Eaton Type CH Convertible Family

Contents

Overview

Product Description

Loadcenters are enclosures specifically designed to house the branch circuit breakers and wiring required to distribute power to individual circuits. They contain either a main breaker when used at the service entrance point or a main lug when used as a sub-panel to add circuits to existing service. The main breaker protects the main entire panel and can be used as a service disconnect. The branch breakers protect the wires leading to individual electrical loads such as fixtures and outlets.

CH Plug-on Neutral Loadcenter

Quicker, easier and cleaner than the competition. The CH Plug-on Neutral portfolio offers a unique design that offers improved safety, ease of installation and leaves the end result with a clean and professional look and feel.

Features, Benefits and Functions

Loadcenter Construction

Eaton's Type CH loadcenters feature silver flash plated copper bus in all interiors. Stabs are rated 200 A throughout the CH line. Therefore, the sum of the handle ratings connected to any one stab is limited to 200 A maximum. NEMA 1 boxes are manufactured from cold rolled 16 gauge sheet steel. Raintight boxes are manufactured from galvanized steel. All boxes and trims are finished using an electrostatic powder coat, baked urethane sandalwood paint process.

Neutrals

Eaton Type CH loadcenters feature three types of neutrals:

Insulated/Bondable Split Neutral

Panels are supplied with split insulated neutrals with an insulated cross strap. For service entrance applications, the neutral must be bonded by using the bonding strap supplied with the panel. For non-service entrance (sub-panel) applications, the panel may be installed with the bonding strap not connected to the neutral. Separate ground bars must be used on non-service entrance panels.

Inboard Plug-on Neutral

Code changes and higher safety standards are leading to more arc fault circuit interrupter (AFCI) installations. With the electrical contractor in mind, Eaton has revolutionized the way Combination AFCIs are installed with the Plug-on Neutral line of loadcenters and breakers.

This unique product solution enables the contractor to connect the breaker directly to the neutral bar, eliminating the need for wiring a pigtail.

Insulated/Bondable Single Neutral

Panels are supplied with a single insulated neutral. For service entrance applications, all that is required to bond the neutral is to loosen the bonding screw and the neutral screw directly beside it, insert the bonding strap into the neutral bar, and re-tighten both connections. The single neutral can be moved by the contractor to the other side of the panel, if desired. When used as a service entrance panel, unused neutral connections may be used for the termination of equipment grounds. For non-service entrance (sub-panel) applications, the panel may be installed with the bonding strap not connected to the neutral. Separate ground bars must be used on non-service entrance panels.

Grounds

In service entrance applications where the neutral is bonded, unused neutral holes may be used for terminating ground conductors. In sub-feed panels, the neutral must be isolated (non-bonded), and ground wires must be terminated on a separate ground bar. All CH Main Lug Only Plug-on Neutral loadcenters come with a factory-installed ground bar.

The insulated/bondable single/split neutral panels have sufficient terminations for both ground and neutral conductors. The insulated/bondable single split neutral panels are supplied with a separate factory-installed ground bar if the catalog number contains a "G." If not, a separate ground bar should be installed. Insulated/Bondable Single Neutral panels are supplied without a ground bar (unless otherwise noted), and ground bar kits, if needed, must be purchased separately.

Neutral and Ground Terminals

The standard terminals on grounds and neutrals are rated to accept (3)—#14–#10 Cu/Al or (1)—#14–4 wires. For larger cables, add-on neutral lugs may be ordered from the Accessories.

Note: NEC® allows only one current carrying conductor per hole on neutrals unless otherwise noted.

Bottom-Fed Loadcenters

When the power cable is brought into the loadcenter from below the panel; then the main lug panels, and single-phase, 225 A and below, loadcenters can be rotated 180 degrees to allow straight-in wiring of power cables to the main terminals. Because the CSR main circuit breaker handle operates horizontally, the orientation of the main circuit breaker handle is consistent with the requirements of NEC Article 240.81.

Gutter Splicing

Loadcenters are not UL listed as wiring troughs. Therefore, gutter splicing of riser cables to tap off to the main device is not permitted. Refer to NEC Article 373.8.

Fire Rating

Due to the numerous openings in both loadcenter boxes and trims, they should not be mounted in firewalls. There is no approval method for sealing the enclosures for this application.

Date Code

The date of manufacture of each loadcenter is printed on the outside of the carton as well as inside the loadcenter. On the carton, the date code is printed on the end carton label. In the loadcenter, the date code is located on the small white label located on the right side wall (with the main device on top).

The date code is in the following format: F # # # &. The "F" is the numeric code for the Lincoln, IL plant, and the three numbers are the year and week of manufacture, e.g., 023. The "&" sign at the end signifies the decade of the 2000s. The "!" at the end signifies the decade of the 2010s. Therefore, the date code F023& would indicate that the product was manufactured in the 23rd week of 2000. The 1980s are represented by a "+" sign and the 1990s are represented by a "=" at the end of the code.

Plug-on Type CH Breakers

Quick-make, quick-break switch mechanism combined with inverse time element tripping operation and trip-free handle design. Type CH circuit breakers trip to the OFF position eliminating nuisance callbacks. The thermal-magnetic trip curve avoids nuisance tripping on mild overloads while reacting almost instantaneously to severe short-circuit conditions. CHF breakers include a 'trip flag' to differentiate between a tripped breaker and one that has been turned off. Multipole breakers have internal common trip connection to operate all poles simultaneously. Handles are marked with ON-OFF indication and ampere rating of the breaker. Type CH breakers meet UL Standard 489, NEMA standards, and Federal Spec Classification W-C 375 b/Gen. They are UL listed under File Number E11713, E8741, E3624 and E51287: and CSA® certified file number LR87196, except Type CHT breakers.

Type CH Circuit Breaker Ratings

Single- and double-pole CH breakers rated 15 and 20 A have low instantaneous magnetic trip levels. The 15 and 20 A breakers with "HM" suffix have high magnetic trip settings recommended for circuits with inherently high inrush currents. All Type CH breakers are marked for heating, air conditioning and refrigeration (HACR) equipment application. Single-pole 15–20 A breakers are also suitable for switching duty (SWD). Shunt trip coils operate on 120 Vac and require one additional pole space per breaker.

Standards and Certifications

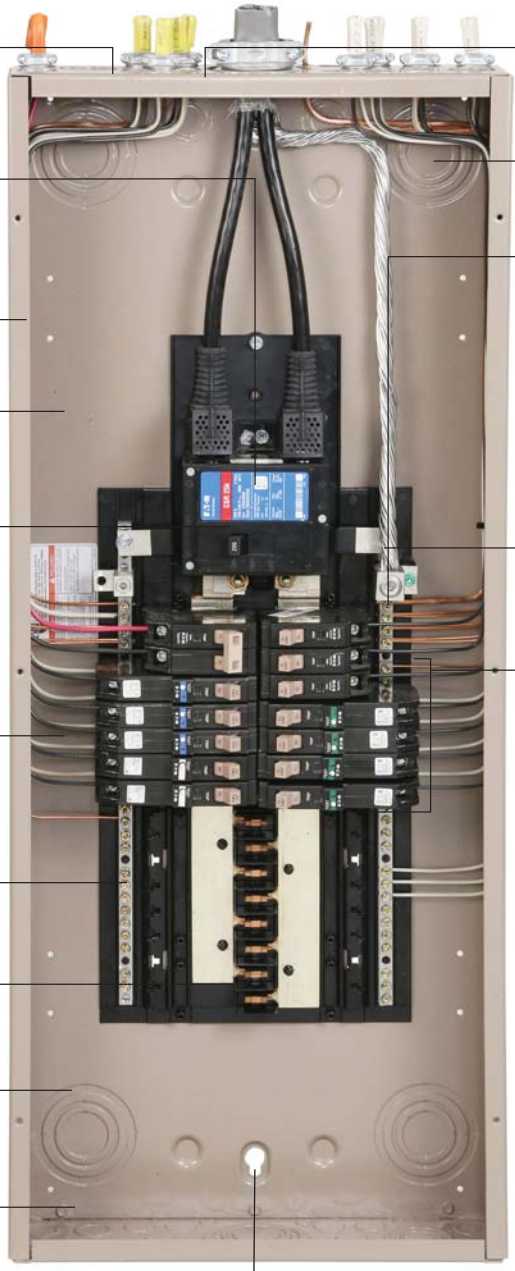
UL® Listings

All Eaton Type CH loadcenters are listed under the UL 67 certification in file E8741.

