




Product Selection

10 kAIC, 120 Vac, 120/240 Vac and 240 Vac

Plug-On Circuit Breakers



Type CH Breakers, 3/4-Inch (19.1 mm) per Pole 120, 120/240 or 240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Catalog Number		
		Single-Pole 120/240 Vac Requires One 3/4-Inch (19.1 mm) Space 10 per Shelf Carton	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton	Three-Pole 240 Vac Common Trip Requires Three 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton
10	(1) #14-8 ①	 CH110	 CH210	 CH310
15	(2) #14-10 ①② (1) #14-6 ③	CH115 ⑦⑧	CH215 ⑧	CH315 ⑧
20		CH120 ⑦⑧	CH220 ⑧	CH320 ⑧
25		CH125 ⑧	CH225 ⑧	CH325 ⑧
30		CH130 ⑧	CH230 ⑧	CH330 ⑧
15		CHF115 ⑦⑧⑩	CHF215 ⑧⑩	CHF315 ⑧
20		CHF120 ⑦⑧⑩	CHF220 ⑧⑩	CHF320 ⑧
25		CHF125 ⑧⑩	CHF225 ⑧⑩	CHF325 ⑧
30		CHF130 ⑧⑩	CHF230 ⑧⑩	CHF330 ⑧
35	#14-2 ① #14-6 ③	CH135 ⑧	CH235 ⑧	CH335 ⑧
40	#10-1/0 ④	CH140 ⑧	CH240 ⑧	CH340 ⑧
45	#14-2 ⑤ #3/0 ⑤	CH145 ⑧	CH245 ⑧	CH345 ⑧
50		CH150 ⑧	CH250 ⑧	CH350 ⑧
70		CH170	CH270	CH370
80		—	CH280	CH3080
90		—	CH290	CH3090
100		—	CH2100	CH3100
110		—	CH2110	—
125		—	CH2125	—
150		—	CH2150 ⑨	—

Notes

- ① For single- and two-pole breakers.
- ② Solid and stranded wire can be used together.
- ③ For three-pole breakers.
- ④ Single-pole 60-70A, two-pole 80-125A, three-pole 40-100A.
- ⑤ Single-pole 40-50A, two-pole 40-70A.
- ⑥ Two-pole 150A.
- ⑦ Switching duty rated.
- ⑧ HACR rated.
- ⑨ CH2150 requires four-pole spaces and is not suitable for use on three-phase panels, not CSA certified.
- ⑩ With trip indication.

For factory-installed options, refer to **Page 38**.

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Loadcenters and Circuit Breakers

Type CH Loadcenters and Circuit Breakers

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Plug-On Branch Feeder Type Arc Fault Circuit Breakers, Type CH 10 kAIC, 120 Vac and 120/240 Vac

Type CH Single-Pole AFCI Circuit Breaker



Type CH 3/4-Inch (19.1 mm) Wide FIRE-GUARD® AFCI Circuit Breakers

Poles	Ampere Rating	Configuration	Catalog Number
Single-pole 10 kAIC	15	AFCI	CH115AF ①
	20	AFCI	CH120AF ①
Two-Pole 10 kAIC ②③	15	AFCI common trip	CH215AF
	20	AFCI common trip	CH220AF

Plug-On Combination Type Arc Fault Circuit Breakers, Type CH 10 kAIC, 120 Vac and 120/240 Vac

Type CH Single-Pole PON Combo AFCI Circuit Breaker



Type CH 3/4-Inch (19.1 mm) Wide FIRE-GUARD Combination Type AFCI Circuit Breakers

Poles	Ampere Rating	Configuration	Catalog Number
Single-pole 10 kAIC	15	AFCI	CH115CAF ①
		AFCI plug-on neutral, no pigtail ④	CH115CAFNP
	20	AFCI	CH120CAF ①
		AFCI plug-on neutral, no pigtail ④	CH120CAFNP
Two-pole 10 kAIC	15	AFCI	CH215CAF
		AFCI plug-on neutral, no pigtail ④	CH215CAFNP
	20	AFCI	CH220CAF
		AFCI plug-on neutral, no pigtail ④	CH220CAFNP

