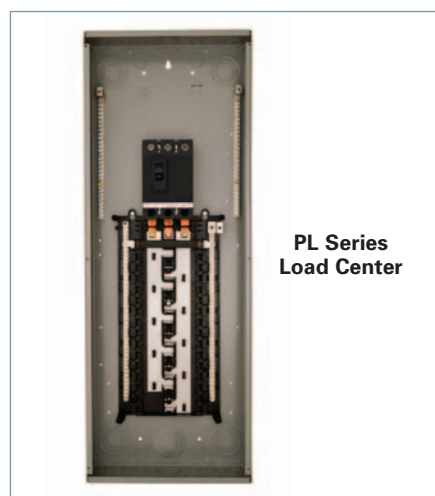
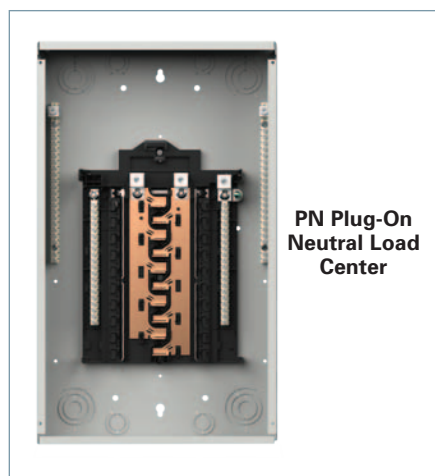




Contents

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
Surge Protection Products	1-50 – 1-52
AC Disconnects, 1-Phase, NEMA 3R Rated	1-53

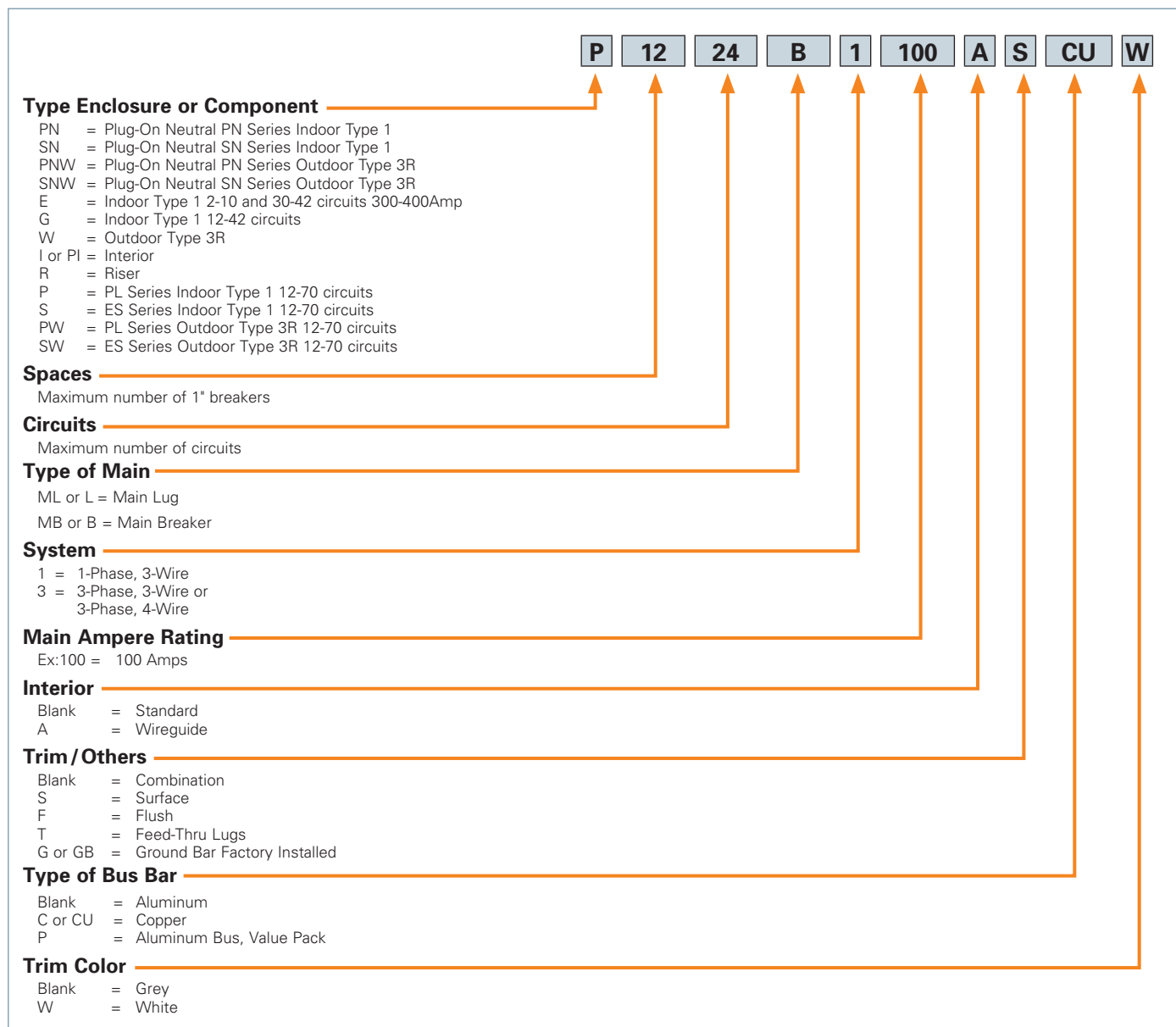
Scan to connect
online to the
most up-to-
date version of
this Section of
SPEEDFAX.



