SIEMENS

Ingenuity for life

Plug-On Neutral Load Centers and Electronic Breakers

Simple. Spacious. Secure.

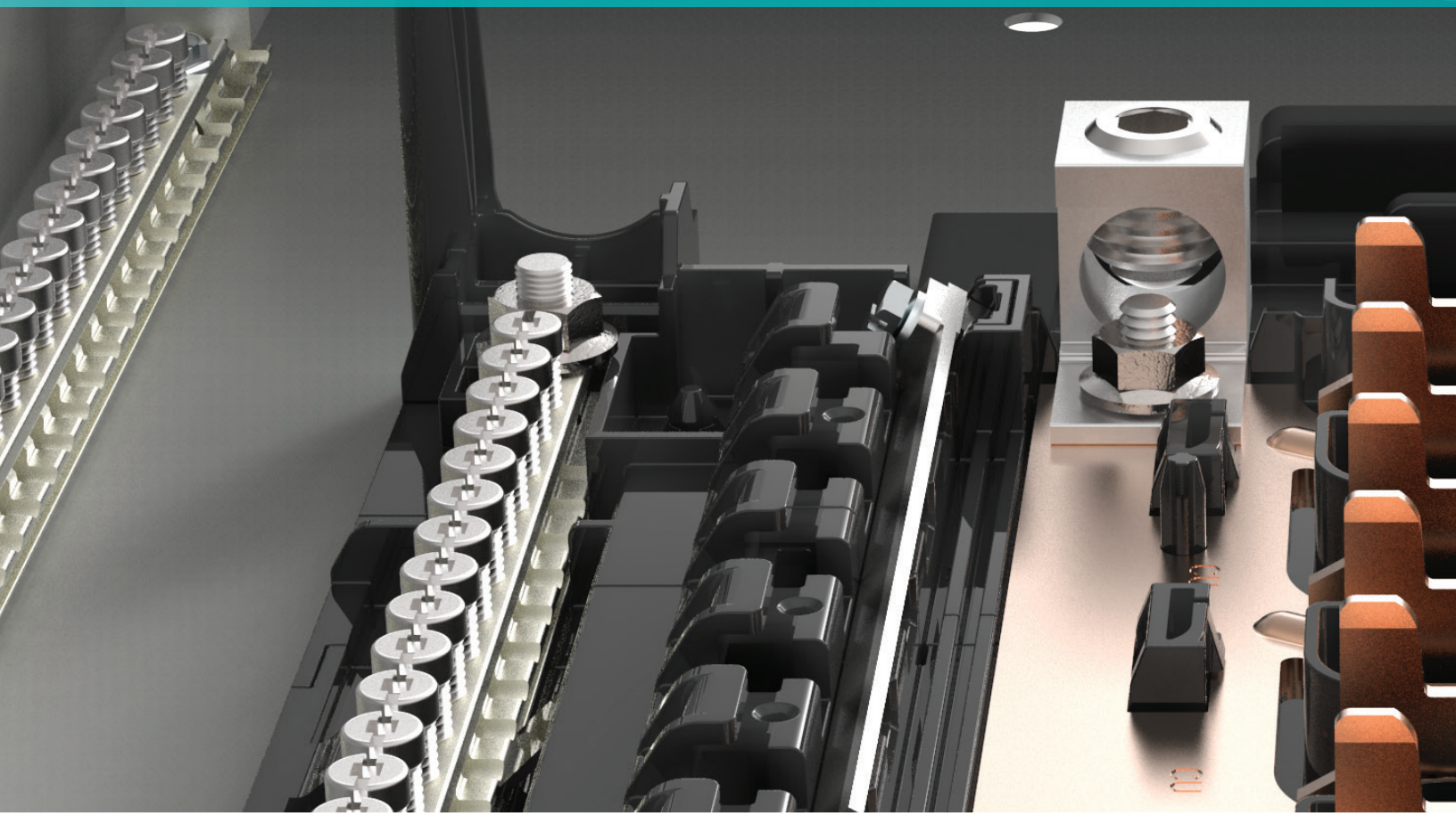
Installs just like any other circuit breaker.