UL Listed

1

Type CH Loadcenter



Optimized Knockouts
- Provide additional access and allow for easier removal improving installation times

Top or Bottom Feed
- Straight-in wiring saves labor and material
- One panel for either top or or bottom applications

Smooth Case Edges
- Provide a more professional look and feel

2/0 Lug
- Easily removable and can be installed in any location on the neutral bar

Commercial Grade Main Breaker
- 25 kAIC series rated main breaker in 150 A–225 A loadcenters. 35, 42 and 100 kAIC series ratings are available
- Optional convertible design—reduces inventory requirements

Full Length Neutral Bars
- Offer flexibility of placing electronic breakers at any space within the panel
- Offer easy installation of neutral connection time and labor savings

Inboard Neutral
- Increases gutter space to allow for the installation of conductors

One Piece Silver-Flashed Copper Bus
- Provides superior conductivity, corrosion resistance and durability

Drywall Offsets (located on both sides of enclosure)
- Allow for faster installation using predetermined self-leveling tabs

Steel Backpan
- Provides solid and reliable breaker mounting—single piece design for stability and durability

"Tangential" Center Knockout
- Easier installation for conduit applications

Unique Sandalwood Finish
- Aesthetically appealing, scratch-resistant powder coating

Full Length Neutral Bars
- Offer flexibility of placing electronic breakers at any space within the panel
- Allow for easy installation of neutral wire connection

Plug-On Neutral
- Eliminates the pigtail connection providing time and labor savings
- Provides a professional installation

Type CHF AFCI/GFCI/Thermal-Magnetic Breakers
- Advanced electronics effectively reduce nuisance tripping
- CHF AFCI breakers have a standard diagnostic LED indicating 1 of 7 trip codes
- Mechanical flag for trip indication (on thermal-magnetic AFCI and GFCI)
- All CH breakers provide industry exclusive 2-position handle with simple 1 step reset

Cover Features not Shown:

Improved Cover Twist-Outs
- Easier to remove twistouts

Embossed Cover Circuit Numbers
- Durable circuit numbering with added marking for twin breakers

Cover Keyhole Hanging Feature
- Provide easier cover installation by allowing quick hanging of cover regardless of orientation of the panel

Rigid Center Cover Spine
- Provides strengthened center spine when the twistouts are removed

Single Keyhole Mounting
- One keyhole at the top and bottom provides easier mounting and leveling

Warranty

The minimum warranty for residential loadcenters, breakers and surge protection devices shall be as follows:

- Lifetime loadcenter warranty
- Lifetime warranty on CH circuit breakers
- Lifetime warranty on CHSPT2ULTRA including $75,000 connected equipment warranty
- 1-year warranty on plug-in surge protective device (CHSA)

Catalog Number Selection

CH Plug-on Neutral Loadcenters

CH P 32 L 225 X5 F

Type Designation
CH = 3/4-inch (19.1 mm) breaker loadcenter

Feature
P = Plug-on neutral design

Number of Spaces

08	10	12	14	16
20	22	24	30	32
40	42	60		

Note: The number of circuits is equal to double the number of spaces.

Main Device
L = Main lug only
B = Main breaker
E = Convertible with main lugs installed
N = Convertible (main device purchased separately

Bus Amperes
100 = 100 A
125 = 125 A
150 = 150 A
200 = 200 A
225 = 225 A

Enclosure
R = NEMA Type 3R rainproof
X0 ① = 16.75 inch
X1 ① = 18.75 inch
X2 ① = 21.00 inch
X3 ① = 23.00 inch
X4 ① = 27.00 inch
X5 ① = 29.12 inch
X6 ① = 34.12 inch
X7 ① = 37.00 inch
X8 ① = 39.00 inch
X9 ① = 45.00 inch
X10 ① = 48.00 inch

① NEMA Type 1 indoor with no cover (to be ordered separately).

Accessories Installed
Blank = None installed
F = Feed-through lugs
E = Ground bar ②

② All MLO loadcenters come with a factory-installed ground, which is not indicated by the part number.

CH Plug-on Neutral Covers (Ordered Separately)

CHP X5 L F _

Type Designation
CHP =CH Plug-on neutral loadcenter cover

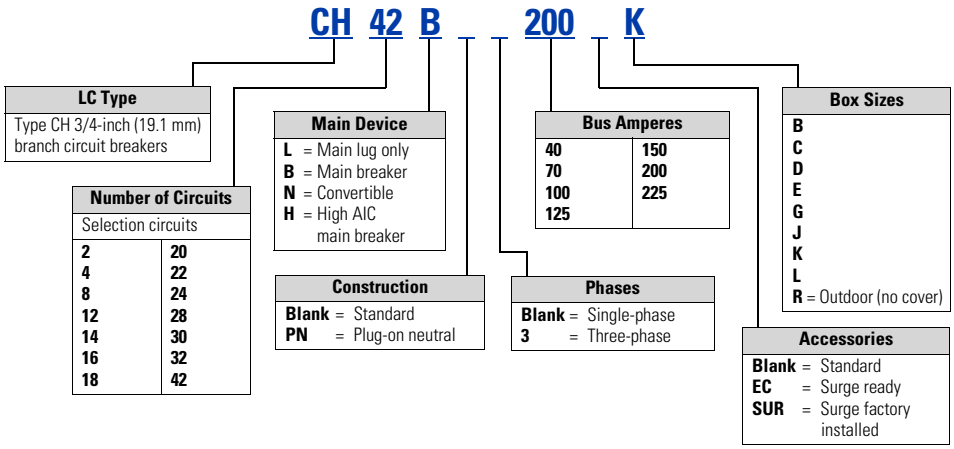
Bus Amperes
X0 = 16.75 inch
X1 = 18.75 inch
X2 = 21.00 inch
X3 = 23.00 inch
X4 = 27.00 inch
X5 = 29.12 inch
X6 = 34.12 inch
X7 = 37.00 inch
X8 = 39.00 inch
X9 = 45.00 inch
X10 = 48.00 inch

Main Device/Maximum Amperage
A = 125 A or below
B = 150 A, 200 A, 225 A main breaker
L = 150 A, 200 A, 225 A MLD
N = 150 A, 200 A, 225 A convertible

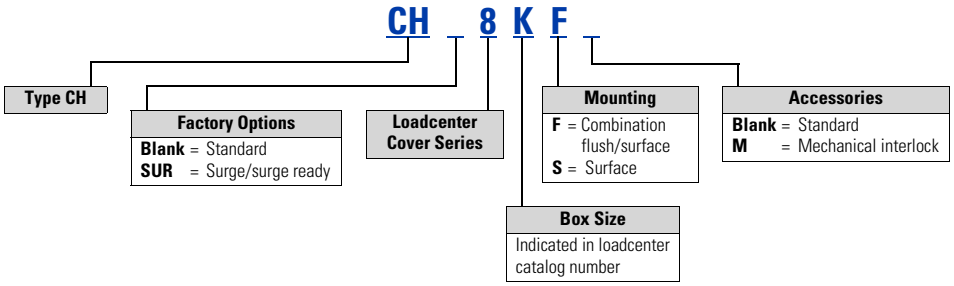
Mount
S = NEMA Type 1 indoor with surface trim
F = NEMA Type 1 indoor with flush trim

Options
Blank = Sandalwood
W = White

CH Legacy Loadcenters



CH Legacy Indoor Covers (Ordered Separately)



Note: All combinations are not valid, refer to the catalog section.

