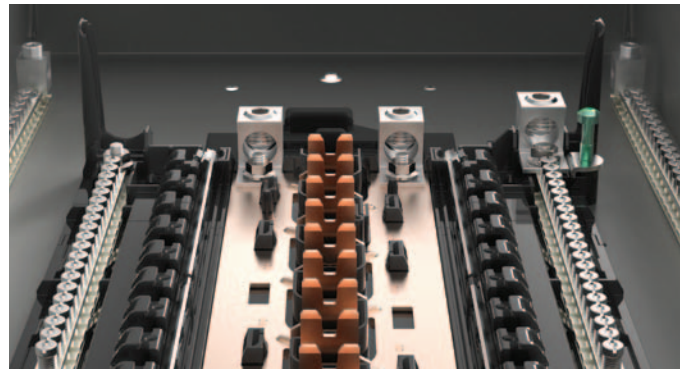
# Plug-On Neutral Load Centers

## Overview

### Plug-On Neutral Load Centers

You have come to know Siemens solutions for their durability, innovation, and safety attributes. This continues with the plug-on neutral load center with electronic breakers to provide a more secure connection resulting in a more confident installation.

With an overall smaller electronic breaker footprint, the plug-on neutral load center still gives you over 4" of wire bending space, which allows for a simpler, cleaner, and faster path to a finished project.

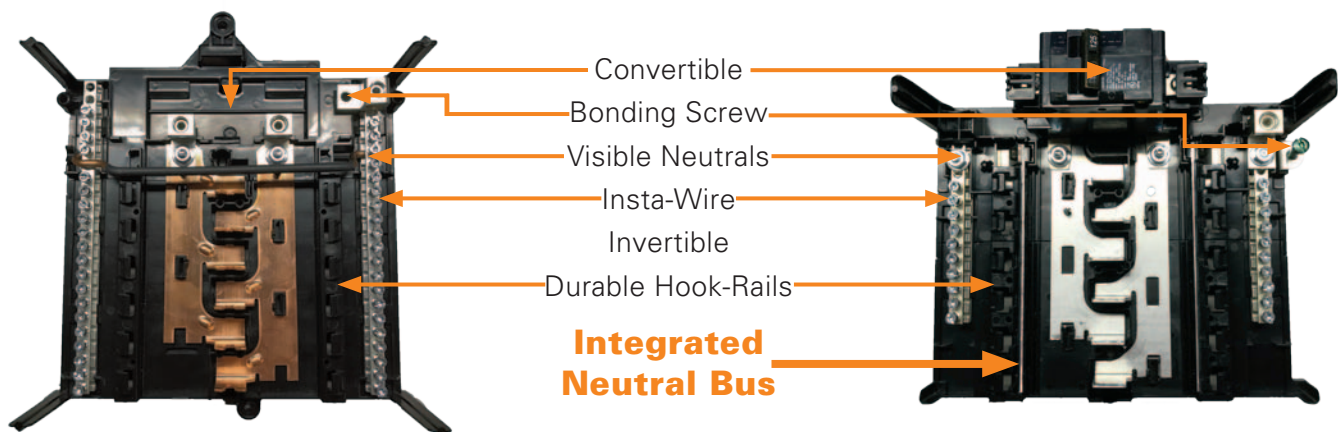


# Simple Spacious Secure

- Quicker breaker installation
- Wiring made easier with the neutral lug removed on CAFCI breakers
- Same great features as PL and ES load centers
- Small electronic breaker footprint
- Design allows for neutral terminal accessibility
- Over 4 inches of wire bending space
- Same reliable installation method
- Neutral clip is the same as line side
- Durable hook-rail

## A Siemens Advantage

The plug-on neutral load center has the same great features of the PL and ES line, plus an integrated neutral bus.<sup>①</sup>



<sup>①</sup> PN panels are convertible and come with two ground bars. SN panels come with one ground bar.