Now without the pigtail.

No new wiring practice or installation method required.

usa.siemens.com/loadcenters

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.



Simple

- Quicker breaker installation
- Wiring made easier with the neutral lug removed on CAFCI breakers
- Same great features as PL and ES load centers

Spacious

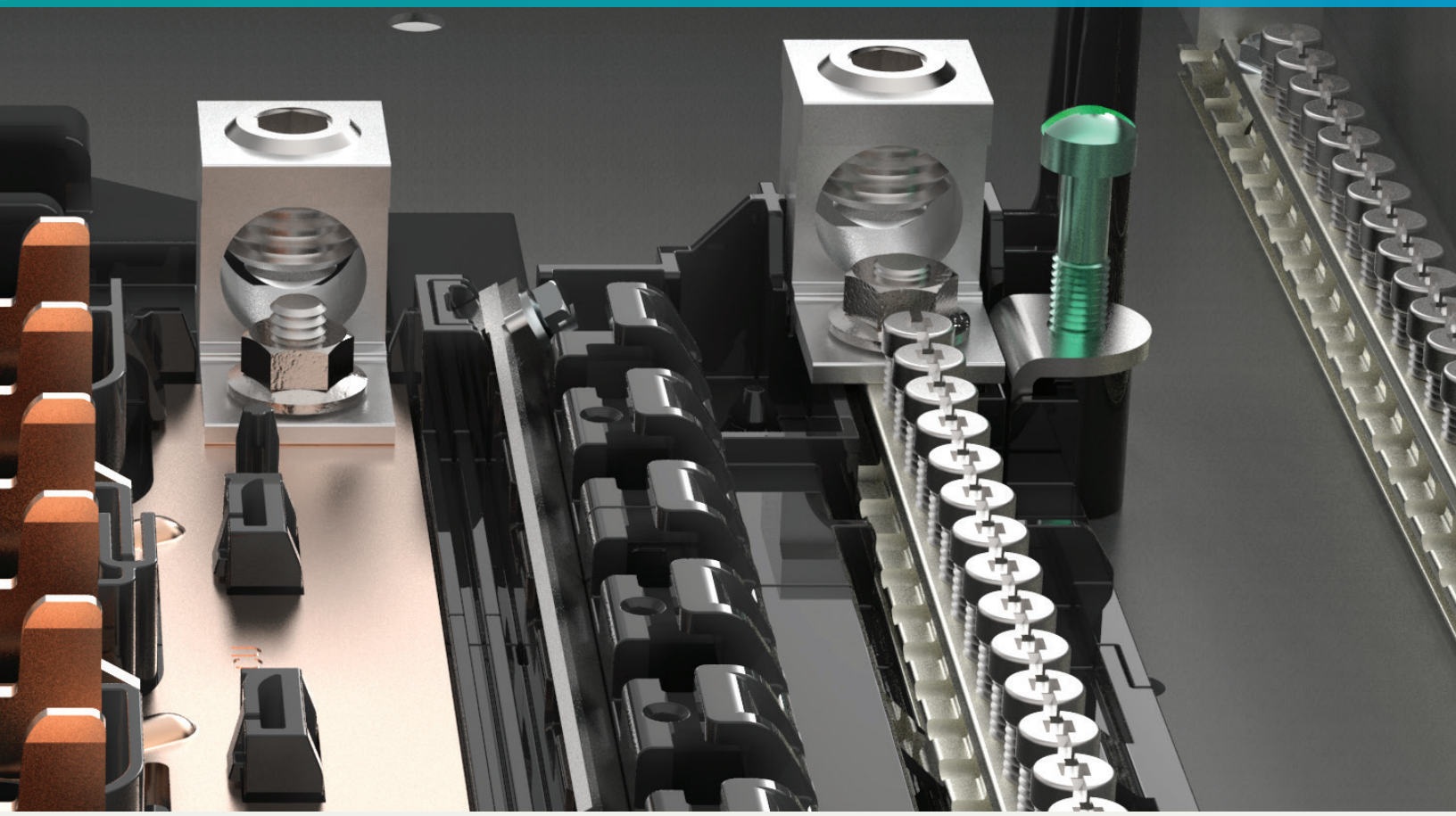
- Small electronic breaker footprint
- Design allows for neutral terminal accessibility
- Over 4 inches of wire bending space