Product Selection

Single-Phase—Main Circuit Breaker Loadcenters—10/25 kAIC

CHP14B100X1

Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Split Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 3/4-Inch (19.1 mm) of Spaces	Maximum Number 3/4-Inch (19.1 mm) of Poles	Enclosure Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Breaker	Loadcenter ①② Catalog Number	Combination ③	Surface
CH 10 kAIC	100	14	28	Indoor	X1	#6–1/0	**CHP14B100X1** ④⑤	**CHPX1AF** ⑤	**CHPX1AS** ⑤
		14	28	Outdoor	X0R	#6–1/0	**CHP14B100R** ⑥	—	—
		18	36	Indoor	X2	#6–1/0	**CHP18B100X2** ④⑤	**CHPX2AF** ⑤	**CHPX2AS** ⑤
		18	36	Outdoor	X2R	#6–1/0	**CHP18B100R** ⑥	—	—
		22	44	Indoor	X2	#6–1/0	**CHP22B100X2** ④⑤	**CHPX2AF** ⑤	**CHPX2AS** ⑤
		22	44	Outdoor	X2R	#6–1/0	**CHP22B100R** ⑥	—	—
		30	60	Indoor	X5	#6–1/0	**CHP30B100X5** ④⑤	**CHPX5AF** ⑤	**CHPX5AS** ⑤
		30	60	Outdoor	X5R	#6–1/0	**CHP30B100R** ⑥	—	—
	125	22	44	Indoor	X2	#6–1/0	**CHP22B125X2** ④⑤	**CHPX2AF** ⑤	**CHPX2AS** ⑤
		22	44	Outdoor	X2R	#6–1/0	**CHP22B125R** ⑥	—	—
		30	60	Indoor	X5	#6–1/0	**CHP30B125X5** ④⑤	**CHPX5AF** ⑤	**CHPX5AS** ⑤
		30	60	Outdoor	X5R	#6–1/0	**CHP30B125R** ⑥	—	—
CSR 25 kAIC	150	24	48	Indoor	X5	#2–300 kcmil	**CHP24B150X5** ④⑤	**CHPX5BF** ⑤	**CHPX5BS** ⑤
		24	48	Outdoor	X5R	#2–300 kcmil	**CHP24B150R** ⑥	—	—
		32	64	Indoor	X6	#2–300 kcmil	**CHP32B150X6** ④⑤	**CHPX6BF** ⑤	**CHPX6BS** ⑤
		32	64	Outdoor	X6R	#2–300 kcmil	**CHP32B150R** ⑥	—	—
	200	8	16	Outdoor	X5R	#2–300 kcmil	**CHP08B200RF** ⑦	—	—
		24	48	Indoor	X5	#2–300 kcmil	**CHP24B200X5** ④⑤	**CHPX5BF** ⑤	**CHPX5BS** ⑤
		24	48	Outdoor	X5R	#2–300 kcmil	**CHP24B200R** ⑥	—	—
		32	64	Indoor	X6	#2–300 kcmil	**CHP32B200X6** ④⑤	**CHPX6BF** ⑤	**CHPX6BS** ⑤
		32	64	Outdoor	X6R	#2–300 kcmil	**CHP32B200R** ⑥	—	—
		42	84	Indoor	X7	#2–300 kcmil	**CHP42B200X7** ④⑤	**CHPX7BF** ⑤	**CHPX7BS** ⑤
		42	84	Outdoor	X7R	#2–300 kcmil	**CHP42B200R** ⑥	—	—
		60	120	Indoor	X9	#2–300 kcmil	**CHP60B200X9** ④⑤	**CHPX9BF** ⑤	—
	225	32	64	Outdoor	X6R	#2–300 kcmil	**CHP32B225R** ⑥	—	—
		42	84	Indoor	X7	#2–300 kcmil	**CHP42B225X7** ④⑤	**CHPX7BF** ⑤	**CHPX7BS** ⑤
		42	84	Outdoor	X7R	#2–300 kcmil	**CHP42B225R** ⑥	—	—
		60	120	Indoor	X9	#2–300 kcmil	**CHP60B225X9** ④⑤	**CHPX9BF** ⑤	—
DK 10 kAIC	300	42	84	Indoor	PM	(2) 3/0–250 kcmil	**CHP42PM300**	**CH7PMF** ⑧	**CH7PMS**
	400	42	84	Indoor	PM	(2) 3/0–250 kcmil	**CHP42PM400**	**CH7PMF** ⑧	**CH7PMS**

Notes

① All main circuit breaker loadcenters are listed for use as service entrance equipment.
② Ground bar kits priced separately. See **Page V1-T1-26**.
③ Combination style covers may be used in surface or flush applications.
④ Can be top or bottom fed by rotating the enclosure and trim 180 degrees.
⑤ Plug-on Neutral style loadcenter.
⑥ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to See **Page V1-T1-25**.
⑦ Panel includes #2–300 kcmil feed-through lugs.
⑧ This cover is for flush applications only (not combination).

Box sizes **Pages V1-T1-31** and **V1-T1-32**.

1

Single-Phase—Main Lug Loadcenters—Small Space

Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Single Neutral

Surface Outdoor

Flush Outdoor

Surface (No Door)

Flush (No Door)

Outdoor

Main Ampere Rating	Maximum Number 3/4-Inch (19.1 mm) Space	Poles	Enclosure Type	Type of Trim (Included)	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Loadcenter Catalog Number ①
40	2	4 1	Indoor	Surface (no door)	5	#14–6	**CH2L40SP** ②③
	2	4 1	Outdoor	—	5R	#14–6	**CH2L40RP** ②③④
	2	4 1	Indoor	Flush (no door)	5	#14–6	**CH2L40FP** ②③
70	2	4 1	Indoor	Surface (no door)	5	#14–2	**CH2L70SP** ②③
	2	4 1	Outdoor	—	5R	#14–2	**CH2L70RP** ②③④
	2	4 1	Indoor	Flush (no door)	5	#14–2	**CH2L70FP** ②③
125	2	4 1	Indoor	Surface (no door)	6	#14–1/0	**CH2L125SP** ②③
	2	4 1	Outdoor	—	6R	#14–1/0	**CH2L125RP** ②③④
	2	2	Outdoor	—	—	#14–1/0	**CH2L125RSE2P** ④⑤⑥
	2	4 1	Indoor	Flush (no door)	6	#14–1/0	**CH2L125FP** ②③
	4	8 1	Indoor	Surface (no door)	7	#14–1/0	**CH4L125SP** ②⑦
	4	8 1	Outdoor	—	7R	#14–1/0	**CH4L125RP** ②④⑦
	4	8 1	Indoor	Flush (no door)	7	#14–1/0	**CH4L125FP** ②⑦
	6	12 1	Outdoor	—	6R	#14–1/0	**CH6L125R** ②⑥⑦
	8	16 1	Indoor	Surface (no door)	7	#6–1/0	**CH8L125SP** ②⑦
	8	16 1	Outdoor	—	7R	#6–1/0	**CH8L125RP** ②⑥⑦
	8	16 1	Indoor	Flush (no door)	7	#6–1/0	**CH8L125FP** ②⑧

Notes

① Requires the use of Type CHT breakers.

② Ground bar kits priced separately, see **Page V1-T1-26**.
– For 2/4 and 6/12 circuit loadcenters, use Type GBK5 or GBK520 ground bar
– For 4/8 and 8/16 circuit loadcenters, use Type GBK10 ground bar
– Ground bars mount to the left side wall of the enclosure for the 4/8, 6/12 and 8/16 circuit loadcenters

③ Suitable for use as service equipment when not more than two service disconnecting mains are provided or when not used as a lighting and appliance panelboard.

④ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.

⑤ For use as service entrance applications only.

⑥ Neutral/ground holes (6) #14–6 and (3) #14–2/0 AWG Cu/Al.

⑦ Suitable for use as service equipment when not more than two service disconnecting mains are provided or when not more than six service disconnecting mains are provided and when not used as a lighting and appliance panelboard.

⑧ Suitable for use as service equipment when a main breaker is used or when not more than six service disconnecting mains are provided and when not used as a lighting and appliance panelboard.

Box sizes **Pages V1-T1-31** and **V1-T1-33**.

Single-Phase—Main Lug Loadcenters

CHP12L125X0

Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Split Neutral—Factory-Installed Ground Bar

Main Ampere Rating	Maximum Number 3/4-Inch (19.1 mm) Spaces	Maximum Number 3/4-Inch (19.1 mm) Poles	Enclosure Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Breaker	Loadcenter Catalog Number	Loadcenter Cover Catalog Number Flush	Loadcenter Cover Catalog Number Surface
125	12	24	Indoor	X0	#6–2/0	**CHP12L125X0** ①	**CHPX0AF**	**CHPX0AS**
	12	24	Outdoor	X0R	#6–2/0	**CHP12L125R** ①②	—	—
	16	32	Indoor	X1	#6–2/0	**CHP16L125X1** ①	**CHPX1AF**	**CHPX1AS**
	16	32	Outdoor	X0R	#6–2/0	**CHP16L125R** ①②	—	—
	20	40	Indoor	X2	#6–2/0	**CHP20L125X2** ①	**CHPX2AF**	**CHPX2AS**
	20	40	Outdoor	X2R	#6–2/0	**CHP20L125R** ①②	—	—
	24	48	Indoor	X2	#6–2/0	**CHP24L125X2** ①	**CHPX2AF**	**CHPX2AS**
	24	48	Outdoor	X2R	#6–2/0	**CHP24L125R** ①②	—	—
150	24	48	Indoor	X5	#4–300 kcmil	**CHP24L150X5** ①③	**CHPX5LF**	**CHPX5LS**
	24	48	Outdoor	X5R	#4–300 kcmil	**CHP24L150R** ②④	—	—
	32	64	Indoor	X5	#4–300 kcmil	**CHP32L150X5** ①③	**CHPX5LF**	**CHPX5LS**
	32	64	Outdoor	X5R	#4–300 kcmil	**CHP32L150R** ②④	—	—
200	12	24	Outdoor	X5R	#4–300 kcmil	**CHP12L200R** ②④	—	—
	16	32	Indoor	X5	#4–300 kcmil	**CHP16L200X5** ①③	**CHPX5LF**	**CHPX5LS**
	16	32	Outdoor	X5R	#4–300 kcmil	**CHP16L200R** ②④	—	—
225	24	48	Indoor	X5	#4–300 kcmil	**CHP24L225X5** ①③	**CHPX5LF**	**CHPX5LS**
	24	48	Outdoor	X5R	#4–300 kcmil	**CHP24L225R** ②④	—	—
	32	64	Indoor	X5	#4–300 kcmil	**CHP32L225X5** ①③	**CHPX5LF**	**CHPX5LS**
	32	64	Outdoor	X5R	#4–300 kcmil	**CHP32L225R** ②④	—	—
	42	84	Indoor	X6	#4–300 kcmil	**CHP42L225X6** ①③	**CHPX6LF**	**CHPX6LS**
	42	84	Outdoor	X6R	#4–300 kcmil	**CHP42L225R** ②④	—	—
400	42	84	Indoor	P	(2) 1/0–300 kcmil (1) 750 kcmil	**CHP42PL400** ⑤	**CH7PF** ⑥	**CH7PS**

Notes

① Suitable for use as service equipment when not more than six disconnecting means are provided.

② Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.

③ Suitable for use as service equipment when a circuit breaker is used as a main breaker.
The main breaker is backfed and requires hold-down bracket kit catalog number **CHPHD**.

④ Suitable for use as service equipment when a circuit breaker is used as a main breaker.
The main breaker is backfed and requires hold-down bracket kit catalog number **CH125RB**.

⑤ Suitable for use as service equipment when a circuit breaker is used as a main breaker.
The main breaker is backfed and must be a Type **CHB**.
The breaker cannot be a Type CH.

⑥ This cover is for flush application only (not combination).

Box sizes **Pages V1-T1-31** and **V1-T1-33**.

Convertible Loadcenters MCB or MLO—Base Units and Main Devices—10/25/35 kAIC

Complete assembly consists of: loadcenter, cover, and either main breaker kit or main lug kit.

Indoor—Single-Phase—Three-Wire—120/240 V—Insulated/Bondable Split Neutral—Top or Bottom Feed

Maximum Main Ampere Rating	Maximum Number of 3/4 Inch Spaces	Maximum Number of 3/4 Inch Poles	Enclosure Type	Box Size	Loadcenter Box and Panel Catalog Number ①②	Loadcenter Cover Catalog Number ①		Main Breaker Kit					
						Combination	Surface	kAIC Rating	Catalog Number	kAIC Rating	Wire Size	Catalog Number	
125	22	44	Indoor	X2	**CHP22N125X2**	**CHPX2AF**	**CHPX2AS**	#10–1/0	**CHSF2125**	10	#10–1/0	**CH2100N** ③	—
												CH2125N ③	—
225	32	64	Indoor	X6	**CHP32N225X6**	**CHPX6NF**	**CHPX6NS**	#4–300 kcmil	**CHPL225**	25/35 ⑤	#2–300 kcmil	**CSR2125N**	**CSH2125N** ④
												CSR2150N	**CSH2150N** ④
												CSR2175N	**CSH2175N** ④
												CSR2200N	**CSH2200N** ④
												CSR2225N	**CSH2225N** ④
225	42	84	Indoor	X7	**CHP42N225X7**	**CHPX7NF**	**CHPX7NS**	#4–300 kcmil	**CHPL225**	25/35 ⑤	#2–300 kcmil	**CSR2125N**	**CSH2125N** ④
												CSR2150N	**CSH2150N** ④
												CSR2175N	**CSH2175N** ④
												CSR2200N	**CSH2200N** ④
												CSR2225N	**CSH2225N** ④

Indoor—Single-Phase—Three-Wire—120/240 V—Insulated/Bondable Split Neutral—Top or Bottom Feed—Main Lugs Installed

Maximum Main Ampere Rating	Maximum Number of 3/4 Inch Spaces	Maximum Number of 3/4 Inch Poles	Enclosure Type	Box Size	Loadcenter Box and Panel Catalog Number ②	Loadcenter Cover Catalog Number		Main Breaker Kit			
						Combination	Surface	kAIC Rating	Wire Size	Catalog Number	
225	32	64	Indoor	X6	**CHP32E225X6**	**CHPX6NF**	**CHPX6NS**	25/35 ⑤	#2–300 kcmil	**CSR2125N**	**CSH2125N** ④
										CSR2150N	**CSH2150N** ④
										CSR2175N	**CSH2175N** ④
										CSR2200N	**CSH2200N** ④
										CSR2225N	**CSH2225N** ④
225	42	84	Indoor	X7	**CHP42E225X7**	**CHPX7NF**	**CHPX7NS**	25/35 ⑤	#2–300 kcmil	**CSR2125N**	**CSH2125N** ④
										CSR2150N	**CSH2150N** ④
										CSR2175N	**CSH2175N** ④
										CSR2200N	**CSH2200N** ④
										CSR2225N	**CSH2225N** ④
225	60	120	Indoor	X9	**CHP60E225X9**	**CHPX9NF**	—	25/35 ⑤	#2–300 kcmil	**CSR2125N**	**CSH2125N** ④
										CSR2150N	**CSH2150N** ④
										CSR2175N	**CSH2175N** ④
										CSR2200N	**CSH2200N** ④
										CSR2225N	**CSH2225N** ④

Notes

① Panel does not include main. Order main breaker or main lug kit separately.