# PN Series 1-Phase Plug-On Neutral Load Centers

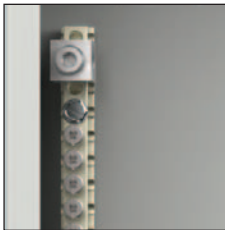
## Features

- Convertible
- Invertible
- Bonding Screw
- Visible Neutrals
- Insta-Wire
- Durable Hook-Rails
- Integrated Neutral Bus
- Extended Lifetime Warranty

- Sku's with C suffix that are 150A and above are tin plated copper bus
- Tin plated copper bus stamped with CU to indicate copper
- 100% Neutral & Ground positions based on number of circuits

- Can use twin AFCI breakers in all PN & SN Series load centers
- Easy to install neutral kits. Click here for the [PN & SN Accessory and Replacement Parts Guide](#).
- Click here for [Siemens Warranty Information](#).

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.

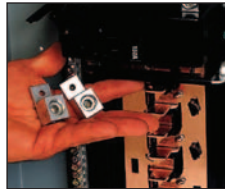


A rigid, sturdy base pan provides the ruggedness required for the most harsh applications.

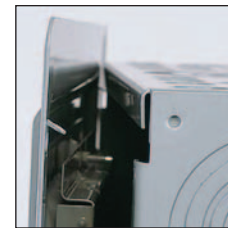


The outdoor enclosure has a slide hinge door for the easiest installation and can be removed by backing out only one screw.

Invertible for bottom feed application.®



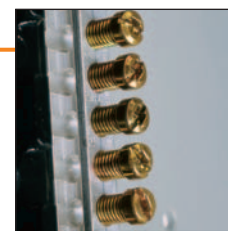
All devices convertible from main lug to main breaker and vice versa.



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

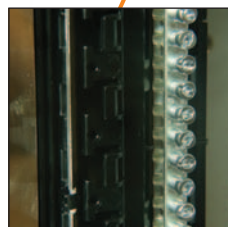


losing components in the field.



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®



All devices come with an integrated neutral bus.

1-Phase PN Series Plug-On Neutral Load Centers ship with trims packaged separately.



① Applies only to NEMA 1 PN and SN plug-on neutral load centers.  
 ② PN SKUs that have a C suffix have copper bus.

# PN Series 1-Phase Plug-On Neutral Load Centers

1-phase, 3-wire, 120/240 Volts AC Main Breaker/Convertible

## Main Breaker/Convertible Load Centers<sup>①</sup> 100-225 Amperes

Copper Bus  
60/75°C Rated

Amp Rating	No. of Spaces	No. of Circuits	Indoor Enclosure - NEMA Type 1		Outdoor Enclosure - NEMA Type 3R	
			Catalog Number <sup>④</sup>	Enclosure Height (inches) <sup>②</sup>	Catalog Number	Enclosure Height (inches) <sup>③</sup>
100	12	24	PN1224B1100C	18	PNW1224B1100C	21
100	16	32	PN1632B1100C	21	PNW1632B1100C	23
100	20	20	PN2020B1100C	21	PNW2020B1100C	27
100	20	40	PN2040B1100C	21	—	—
100	24	24	PN2424B1100C	24	—	—
100	30	30	PN3030B1100C	26	—	—
100	30	48	—	—	PNW3048B1100C	29
125	30	30	PN3030B1125C	26	—	—
125	30	48	—	—	PNW3048B1125C	29
150	8	16	—	—	PNW0816B1150TC <sup>⑤</sup>	23
150	20	40	PN2040B1150C	24	PNW2040B1150C	27
150	30	30	PN3030B1150C	30	—	—
150	30	48	—	—	PNW3048B1150C	35
200	8	16	—	—	PNW0816B1200TC <sup>⑤</sup>	23
200	20	40	PN2040B1200C	26	PNW2040B1200C	27
200	30	48	PN3048B1200 <sup>④</sup>	30	—	—
200	30	48	PN3048B1200C	30	PNW3048B1200C	35
200	40	40	PN4040B1200 <sup>④</sup>	36	—	—
200	40	40	PN4040B1200C	36	PNW4040B1200C	38
200	40	60	PN4060B1200 <sup>④</sup>	36	—	—
200	40	60	PN4060B1200C	36	—	—
200	54	82	PN5482B1200C	42	—	—
225	42	64	PN4264B1225C	39	PNW4264B1225C	38
225	54	82	PN5482B1225C	43	—	—

① Factory installed 22KAIC main breaker. Suitable for use as service equipment.

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

③ Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.

④ Includes all PN series features with aluminum bus.

⑤ Feed-thru lugs.

⑥ Available (made to order) in white by adding "W" to the end of the catalog number.