Secure

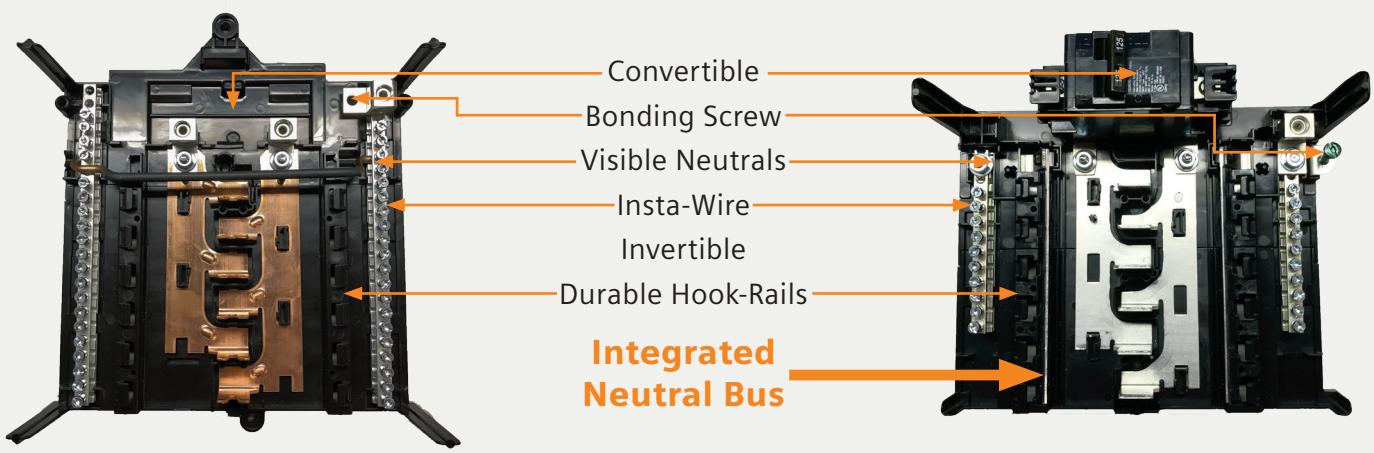
- Same reliable installation method
- Neutral clip is the same as line side
- Durable hook-rail

A Siemens Advantage

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.



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.

Plug-on neutral breaker offering:

- 1 and 2-pole CAFCI
- 1-pole Dual Function (CAFCI/GFCI)
- 1-pole GFCI

Features:

- Load Lug(s) only on the CAFCI breakers
- LED indicators for troubleshooting
- Insta-Wire connectors

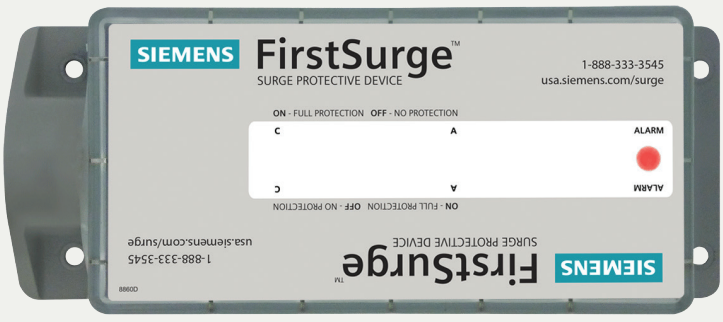
Technical Data:

- 10,000 AIC
- 120V
- UL Listed
- HACR and SWD rated

Combination Type AFCI	
1-pole	QA115AFCN
	QA120AFCN
2-pole	Q215AFCN
	Q220AFCN
Dual Function	
1-pole	Q115DFN
	Q120DFN
GFCI Class A 5mA	
1-pole	QF115AN
	QF120AN
	QF130AN

Note: Both plug-on neutral and existing pigtail breakers are listed for use in plug-on neutral load centers.