② Interrupting rating depends on main circuit breaker selected.

③ Hold-down kit included.

④ 35 kAIC series combination rating is obtained when Types CH, CHT and CHP branch breakers are used with CSH main.

⑤ If 35 kAIC is required, use CSH breaker.

Outdoor—Single-Phase—Three-Wire—120/240 V—Insulated/Bondable Split Neutral (Unless Otherwise Noted)

Maximum Main Ampere Rating	Maximum Number of Single Poles	Box Size	Loadcenter Box and Panel Catalog Number ①②	Main Lug Kit Wire Size	Main Breaker Kit Catalog Number	Main Breaker Kit kAIC Rating	Main Breaker Kit Wire Size	Catalog Number	
125	22	X2R	**CHP22N125R** ③	#10–1/0	**CHL125N**	10	#10–1/0	**CH2100N** ⑦	—
								CH2125N ⑦	—
200	8	X5R	**CHP08N200RF** ③④⑤	#4–300 kcmil	**CHL225N**	25/35 ⑥	#2–300 kcmil	**CSR2125N**	**CSH2125N**
								CSR2150N	**CSH2150N**
								CSR2175N	**CSH2175N**
								CSR2200N	**CSH2200N**
200	32	X6R	**CHP32N200R** ③	#4–300 kcmil	**CHL225N**	25/35 ⑥	#2–300 kcmil	**CSR2125N**	**CSH2125N** ⑧
								CSR2150N	**CSH2150N** ⑧
								CSR2175N	**CSH2175N** ⑧
								CSR2200N	**CSH2200N** ⑧
225	42	X7R	**CHP42N225R** ③	#4–300 kcmil	**CHL225N**	25/35 ⑥	#2–300 kcmil	**CSR2125N**	**CSH2125N** ⑧
								CSR2150N	**CSH2150N** ⑧
								CSR2175N	**CSH2175N** ⑧
								CSR2200N	**CSH2200N** ⑧
								CSR2225N	**CSH2225N** ⑧

Notes

① Panel does not include main. Order main breaker or main lug kit separately.
② Interrupting rating depends on main circuit breaker selected.
③ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.
④ Includes feed-through lugs for both phase and neutral conductors.
⑤ Insulated/bondable single neutral.
⑥ If 35 kAIC is required, use CSH breaker.
⑦ Hold-down kit included.
⑧ 35 kAIC series combination rating is obtained when Types CH, CHT and CHP branch breakers are used with CSH main.

Three-Phase—Main Circuit Breaker Loadcenters—10 kAIC

CH42B3200L

Three-Phase Four-Wire—208Y/120 Vac or 240 Vac Insulated/Bondable Split Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 3/4-Inch (19.1 mm) Poles	Enclosure Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Breaker	Loadcenter ①② Catalog Number	Loadcenter Cover Catalog Number Combination	Loadcenter Cover Catalog Number Surface
CC 10 kAIC	150	30	Indoor	L	#1–4/0	**CH30B3150L**	**CH8LF**	**CH8LS**
		30	Outdoor	L	#1–4/0	**CH30B3150R** ③	—	—
	200	30	Indoor	L	#2/0–300 kcmil	**CH30B3200L**	**CH8LF**	**CH8LS**
		30	Outdoor	L	#2/0–300 kcmil	**CH30B3200R** ③	—	—
		42	Indoor	L	#2/0–300 kcmil	**CH42B3200L**	**CH8LF**	**CH8LS**
		42	Outdoor	L	#2/0–300 kcmil	**CH42B3200R** ③	—	—
	225	30	Indoor	L	#2/0–300 kcmil	**CH30B3225L**	**CH8LF**	**CH8LS**
		30	Outdoor	L	#2/0–300 kcmil	**CH30B3225R** ③	—	—
		42	Indoor	L	#2/0–300 kcmil	**CH42B3225L**	**CH8LF**	**CH8LS**
		42	Outdoor	L	#2/0–300 kcmil	**CH42B3225R** ③	—	—
	400	42	Indoor	PM	(2) 3/0–350 kcmil	**CH424PM400**	**CH7PMF** ④	**CH7PMS**

① All main circuit breaker loadcenters are listed for use as service entrance equipment.

② Ground bar kits priced separately. For ground bar kits, see **Page V1-T1-26**.

③ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.

④ This cover for flush application only (not combination).

Three-Phase—Main Lug Loadcenters

Three-Phase Four-Wire—208Y/120 Vac or 240 Vac Insulated/Bondable Split Neutral (Unless Otherwise Noted)

Main Ampere Rating	Maximum Number 3/4-Inch (19.1 mm) Spaces	Poles	Enclosure Type	Type of Trim Included	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Loadcenter Catalog Number	Loadcenter Cover Catalog Number Combination	Single
125	6	12 ①	Indoor	Surface, no door	7	#14–1/0	**CH6L3125SP** ②③④	—	—
	6	12 ①	Outdoor	—	7R	#14–1/0	**CH6L3125RP** ②③④⑤	—	—
	6	12 ①	Indoor	Flush, no door	7	#14–1/0	**CH6L3125FP** ②③④	—	—
	12	12	Indoor	—	B	#6–2/0	**CH12L3125B** ⑥⑦	**CH8BF**	**CH8BS**
	12	12	Outdoor	—	B	#6–2/0	**CH12L3125R** ⑤⑥⑦	—	—
	18	18	Indoor	—	C	#6–2/0	**CH18L3125C** ⑥⑦	**CH8CF**	**CH8CS**
	18	18	Outdoor	—	C	#6–2/0	**CH18L3125R** ⑥⑦⑧	—	—
	24	24	Indoor	—	C	#6–2/0	**CH24L3125C** ⑥⑦	**CH8CF**	**CH8CS**
	24	24	Outdoor	—	C	#6–2/0	**CH24L3125R** ⑥⑦⑧	—	—
150	30	30	Indoor	—	D	#4–300 kcmil	**CH30L3150D** ⑥⑦	**CH8DF**	**CH8DS**
	30	30	Outdoor	—	D	#4–300 kcmil	**CH30L3150R** ⑤⑥⑨	—	—
225	24	24	Indoor	—	D	#4–300 kcmil	**CH24L3225D** ⑥⑦	**CH8DF**	**CH8DS**
	24	24	Outdoor	—	D	#4–300 kcmil	**CH24L3225R** ⑤⑥⑨	—	—
	30	30	Indoor	—	D	#4–300 kcmil	**CH30L3225D** ⑥⑦	**CH8DF**	**CH8DS**
	30	30	Outdoor	—	D	#4–300 kcmil	**CH30L3225R** ⑤⑥⑨	—	—
	42	42	Indoor	—	G	#4–300 kcmil	**CH42L3225G** ⑥⑨	**CH8GF**	**CH8GS**
	42	42	Outdoor	—	G	#4–300 kcmil	**CH42L3225R** ⑤⑧⑨	—	—
400	42	42	Indoor	—	P	(2) 1/0–300 kcmil (1) 750 kcmil	**CH424PL400** ⑩⑪	**CH7PF** ⑫	**CH7PS**

Notes

① Requires the use of Type CHT breakers.

② Suitable for use as service equipment when not more than two service disconnecting means are provided or when not more than six service disconnecting means are provided and when not used as a lighting and appliance panelboard.

③ Ground bar kits priced separately, see **Page V1-T1-26**.
– Use GBK10 ground bar
– Ground bars mount to the left side wall of the enclosure.

④ Insulated/bondable single neutral.

⑤ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.

⑥ Ground bar Type GBK14 is installed.