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.



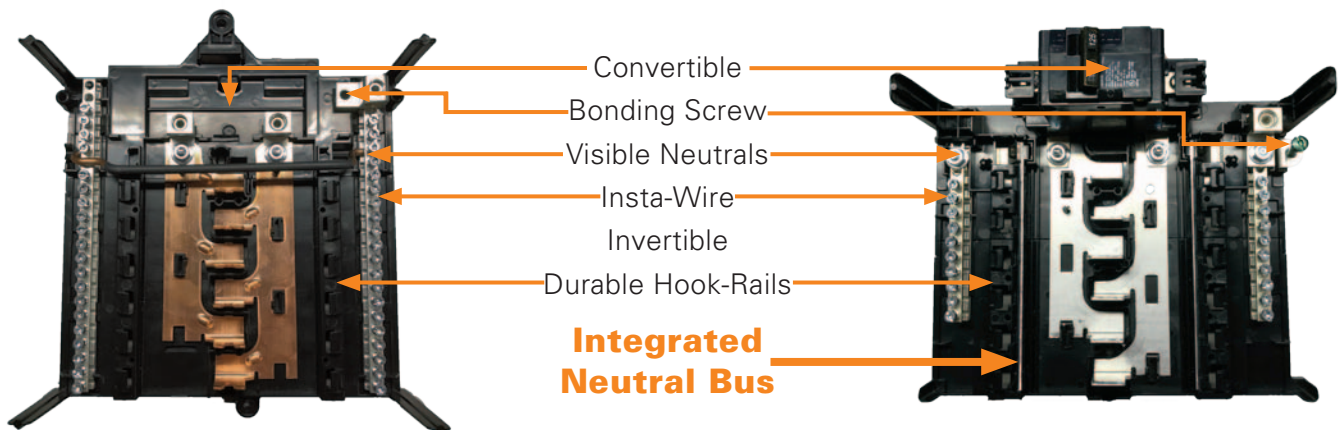
1
LOAD CENTERS &
CIRCUIT BREAKERS

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.^①



^① 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 AFI 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 convertible from main lug to main breaker and vice versa.

Invertible for bottom feed application.®

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.

Copper Bus®

All devices come with an integrated neutral bus.

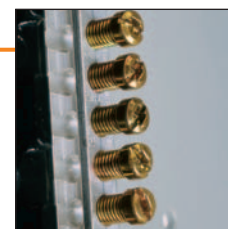
1-Phase PN Series Plug-On Neutral Load Centers ship with trims packaged separately.

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.

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.