The new plug-on neutral load center is compatible with existing surge solutions including the QSA breaker and FirstSurge™ stand-alone units. Additionally, there are four panels offered with a factory-installed FirstSurge unit.



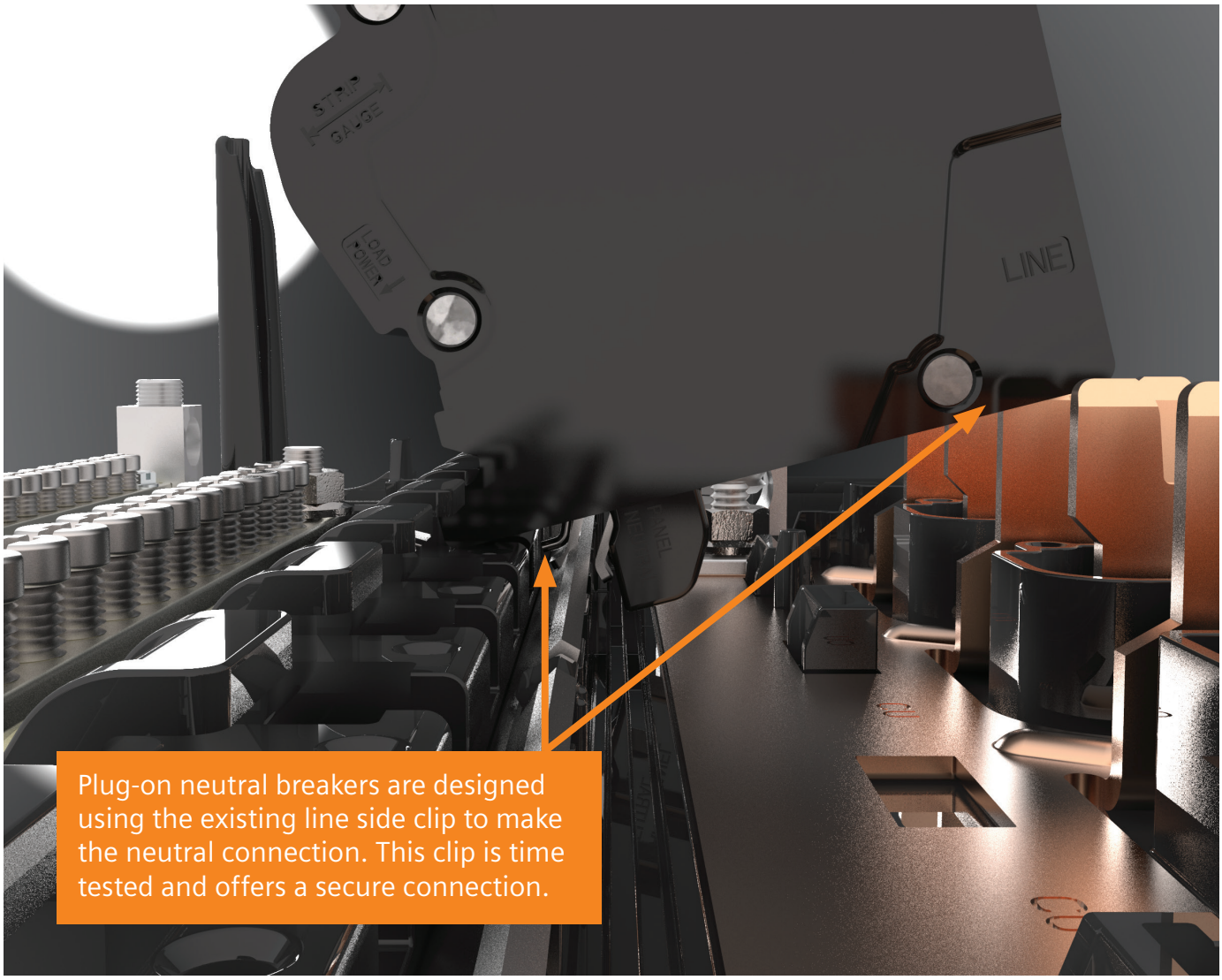
FirstSurge™
Surge Protection Device

QSA Circuit Breaker and
Surge Protection Device

CAFCI

Dual Function

CAFCI breakers now have a single lug only. The branch neutral conductor is returned to the neutral terminal bar. CAFCI breakers can be installed in the same manner as a thermal magnetic (standard) breaker. This allows the installer to land ground and neutral conductors before installing the breaker and power conductor.