⑦ Suitable for use as service equipment when a circuit breaker is used as a main breaker. The main breaker is backfed and requires hold-down bracket kit catalog number Type **CH125RB**. Suitable for use as service equipment when not more than six service disconnecting means are provided and when not used as a lighting and appliance panelboard.

⑧ Ground bar Type GBK21 is installed.

⑨ Suitable for use as service equipment when a circuit breaker is used as a main breaker. The main breaker is backfed and requires hold-down kit catalog number Type **CH125RB**.

⑩ For ground bar kits, see **Page V1-T1-26**.

⑪ Suitable for use as service equipment when a circuit breaker is used as a main breaker. The main breaker is backfed and must be a Type CHB. **The breaker cannot be a Type CH**.

⑫ This cover for flush application only (not combination).

Box sizes **Pages V1-T1-31** and **V1-T1-33**.

Spa Panels

Contents

CH Specialty Products

Spa Panels

Product Description

Eaton's CH Spa Panels are premium factory-assembled "combination" units that provide ground fault protection, as well as a convenient way to turn spa pumps on and off. The NEC requires that all pool and spa pumps be protected by a ground fault interrupter and a disconnect switch mounted within 10 feet of the tub or the spa.

Features

- Two extra circuits for additional loads
- Limited lifetime warranty
- UL Listed
- Tough powder-coated galvanized steel enclosure
- Factory-installed two-pole ground fault circuit interrupter (GFCI)

Product Selection

CH Spa Panel

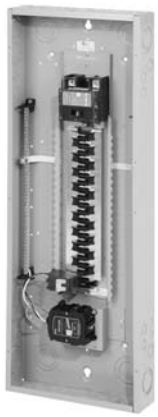
Single-Phase Three-Wire—120/240 Vac Insulated/Bondable Neutral—Factory-Installed Ground Bar

Main Ampere Rating	Circuit Breaker Included	Enclosure Type	Type of Trim Included	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Catalog Number
30	CH230GFT	Outdoor	—	5R	#14–1/0	**CH30SPAST** ①
40	CH240GFT	Outdoor	—	5R	#14–1/0	**CH40SPAST** ②
50	CH250GFT	Outdoor	—	5R	#14–1/0	**CH50SPAST** ③
60	CH260GFT	Outdoor	—	5R	#14–1/0	**CH60SPAST** ④

Notes

① Includes a CH230GFT breaker, factory installed, and two extra circuits for convenience.
② Includes a CH240GFT breaker, factory installed, and two extra circuits for convenience.
③ Includes a CH250GFT breaker, factory installed, and two extra circuits for convenience.
④ Includes a CH260GFT breaker, factory installed, and two extra circuits for convenience.

Surge Panel



Contents

Surge Panel

Product Description

Eaton's Type CH Surge Loadcenter includes a factory-mounted and wired surge suppressor device. There is a knockout in the cover that allows the user to view the status indication lights on the surge suppressor. The CH Surge Loadcenter reduces the surge current, helping protect sensitive home electronic equipment.

Save labor by installing a factory-mounted surge protective device.

Factory-Installed Surge Protection

- Includes a CHSPT2ULTRA and a two-pole 50 A circuit breaker
- Increases the effectiveness of surge protection due to reduced lead length
- A modified deadfront allows for easy viewing of indicating lights

Surge Ready

- Provides a mounting provision for CHSPT2ULTRA
- A modified deadfront allows for easy viewing of indicating lights

Product Selection

Surge Installed Loadcenters

Ampere Rating	Type	Number of Circuits	Loadcenter Catalog Number	Loadcenter Cover Catalog Number Combination	Surface
225	Convertible	42	**CHSUR42N225L** ①	**CHSUR8LF**	**CHSUR8LS**
225	Convertible ②	42	**CHSUR42L225L2** ①	**CHSUR8LF**	**CHSUR8LS**
200	Main breaker	42	**CHSUR42B200L2** ①	**CHSUR8LF**	**CHSUR8LS**
225	Convertible	32	**CHSUR32N225K** ①	**CHSUR8KF**	**CHSUR8KS**
225	Convertible ②	32	**CHSUR32L225K** ①	**CHSUR8KF**	**CHSUR8KS**
200	Main breaker	32	**CHSUR32B200K** ①	**CHSUR8KF**	**CHSUR8KS**
150	Main breaker	32	**CHSUR32B150K** ①	**CHSUR8KF**	**CHSUR8KS**
100	Main breaker	32	**CHSUR32B100K** ①	**CHSUR8KF**	**CHSUR8KS**
125	Convertible ②	24	**CHSUR24L125E** ①	**CHSUR8EF**	**CHSUR8ES**
100	Main breaker	24	**CHSUR24B100E** ①	**CHSUR8EF**	**CHSUR8ES**
200	Convertible	40/40	**BRSUR4040N200**	Cover included	
200	Main lug	40/40	**BRSUR4040L200**	Cover included	
200	Main breaker	40/40	**BRSUR4040B200**	Cover included	
200	Convertible	30/40	**BRSUR3040N200**	Cover included	
200	Main lug	30/40	**BRSUR3040L200**	Cover included	
200	Main breaker	30/40	**BRSUR3040B200**	Cover included	

Notes

① Order cover separately.
② With main lugs installed.

Surge Ready Loadcenters (provision only, CHSPT2ULTRA and breaker not included)

Ampere Rating	Type	Number of Circuits	Loadcenter Catalog Number ①	Loadcenter Cover Catalog Number	
				Combination	Surface
225	Convertible	42	**CHEC42N225L**	**CHSUR8LF**	**CHSUR8LS**
225	Convertible ②	42	**CHEC42L225L**	**CHSUR8LF**	**CHSUR8LS**
200	Main breaker	42	**CHEC42B200L**	**CHSUR8LF**	**CHSUR8LS**
225	Convertible ②	32	**CHEC32L225K**	**CHSUR8KF**	**CHSUR8KS**
225	Convertible	32	**CHEC32N225K**	**CHSUR8KF**	**CHSUR8KS**
225	Convertible	32	**CHEC32N225R** ③	—	—
200	Main breaker	32	**CHEC32B200K**	**CHSUR8KF**	**CHSUR8KS**
150	Main breaker	32	**CHEC32B150K**	**CHSUR8KF**	**CHSUR8KS**
100	Main breaker	32	**CHEC32B100K**	**CHSUR8KF**	**CHSUR8KS**
125	Convertible ②	24	**CHEC24L125E**	**CHSUR8EF**	**CHSUR8ES**
100	Main breaker	24	**CHEC24B100E**	**CHSUR8EF**	**CHSUR8ES**

Technical Data and Specifications

Ratings

- Loadcenter
  - 25 kAIC main breaker, main lug only, and convertible main breaker/main lug
  - Factory installed or provision for field-installed surge suppressor
  - Top or bottom feed
- Surge protective device (CHSPT2ULTRA)
  - Nominal discharge current: 20 kA (I_n)
  - Surge current capacity per phase: 108 kA
  - Warranty: $75,000 connected equipment ④
  - For further product ratings, see Volume 1, Tab 2.1 Surge Protection

Notes

① Order cover separately.
② With main lugs installed.
③ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page V1-T1-25**.
④ For warranty details, visit www.eaton.com/surgetrap.

Type CH Retrofit Interior

Type CH Retrofit Adjustable Interior

Type CH Retrofit Interior Collar and Assembly with Trim

Contents

Type CH Retrofit Interior Kits

Product Description

Eaton's unique Retrofit Interior allows the customer to cost-effectively and safely upgrade an electrical service without removing the existing enclosure from the wall.

Application Description

The Retrofit Interior is designed and tested specifically for renovating an outdated electrical panel in an apartment, a condominium or a single family home. These outdated panels are being recognized by local inspectors and other authorities as a possible hazard.