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^① 100-225 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 ^④	Enclosure Height (inches) ^②	Catalog Number	Enclosure Height (inches) ^③
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 ^⑤	23
150	20	40	PN2040B1150C	24	PNW2040B1150C	27
150	30	30	PN3030B1150C	30	—	—
150	30	48	—	—	PNW3048B1150C	35
200	8	16	—	—	PNW0816B1200TC ^⑤	23
200	20	40	PN2040B1200C	26	PNW2040B1200C	27
200	30	48	PN3048B1200 ^④	30	—	—
200	30	48	PN3048B1200C	30	PNW3048B1200C	35
200	40	40	PN4040B1200 ^④	36	—	—
200	40	40	PN4040B1200C	36	PNW4040B1200C	38
200	40	60	PN4060B1200 ^④	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	LC1224B1100	SN1224B1100	Main Breaker	100	Aluminum
1	Indoor	LC1224L1125	SN1224L1125	Main Lug	125	Aluminum
1	Indoor	LC1224L1125P	SN2020B1100P1	Main Lug	125	Aluminum
1	Indoor	LC1224L1125W	SN1224L1125W	Main Lug	125	Aluminum
1	Indoor	LC1632B1150	SN1632B1150	Main Breaker	150	Aluminum
1	Indoor	LC1632B1200	SN1632B1200	Main Breaker	200	Aluminum
1	Indoor	LC1632L1125	SN1632L1125	Main Lug	125	Aluminum
1	Indoor	LC1632L1125W	SN1632L1125W	Main Lug	125	Aluminum
1	Indoor	LC1632L1150	SN1632L1150	Main Lug	150	Aluminum
1	Indoor	LC2040B1100	SN2040B1100	Main Breaker	100	Aluminum
1	Indoor	LC2040B1100CU	PN2040B1100C	Main Breaker	100	Copper
1	Indoor	LC2040B1100P	SN2020B1100P1	Main Breaker	100	Aluminum
1	Indoor	LC2040B1150	SN2040B1150	Main Breaker	150	Aluminum
1	Indoor	LC2040B1200	SN2040B1200	Main Breaker	200	Aluminum
1	Indoor	LC2040B1200CU	PN2040B1200C	Main Breaker	200	Copper
1	Indoor	LC2040B1200P	SN3048B1200P1	Main Breaker	200	Aluminum
1	Indoor	LC2040L1125	SN2040L1125	Main Lug	125	Aluminum
1	Indoor	LC2040L1125CU	PN2040L1125C	Main Lug	125	Copper
1	Indoor	LC2040L1200	SN2040L1200	Main Lug	200	Aluminum
1	Indoor	LC2040L1200CU	PN2040L1200C	Main Lug	200	Copper
1	Indoor	LC2440B1100	SN2448B1100	Main Breaker	100	Aluminum
1	Indoor	LC2440B1150	SN2448B1150	Main Breaker	150	Aluminum
1	Indoor	LC2440B1200	SN2448B1200	Main Breaker	200	Aluminum
1	Indoor	LC2440L1150	SN2448L1150	Main Lug	150	Aluminum
1	Indoor	LC2440L1200	SN2448L1200	Main Lug	200	Aluminum
1	Indoor	LC2448B1100	SN2448B1100	Main Breaker	100	Aluminum
1	Indoor	LC2448B1100P	SN2020B1100P1	Main Breaker	100	Aluminum
1	Indoor	LC3040B1100	SN3048B1100	Main Breaker	100	Aluminum
1	Indoor	LC3040B1100W	SN3048B1100W	Main Breaker	100	Aluminum
1	Indoor	LC3040B1150	SN3048B1150	Main Breaker	150	Aluminum
1	Indoor	LC3040B1200	SN3048B1200	Main Breaker	200	Aluminum
1	Indoor	LC3040B1200CU	PN3048B1200C	Main Breaker	200	Copper
1	Indoor	LC3040B1200P	SN3048B1200P1	Main Breaker	200	Aluminum
1	Indoor	LC3040L1125	SN3048L1125	Main Lug	125	Aluminum
1	Indoor	LC3040L1200	SN3048L1200	Main Lug	200	Aluminum
1	Indoor	LC3040L1200CU	PN3048L1200C	Main Lug	200	Copper
1	Indoor	LC3054B1200	SN3048B1200	Main Breaker	200	Aluminum
1	Indoor	LC3060B1200P	SN3048B1200P1	Main Breaker	200	Aluminum
1	Indoor	LC4040B1200	SN4040B1200	Main Breaker	200	Aluminum
1	Indoor	LC4040B1200CU	PN4040B1200C	Main Breaker	200	Copper
1	Indoor	LC4040B1200P	SN4040B1200P1	Main Breaker	200	Aluminum
1	Indoor	LC4040L1200	SN4040L1200	Main Lug	200	Aluminum