Plug-on neutral breakers are designed using the existing line side clip to make the neutral connection. This clip is time tested and offers a secure connection.

PN Series 1-phase Main Breaker/Convertible Plug-On Neutral Load Centers ⑥

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

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	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.

PN Series 1-phase Main Lug/Convertible Plug-On Neutral Load Centers ⑥

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

Main Lug / Convertible Load Centers ③
125-225 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	Enclosure Height (inches) ①	Catalog Number	Enclosure Height (inches) ②
125	12	12	**PN1212L1125C**	18	**PNW1212L1125C**	21
125	12	24	**PN1224L1125C**	18	**PNW1224L1125C**	21
125	16	32	**PN1632L1125C**	21	**PNW1632L1125C**	23
125	20	20	**PN2020L1125C**	21	–	–
125	20	40	**PN2040L1125C**	21	–	–
125	24	48	**PN2448L1125C**	24	–	–
125	30	48	**PN3048L1125C**	26	**PNW3048L1125C**	29
125	40	40	**PN4040L1125C**	36	–	–
150	20	40	**PN2040L1150C**	24	**PNW2040L1150C**	27
200	8	16	–	–	**PNW0816L1200TC** ⑤	23
200	12	24	**PN1224L1200C**	21	**PNW1224L1200C**	23
200	20	40	**PN2040L1200C**	26	**PNW2040L1200C**	27
200	24	48	**PN2448L1200C**	30	–	–
200	30	30	**PN3030L1200C**	30	–	–
200	30	48	**PN3048L1200** ④	30	–	–
200	30	48	**PN3048L1200C**	30	**PNW3048L1200C**	35
200	40	40	**PN4040L1200** ④	36	–	–
200	40	40	**PN4040L1200C**	36	**PNW4040L1200C**	38
200	40	60	**PN4060L1200C**	36	–	–
225	12	24	–	–	**PNW1224L1225C**	27
225	42	64	**PN4264L1225C**	39	**PNW4264L1225C**	38
225	54	82	**PN5482L1225C**	43	–	–

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

SN Series 1-phase Main Breaker Plug-On Neutral Load Centers ⑤

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

Main Breaker Load Centers ①
100-225 Amperes

Aluminum 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	Enclosure Height (inches) ②	Catalog Number	Enclosure Height (inches) ③
100	12	24	**SN1224B1100**	18	**SNW1224B1100**	21
100	16	32	**SN1632B1100**	21	**SNW1632B1100**	23
100	20	20	**SN2020B1100**	21	**SNW2020B1100**	27
100	20	40	**SN2040B1100**	21	–	–
100	24	48	**SN2448B1100**	24	–	–
100	30	30	**SN3030B1100**	26	–	–
100	30	48	**SN3048B1100**	**26**	–	–
125	12	24	–	–	**SNW1224B1125**	**21**
125	16	32	**SN1632B1125**	**21**	–	–
125	20	40	–	–	**SNW2040B1125**	27
125	24	24	**SN2424B1125**	24	**SNW2424B1125**	27
125	30	30	**SN3030B1125**	26	–	–
125	30	48	**SN3048B1125**	**26**	**SNW3048B1125**	29
150	16	32	**SN1632B1150**	**24**	–	–
150	20	40	**SN2040B1150**	24	**SNW2040B1150**	27
150	24	48	**SN2448B1150**	26	–	–
150	30	30	**SN3030B1150**	30	–	–
150	30	48	**SN3048B1150**	30	**SNW3048B1150**	**35**
200	40	40	–	–	**SNW4040B1150**	38
200	8	16	–	–	**SNW0816B1200T** ④	**23**
200	12	24	–	–	**SNW1224B1200**	**23**
200	16	32	**SN1632B1200**	24	–	–
200	20	40	**SN2040B1200**	26	**SNW2040B1200**	27
200	24	48	**SN2448B1200**	30	–	–
200	30	48	**SN3048B1200**	30	**SNW3048B1200**	**35**
200	40	40	**SN4040B1200**	36	**SNW4040B1200**	**38**
200	40	60	**SN4060B1200**	36	–	–
200	42	64	**SN4264B1200**	39	–	–
200	54	82	**SN5482B1200**	42	–	–
225	42	64	**SN4264B1225**	39	**SNW4264B1225**	**38**
225	54	82	**SN5482B1225**	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 Feed-thru lugs.
⑤ Available (made to order) in white by adding "W" to the end of the catalog number.