Opportunities to Retrofit

- Single- or three-phase
- Main lug only or main breaker
- Up to 42 circuits
- Up to 225 A interiors, 400 A available upon request
- Available with CH breakers (3/4-inch) with copper bus or BR breakers (1-inch) with aluminum bus
- The minimum lifetime warranty for residential breakers shall be as follows:
  - Limited lifetime warranty on all CH branch breakers and loadcenters
  - Refer to Eaton for complete warranty details

Features and Benefits

Upgrading Existing Electrical Infrastructure Is Simple

- Replaces vintage brands that have hard to find, expensive replacement breakers
- Safely upgrade to arc fault and ground fault breakers to meet current electrical codes
- Maximizes number of circuits available with compact design
- Eco-friendly in asbestos-filled environments
- Exclusive design

Save Time and Money Throughout the Installation

- Uses existing panel box and wires
- Eliminates expensive and time-consuming drywall/paint repair
- Saves 2–3 hours of installation time compared to a complete panel changeout
- Eliminates precise measurements with field-adjustable kit

Standards and Certifications

Meets 2017 NEC wire bending requirements.

1

CH Specialty Product Selection

To select the retrofit kit:

1. From the existing box size determine which retrofit groups are suitable (may be more than one).
2. Use type of interior, number of phases, and type of main to find the selection chart.
3. Select part number from chart (if main breaker, replace XXX with specific amp rating).

How to Order:

1. Measure the existing panel enclosure to determine appropriate kits for your project.
2. Match the existing dimensions with the table below to obtain the correct catalog number.
3. Order your retrofit kit from a local Eaton authorized distributor.

Need assistance or can't find retrofit to fit existing enclosure?

Phone:
800-330-6479

E-mail:
FlexCenterLincoln@Eaton.com

Locate an Eaton Certified Contractor at EatonCertified.com

Retrofit Interior Kit Specifications

		Existing Enclosure Parameters—Inches (mm)									
Catalog Number ①	**Cover** ②	**Minimum Depth**	**Maximum Depth**	**Minimum Width**	**Minimum Height**	**Phase**	**Main**	**Bus**	**Amperes** ③	**Spaces / Circuits**	**UL 67 Listed**
CH Retrofit Interiors and Covers											
RWCH6L125N	**CRWCH6ML******	3.13 (79.5)	4.13 (104.9)	7.00 (177.8)	10.00 (254.0)	Single	MLO	CH	125	6	No
RSCH10B125N	**CRWCH12ML******	3.50 (88.9)	4.50 (114.3)	8.50 (215.9)	16.50 (419.1)	Single	MCB	CH	125	10	No
RSCH12L125N	**CRWCH12ML******	3.50 (88.9)	4.50 (114.3)	8.50 (215.9)	16.50 (419.1)	Single	MLO	CH	125	12	No
RACH22B125_	**CRACH24ML******	3.75 (95.3)	4.25 (108.0)	13.00 (330.2)	21.00 (533.4)	Single	MCB	CH	125	22	No
RACH24L125_	**CRACH24ML******	3.75 (95.3)	4.25 (108.0)	13.00 (330.2)	21.00 (533.4)	Single	MLO	CH	125	24	No
RBCH24B200_	**CRBCH24CS******	3.75 (95.3)	6.00 (152.4)	13.00 (330.2)	29.00 (736.6)	Single	MCB	CH	200	24	No
RBCH32L200_	**CRBCH32ML******	3.75 (95.3)	6.00 (152.4)	13.00 (330.2)	29.00 (736.6)	Single	MLO	CH	200	32	No
RCCH32B200_	**CRBCH32CS******	3.75 (95.3)	6.00 (152.4)	13.00 (330.2)	34.00 (863.6)	Single	MCB	CH	200	32	No

Complete Assembly

Note: For complete assembly, interior and cover need to be ordered separately.

Adjustable Interior

- Factory installed ground and neutral bars positioned to accept existing wires
- Field adjustable depth matches existing panel box
- Adjustable height enables optional placement of the interior
- Field bondable for service entrance options

Adjustable Interior

Standard Trim and Collar

- Standard trim matches new interior
- New circuit directory for updated labeling
- Oversized collar eliminates expensive wall/paint repair

Collar and Assembly with Trim

Notes

① Catalog numbers shown with "_" at the end need one of the following suffixes to denote depth:
J = 3.75–4.25
K = 4.25–5.00
L = 5.00–6.00
Example: RBCH24B200J would signify an interior set with a depth range of 3.75 to 4.25 inches.

② ****Denotes characters in the catalog number that relate to overall cover size. Example: CRWCH6ML2620 would signify a cover 26.00 inches H x 20.00 inches W, or CRBCH24CS3324 would be 33.00 inches H x 24.00 inches W.

③ Amperes for MB panels is maximum; catalog number will reflect actual amperage of breaker included.

For UL applications, maximum cover sizes may apply.

Non-Metallic Loadcenter

Single-Phase—Main Lug Loadcenters, Non-Metallic

2460SNM

Single-Phase Three-Wire—120/240 Vac—Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm) Spaces	Circuits	Enclosure Type	Trim Type	Box Size	Wire Size Range Cu/Al 60 °C or 75 °C for Main Lugs	Loadcenter Catalog Number
40 ①	2	4	Indoor	Flush (no door)	2	②	**TT120FLGNM** ②③
	2	4	Indoor	Surface (no door)	2		**TT120SLGNM** ②③
60	2	4	Indoor	Flush (no door)	2	#14–2	**2460FNM**
	2	4	Indoor	Surface (no door)	2		**2460SNM**
	2	4	Indoor	Flush (no door)	2		**2460FGNM** ③
	2	4	Indoor	Surface (no door)	2		**2460SGNM** ③
	2	4	Outdoor	—	—		**2460RNM-A2**

Notes

① Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard.

② This device has no main lugs. A Type BR or BD breaker is required to be backfed to supply power to branch breakers. This device is single-phase 120 Vac only. With the use of three Type BR breakers, there are two branch circuits available. With the use of three Type BD breakers, there are five branch circuits available.

③ Includes GB4NM ground bar.

Options and Accessories—Mechanical Interlocks

Contents

CH Loadcenter Options and Accessories

Product Selection

Plug-on Neutral Installation and Parts

Description	Ordering Quantity ①	Catalog Number
Bonding kit for bonding the neutral bus to the loadcenter	1	**BONDKITP**
Cover replacement latch—indoor loadcenters (brown)	1	**LATCHPS**
Cover replacement latch—indoor loadcenters (white)	1	**LATCHPW**
Door replacement latch—outdoor loadcenters	1	**CH3RLATCH**
Replacement main lugs for 200 A/225 A MLO or convertible panels (#1-300 kcmil)	1	**CHPL225**
Incoming 2/0 neutral lug	1	**NLP20**
Incoming 300 kcmil neutral lug	1	**NLP300**
Screws used to mount loadcenter cover	25	**LCCS**
Screws used to mount loadcenter cover (white)	25	**LCCSW**
Spray paint—12 oz can (white)	1	**SPCWH**
Series rating caution label	25	**SRL**
Circuit directory (2) 42 Ckt cards, (2) adhesive plastic sleeves	12	**CKTDIR**
Circuit directory—adhesive backed	10	**TCD**
Keyed door lock for loadcenter trim door	1	**TDL**
Terminal insulator kit—Type CSR, CSH, BW, BWH mains	10	**TICSR300**
Terminal insulator kit—Type CH, BR, BRH, BRHH, BRX mains	10	**TIMCB3/0**
5 circuit terminal block for renovation	1	**RN5TB**
Retaining bracket for backfed main breaker—CH	1	**CHPHD**
Mechanical interlock kit for CH loadcenters with backfed main breaker	1	**CHPMIKCH**
Mechanical interlock kit for CH loadcenters with Type CSR main breaker	1	**CHPMIKCSR**
3/4-inch Filler Plates for Branch Breakers Slot in CH Loadcenter	25	**CHFP**
Multipack—3/4-inch filler plates for branch breakers slot in CH loadcenter (5 pieces)	1	**CHFPP**
Blank dead front directory marking strip	10	**CHMS**
CSR main breaker filler plate (sandalwood)	1	**CSRFPS**
Spray paint—12 oz can (sandalwood)	1	**SPCSW**

Note

① Must be purchased in multiples of ordering quantities indicated.