Load Centers

Cross Reference

Phase	Enclosure	Legacy Catalog Number	New Catalog Number	Main	Amperage	Bus
1	Indoor	P2040B1100ACUW	PN2040B1100CW	Main Breaker	100	Copper
1	Indoor	P2040B1150ACU	PN2040B1150C	Main Breaker	150	Copper
1	Indoor	P2040B1150ACUW	PN2040B1150CW	Main Breaker	150	Copper
1	Indoor	P2040B1200ACU	PN2040B1200C	Main Breaker	200	Copper
1	Indoor	P2040B1200ACUW	PN2040B1200CW	Main Breaker	200	Copper
1	Indoor	P2040B1200CU	PN2040B1200C	Main Breaker	200	Copper
1	Indoor	P2040L1125ACU	PN2040L1125C	Main Lug	125	Copper
1	Indoor	P2040L1125ACUW	PN2040L1125CW	Main Lug	125	Copper
1	Indoor	P2040L1150ACU	PN2040L1150C	Main Lug	150	Copper
1	Indoor	P2040L1150ACUW	PN2040L1150CW	Main Lug	150	Copper
1	Indoor	P2040L1200ACU	PN2040L1200C	Main Lug	200	Copper
1	Indoor	P2040L1200ACUW	PN2040L1200CW	Main Lug	200	Copper
1	Indoor	P2040L1200CU	PN2040L1200C	Main Lug	200	Copper
1	Indoor	P2424B1100CU	PN2424B1100C	Main Breaker	100	Copper
1	Indoor	P2430L1125CUSG	PN2448L1125C	Main Lug	125	Copper
1	Indoor	P2440L1125CU	PN2448L1125C	Main Lug	125	Copper
1	Indoor	P2440L1125CUW	PN2448L1125CW	Main Lug	125	Copper
1	Indoor	P2440L1200CU	PN2448L1200C	Main Lug	200	Copper
1	Indoor	P2448B1100ACU	PN2424B1100C	Main Breaker	100	Copper
1	Indoor	P2448B1100ACUW	PN2424B1100CW	Main Breaker	100	Copper
1	Indoor	P2448L1125ACU	PN2448L1125C	Main Lug	125	Copper
1	Indoor	P2448L1125ACUW	PN2448L1125CW	Main Lug	125	Copper
1	Indoor	P2448L1200ACU	PN2448L1200C	Main Lug	200	Copper
1	Indoor	P2448L1200ACUW	PN2448L1200CW	Main Lug	200	Copper
1	Indoor	P3030B1100CU	PN3030B1100C	Main Breaker	100	Copper
1	Indoor	P3030B1125CU	PN3030B1125C	Main Breaker	125	Copper
1	Indoor	P3030B1125CUW	PN3030B1125CW	Main Breaker	125	Copper
1	Indoor	P3030B1150CU	PN3030B1150C	Main Breaker	150	Copper
1	Indoor	P3030L1200CU	PN3030L1200C	Main Lug	200	Copper
1	Indoor	P3040B1200	PN3048B1200	Main Breaker	200	Aluminum
1	Indoor	P3040B1200CU	PN3048B1200C	Main Breaker	200	Copper
1	Indoor	P3040B1200W	PN3048B1200W	Main Breaker	200	Aluminum
1	Indoor	P3040L1125CU	PN3048L1125C	Main Lug	125	Copper
1	Indoor	P3040L1125CUW	PN3048L1125CW	Main Lug	125	Copper
1	Indoor	P3040L1200	PN3048L1200	Main Lug	200	Aluminum
1	Indoor	P3040L1200CU	PN3048L1200C	Main Lug	200	Copper
1	Indoor	P3040L1200CUSG	PN3048L1200C	Main Lug	200	Copper
1	Indoor	P3040L1200CUW	PN3048L1200CW	Main Lug	200	Copper
1	Indoor	P3040L1200SG	PN3048L1200	Main Lug	200	Aluminum
1	Indoor	P3040L1200W	PN3048L1200W	Main Lug	200	Aluminum
1	Indoor	P3042B1125CUSP	PN3030B1125C	Main Breaker	125	Copper
1	Indoor	P3054B1200S140	PN3048B1200S14	Main Breaker	200	Copper