# Load Centers

## Cross Reference

Phase	Enclosure	Legacy Catalog Number	New Catalog Number	Main	Amperage	Bus
1	Indoor	P4260L1225CU	PN4264L1225C	Main Lug	225	Copper
1	Indoor	P4260L1225CUSG	PN4264L1225C	Main Lug	225	Copper
1	Indoor	P4260L1225CUW	PN4264L1225CW	Main Lug	225	Copper
1	Indoor	P4280B1225ACU	PN4264B1225C	Main Breaker	225	Copper
1	Indoor	P4280B1225ACUW	PN4264B1225CW	Main Breaker	225	Copper
1	Indoor	P4280L1225ACU	PN4264L1225C	Main Lug	225	Copper
1	Indoor	P4280L1225ACUW	PN4264L1225CW	Main Lug	225	Copper
1	Indoor	P5470B1200CU	PN5482B1200C	Main Breaker	200	Copper
1	Indoor	P5470B1200CUW	PN5482B1200CW	Main Breaker	200	Copper
1	Indoor	P5470B1225CU	PN5482B1225C	Main Breaker	225	Copper
1	Indoor	P5470L1225CU	PN5482L1225C	Main Lug	225	Copper
1	Indoor	P5480B1200ACU	PN5482B1200C	Main Breaker	200	Copper
1	Indoor	P5480B1200ACUW	PN5482B1200CW	Main Breaker	200	Copper
1	Indoor	P5480B1225ACU	PN5482B1225C	Main Breaker	225	Copper
1	Indoor	P5480B1225ACUW	PN5482B1225CW	Main Breaker	225	Copper
1	Indoor	P5480L1225ACU	PN5482L1225C	Main Lug	225	Copper
1	Indoor	P5480L1225ACUW	PN5482L1225CW	Main Lug	225	Copper
1	Outdoor	PW0816B1150TC	PNW0816B1150TC	Main Breaker	150	Copper
1	Outdoor	PW0816B1200TC	PNW0816B1200TC	Main Breaker	200	Copper
1	Outdoor	PW0816L1200TC	PNW0816L1200TC	Main Lug	200	Copper
1	Outdoor	PW1212L1125CU	PNW1212L1125C	Main Lug	125	Copper
1	Outdoor	PW1224B1100CU	PNW1224B1100C	Main Breaker	100	Copper
1	Outdoor	PW1224L1125CU	PNW1224L1125C	Main Lug	125	Copper
1	Outdoor	PW1224L1200CU	PNW1224L1200C	Main Lug	200	Copper
1	Outdoor	PW1224L1225CU	PNW1224L1225C	Main Lug	225	Copper
1	Outdoor	PW1624B1100CU	PNW1632B1100C	Main Breaker	100	Copper
1	Outdoor	PW1624L1125CU	PNW1632L1125C	Main Lug	125	Copper
1	Outdoor	PW2020B1100CU	PNW2020B1100C	Main Breaker	100	Copper
1	Outdoor	PW2030B1150CU	PNW2040B1150C	Main Breaker	150	Copper
1	Outdoor	PW2030L1150CU	PNW2040L1150C	Main Lug	150	Copper
1	Outdoor	PW2040B1200CU	PNW2040B1200C	Main Breaker	200	Copper
1	Outdoor	PW2040L1200CU	PNW2040L1200C	Main Lug	200	Copper
1	Outdoor	PW3040B1100CU	PNW3048B1100C	Main Breaker	100	Copper
1	Outdoor	PW3040B1125CU	PNW3048B1125C	Main Breaker	125	Copper
1	Outdoor	PW3040B1150CU	PNW3048B1150C	Main Breaker	150	Copper
1	Outdoor	PW3040B1200CU	PNW3048B1200C	Main Breaker	200	Copper
1	Outdoor	PW3040L1125CU	PNW3048L1125C	Main Lug	125	Copper
1	Outdoor	PW3040L1200CU	PNW3048L1200C	Main Lug	200	Copper
1	Outdoor	PW3054L1200CU	PNW3048L1200C	Main Lug	200	Copper
1	Outdoor	PW4040B1200CU	PNW4040B1200C	Main Breaker	200	Copper
1	Outdoor	PW4040L1200CU	PNW4040L1200C	Main Lug	200	Copper