CHSF2125

CHSF3125

CHFP

TDL

BINA

Legacy Field Installation and Parts

Description	Ordering Quantity ①	Catalog Number
Sub-feed lug blocks—two-pole, 125 A, 3/4-inch (19.1 mm) spaces needed	1	**CHSF2125** ②
Sub-feed lug blocks—three-pole, 125 A, 3/4-inch (19.1 mm) spaces needed	1	**CHSF3125**
Neutral/ground lug—add-on neutral or ground lug	1	**NL20**
	1	**NL30**
	1	**NL300**
Filler plates—3/4-inch (19.1 mm) space circuit breaker space	25	**CHFP**
CSR main circuit breaker filler plate (with hardware)	1	**CSRFP**
Door lock—12–42 circuits, and 100–225 A	1	**TDL**
Sandalwood spray paint	1	**SPCSW**
ANSI-61 light gray touchup paint for outdoor loadcenters	1	**SPC61**
Isolated neutral assembly (computer circuits)	1	**BINA**
Circuit directory—adhesive backed	10	**TCD**
Cover screws	25	**LCCS**
Cover replacement latch 14-5/16 inch (363.55 mm) wide loadcenters only	1	**CHRLS**
Circuit marking strip (next to breakers)	10	**CHMS**
Circuit identification label (preprinted breaker labels next to breakers)	25	**CHBL**
Series rated caution label	25	**SRL**
Branch circuit numbering strip	20	**CHNS**
Bonding strap with screw	1	**BSSUSE**
CH plug-on neutral ground bonding strap	1	**BSCHPON**

Main Breaker Kits

Maximum Main Ampere Rating	Catalog Number 25 kAIC	35 kAIC
100	**CSR2100N**	**CSH2100N**
150	**CSR2150N**	**CSH2150N**
200	**CSR2200N**	**CSH2200N**
225	**CSR2225N**	**CSH2225N**

Main Breaker Kits

Breaker Ampere Rating	Lug Size	Catalog Number
100	#2–300 kcmil	**CSR2100**
150	#2–300 kcmil	**CSR2150N**
200	#2–300 kcmil	**CSR2200N**
225	#2–300 kcmil	**CSR2225N**

Main Lug Kits

Maximum Main Ampere Rating	Catalog Number
125	**CHL125N**
225	**CHL225N**

Notes

① Must be purchased in multiples of ordering quantities indicated.

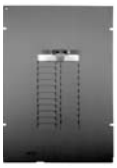
② CHSF2125 is also used as 125 A main lug kit for convertible loadcenters.

Mechanical Interlock Covers

Covers mechanically interlock two breakers. Type A covers interlock two CH breakers mounted across from one another. Type B covers interlock a main Type CSR breaker with a Type CH.

Mechanical Interlocks

CH8BRM Type A



CH8EFM Type B

Type	Fits Loadcenter Catalog Numbers	Mechanical Interlock Trim/Deadfront Catalog Numbers Flush	Surface	Field Installable Interlock Kit
A	**CH12L125B**	**CH8BFM**	**CH8BSM**	
	CH16L125B			
	CH12L3125B			
	CH14B100B			
	CH20L125C	**CH8CFM**	**CH8CSM**	
	CH24L125C			
	CH18L3125C			
	CH24L3125C			
	CH22B100C			
	CH22N100C			
	CH24L150D	**CH8DFM**	**CH8DSM**	
	CH32L150D			
	CH24L3225D			
	CH30L3150D			
	CH42L225G	**CH8GFM**	**CH8GSM**	
	CH42L3225G			
	Inner cover of Box B raintight	—	**CH8BRM**	
	Inner cover of Box C raintight	—	**CH8CRM**	
Indoor				
B	**CH24B150E**	**CH8EFM**	**CH8ESM**	**CHMIKCSR**
	CH24B200E			
	CH24BPN200E			
	CH32B150J	**CH8JFM**	**CH8JSM**	**CHMIKCSR**
	CH32B200J			
	CH3242B200J			
	CH32BPN200J			
	CH32N200J			
	CH32B225J			
	CH42B200K	**CH8KFM**	**CH8KSM**	**CHMIKCSR**
	CH42N200K			
	CH42BPN200K			
	CH42B225K			
	CH60BPN200N	**CH8NFM**	—	**CHMIKCSR**

CH8EFM Type B

Mechanical Interlocks, continued

Type	Fits Loadcenter Catalog Numbers	Mechanical Interlock Trim/Deadfront Catalog Numbers Flush	Surface
Outdoor			
B	**CH8B150RF**	**CH3RDF7M**	—
	CH8B200RF		
	CH8N200RF		
	CH12B200RF		
	CH24B150R		
	CH24B200R		
	CH32B150R	**CH3RDF9M**	—
	CH32B200R		
	CH32N200R		
	CH32B225R		
	CH42B200R	**CH3RDF10M**	—
	CH42N200R		
	CH42B225R		
Next Generation Power Center			
B	**CHPC32B150L**	**CHPC8B32LFM**	—
	CHPC32B200L		
	CHPC32N200L		
	CHPC42B150L	**CHPC8B42LFM**	—
	CHPC42B200L		
	CHPC42N200L		
	CHPC32B125TR	**CH3RDF15M**	—
	CHPC32B150TR		
	CHPC32B200TR		
	CHPC32N200TR		
	CHPC42B150TR	**CH3RDF16M**	—
	CHPC42B200TR		
	CHPC42N200TR		
	CHPC32B150TR	**CH3RDF17M**	—
	CHPC32B200TR		
	CHPC42B200BR	**CH3RDF18M**	—
Vintage ①			
	CH20JJM200	**CH7JJFREPLM**	—
	CH24JJM150		
	CH30JJM150		
	CH30JJM200		
	CH30JJM150H		
	CH3040JJMM200		
	CH304JJM150		
	CH304JJM200		
	CH304JJM200H		
	CH30KKM225	**CH7KKFREPLM**	—
	CH40KKM200H		
	CH40KKM225		
	CH40KKM200H		
	CH40KKM225H		
	CH304KKM200		
	CH304KKM200H		
	CH304LLM225	**CH7LLFREPLM**	—
	CH424LLM225H		

Note

① If vintage part number does not match exactly, the cover may not fit. Simple variations such as an "N" at the end of the part number contain minor design variations that will prevent our cover from working with that particular loadcenter.

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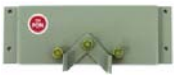
PON Mechanical Interlock Kits

CHPMIKCSR

Loadcenter Catalog Numbers for CHPMIKCSR ①

Indoor	Raintight
CHP32B150	CHP08B200RF
CHP32B200	CHP08N200RF
CHP42B200	CHP24B150R
CHPX5BF, BS	CHP24B200R
CHPX6BF, BS	CHP32B150R
CHPX6NF, NS	CHP32B200R
CHPX7BF, BS	CHP32B225R
CHPX7NF, NS	CHP32N200R
CHPX9BF	CHP42B200R
CHPX9NF	CHP42B225R
	CHP42N225R

CHPMIKCH



Loadcenter Catalog Numbers for CHPMIKCH ①

Indoor	Raintight
CHP14B100	CHP14B100R
CHP22B100	CHP18B100R
CHPX0AF, AS	CHP22B100R
CHPX1AF, AS	CHP22B125R
CHPX2AF, AS	CHP22N125R
CHPX5AF, AS	CHP30B100R
	CHP30B125R

Note

① Hold down kit for generator breaker not included. Order CHPHD hold down kit separately.