Load Centers

Cross Reference

Phase	Enclosure	Legacy Catalog Number	New Catalog Number	Main	Amperage	Bus
1	Indoor	P3054L1200CU	PN3048L1200C	Main Lug	200	Copper
1	Indoor	P3060B1100ACU	PN3030B1100C	Main Breaker	100	Copper
1	Indoor	P3060B1100ACUW	PN3030B1100CW	Main Breaker	100	Copper
1	Indoor	P3060B1125ACU	PN3030B1125C	Main Breaker	125	Copper
1	Indoor	P3060B1125ACUW	PN3030B1125CW	Main Breaker	125	Copper
1	Indoor	P3060B1150ACU	PN3030B1150C	Main Breaker	150	Copper
1	Indoor	P3060B1150ACUW	PN3030B1150CW	Main Breaker	150	Copper
1	Indoor	P3060B1200A	PN3048B1200	Main Breaker	200	Aluminum
1	Indoor	P3060B1200ACU	PN3048B1200C	Main Breaker	200	Copper
1	Indoor	P3060B1200ACUW	PN3048B1200CW	Main Breaker	200	Copper
1	Indoor	P3060B1200AW	PN3048B1200W	Main Breaker	200	Aluminum
1	Indoor	P3060L1125ACU	PN3048L1125C	Main Lug	125	Copper
1	Indoor	P3060L1125ACUW	PN3048L1125CW	Main Lug	125	Copper
1	Indoor	P3060L1200A	PN3048L1200	Main Lug	200	Aluminum
1	Indoor	P3060L1200ACU	PN3048L1200C	Main Lug	200	Copper
1	Indoor	P3060L1200ACUW	PN3048L1200CW	Main Lug	200	Copper
1	Indoor	P3060L1200AW	PN3048L1200W	Main Lug	200	Aluminum
1	Indoor	P4040B1200	PN4040B1200	Main Breaker	200	Aluminum
1	Indoor	P4040B1200CU	PN4040B1200C	Main Breaker	200	Copper
1	Indoor	P4040B1200CUSG	PN4040B1200C	Main Breaker	200	Copper
1	Indoor	P4040B1200CUW	PN4040B1200CW	Main Breaker	200	Copper
1	Indoor	P4040B1200W	PN4040B1200W	Main Breaker	200	Aluminum
1	Indoor	P4040L1125CU	PN4040L1125C	Main Lug	125	Copper
1	Indoor	P4040L1125CUW	PN4040L1125CW	Main Lug	125	Copper
1	Indoor	P4040L1200	PN4040L1200	Main Lug	200	Aluminum
1	Indoor	P4040L1200CU	PN4040L1200C	Main Lug	200	Copper
1	Indoor	P4040L1200CUSG	PN4040L1200C	Main Lug	200	Copper
1	Indoor	P4040L1200CUW	PN4040L1200CW	Main Lug	200	Copper
1	Indoor	P4040L1200SG	PN4040L1200	Main Lug	200	Aluminum
1	Indoor	P4060B1200S140	PN4060B1200S14	Main Breaker	200	Copper
1	Indoor	P4080B1200A	PN4060B1200	Main Breaker	200	Aluminum
1	Indoor	P4080B1200ACU	PN4060B1200C	Main Breaker	200	Copper
1	Indoor	P4080B1200ACUW	PN4060B1200CW	Main Breaker	200	Copper
1	Indoor	P4080B1200AW	PN4060B1200W	Main Breaker	200	Aluminum
1	Indoor	P4080L1125ACU	PN4040L1125C	Main Lug	125	Copper
1	Indoor	P4080L1125ACUW	PN4040L1125CW	Main Lug	125	Copper
1	Indoor	P4080L1200A	PN4040L1200	Main Lug	200	Aluminum
1	Indoor	P4080L1200ACU	PN4060L1200C	Main Lug	200	Copper
1	Indoor	P4080L1200ACUW	PN4060L1200CW	Main Lug	200	Copper
1	Indoor	P4080L1200AW	PN4040L1200W	Main Lug	200	Aluminum
1	Indoor	P4260B1225CU	PN4264B1225C	Main Breaker	225	Copper
1	Indoor	P4260B1225CUW	PN4264B1225CW	Main Breaker	225	Copper