SN Series 1-phase Main Lug Plug-On Neutral Load Centers ④

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

Main Lug Load Centers
100-225 Amperes

Aluminum 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	Enclosure Height (inches) ①	Catalog Number	Enclosure Height (inches) ②
125	12	12	**SN1212L1125**	18	**SNW1212L1125**	21
125	12	24	**SN1224L1125**	18	**SNW1224L1125**	21
125	16	32	**SN1632L1125**	21	**SNW1632L1125**	21
125	20	20	**SN2020L1125**	21	–	–
125	20	40	**SN2040L1125**	21	**SNW2040L1125**	**23**
125	24	24	**SN2424L1125**	24	**SNW2424L1125**	**27**
125	24	48	**SN2448L1125**	24	–	–
125	30	48	**SN3048L1125**	26	**SNW3048L1125**	**29**
125	40	40	**SN4040L1125**	30	–	–
150	16	32	**SN1632L1150**	**21**	–	–
150	20	40	**SN2040L1150**	24	**SNW2040L1150**	27
150	24	48	**SN2448L1150**	26	–	–
200	8	16	–	–	**SNW0816L1200T** ③	**23**
200	12	24	**SN1224L1200**	21	**SNW1224L1200**	**21**
200	20	40	**SN2040L1200**	26	**SNW2040L1200**	**27**
200	24	48	**SN2448L1200**	26	–	–
200	30	30	**SN3030L1200**	30	–	–
200	30	48	**SN3048L1200**	30	**SNW3048L1200**	29
200	40	40	**SN4040L1200**	36	**SNW4040L1200**	**35**
225	12	24	–	–	**SNW1224L1225**	21
225	40	60	**SN4060L1225**	36	–	–
225	42	64	**SN4264L1225**	36	**SNW4264L1225**	**38**
225	54	82	**SN5482L1225**	42	–	–

① Indoor enclosures are 14 1/4" wide by 3 7/8" deep.
② Outdoor enclosures are 14 1/2" wide by 4 1/4" deep.
③ Feed-thru lugs.
④ Available (made to order) in white by adding "W" to the end of the catalog number.

Specialty Main Lug and Main Breaker Plug-On Neutral Load Centers

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

Factory Installed FirstSurge Load Centers

Amp Rating	No. of Spaces	No. of Circuits	Indoor Enclosure - NEMA Type 1		Surge Protection
			Catalog Number	Enclosure Height (inches)	
200	30	48	**PN3048B1200S14**	36	140kA
200	40	60	**PN4060B1200S14**	42	140kA
200	30	48	**SN3048B1200S06**	36	60kA
200	40	60	**SN4060B1200S06**	42	60kA

500 Kcmil Lug Load Center

Amp Rating	No. of Spaces	No. of Circuits	Indoor Enclosure - NEMA Type 1	
			Catalog Number	Enclosure Height (inches)
200	30	48	**SN3048L1200L50**	36

Selectable Main Load Centers

Amp Rating	No. of Spaces	No. of Circuits	Indoor Enclosure - NEMA Type 1		Outdoor Enclosure - NEMA Type 3R	
			Catalog Number	Enclosure Height (inches)	Catalog Number	Enclosure Height (inches)
125	24	24	**SN2424C1125**	24	**SNW2424C1125**	27
200	20	40	**SN2040C1200**	26	**SNW2040C1200**	27
200	30	48	**SN3048C1200**	30	**SNW3048C1200**	35
200	40	40	**SN4040C1200**	36	**SNW4040C1200**	38

Notes:

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