Plug-On Ground Fault Circuit Breakers, Type CH 10 kAIC, 120 Vac and 120/240 Vac

Type CH Single-Pole



Type CH Ground Fault Circuit Breakers (5 Milliampere) 3/4-Inch (19.1 mm) per Pole 120 Vac or 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Catalog Number—1 per Shelf Carton	
		Single-Pole 120 Vac Requires One 3/4-Inch (19.1 mm) Space	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces
15	#14–6 ⑤	CH115GF	CH215GF
20	#14–6 ⑤	CH120GF	CH220GF
25	#14–6 ⑤	CH125GF	CH225GF
30	#14–6 ⑤	CH130GF	CH230GF
35	#14–6 ⑤	—	CH235GF
40	#14–6 ⑤	—	CH240GF
45	#14–6 ⑤	—	CH245GF
50	#14–6 ⑤	—	CH250GF
60	#14–6 ⑤	—	CH260GF

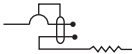
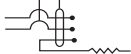
Notes

- ① Clamshell packaging available with CS modification code on the end of catalog number.
- ② Common trip refers to two-pole 240V load application sourced by 120/240 Vac (see diagram on **Page 39**).
- ③ Independent trip refers to two-pole multi-wire, home run or shared neutral circuits (see diagrams on **Page 39**).
- ④ Requires plug-on neutral loadcenter.
- ⑤ 60A breaker listed for 75°C Cu wire only.

Type CH Two-Pole



Type CH Ground Fault Equipment Protectors (30 Milliampere) 3/4-Inch (19.1 mm) per Pole 120 Vac or 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Catalog Number—1 per Shelf Carton	
		Single-Pole 120 Vac Requires One 3/4-Inch (19.1 mm) Space	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces
15	#14–6 ^⑤	 CH115EPD	 CH215EPD
20	#14–6 ^⑤	CH120EPD	CH220EPD
25	#14–6 ^⑤	CH125EPD	—
30	#14–6 ^⑤	CH130EPD	CH230EPD
40	#14–6 ^⑤	—	CH240EPD
50	#14–6 ^⑤	—	CH250EPD
60	#14–6 ^⑤	—	CH260EPD

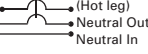
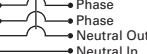
Type CH Switching Neutral Breakers—10 kAIC, 120 Vac and 120/240 Vac

Used to open the neutral along power line(s) for applications of gas pumps.

CH220SW




3/4-Inch (19.1 mm) per Pole 120/240 or 240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Catalog Number—1 per Shelf Carton	
		Two-Pole 120 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces	Three-Pole 120/240 Vac Common Trip Requires Three 3/4-Inch (19.1 mm) Spaces
15	#14–8	 CH215SW ^②	 CH315SW ^③
20	#14–8	CH220SW ^②	CH320SW ^③
30	#14–8	CH230SW ^②	CH330SW ^③
40	#14–8	CH240SW ^②	CH340SW ^③
50	#14–8	CH250SW ^②	CH350SW ^③

Type CH-HID Circuit Breakers—10 kAIC, 120 Vac, 120/240 and 240 Vac

Suitable for use in circuits for fluorescent and high intensity discharge lighting. Also suitable for HACR applications.

3/4-Inch (19.1 mm) per Pole 120 Vac, 120/240 and 240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°	Single-Pole 120/240 Vac Requires One 3/4-Inch (19.1 mm) Space 10 per Shelf Carton Catalog Number	Two-Pole 240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number	Three-Pole 240 Vac Common Trip Requires Three 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number
		15	#14–8	 CH115HID
20	#14–8	CH120HID	CH220HID	CH320HID
30	#14–8	CH130HID	CH230HID	CH330HID

Notes

- ① 60A breaker listed for 75°C Cu wire only.
- ② For circuit breakers with shunt trip, add ST suffix. Shunt trip requires one additional pole space.
- ③ Switching duty rated.
- ④ CH215HID is rated for 120/240V.

1.1

Loadcenters and Circuit Breakers

Type CH Loadcenters and Circuit Breakers

1

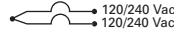
Non-CTL Plug-On Replacement Circuit Breakers, Type CHNT 10 kAIC, 120/240 Vac

For use as replacement in loadcenters built prior to 1968 and within the current style 2–8 circuit loadcenters as indicated in the loadcenter section.

3/4-Inch (19.1 mm) per Pole 120 Vac, Non-CTL 10 kAIC

Single-Pole Requires
One 3/4-Inch (19.1 mm) Space
10 per Shelf Carton
Catalog Number

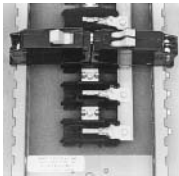
Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	
15–15	#14–8	CHNT1515 ①②
15–20	#14–8	CHNT1520 ①②
20–20	#14–8	CHNT2020 ①②



CTL Plug-On Circuit Breakers, Type CHT Twin 10 kAIC, 120/240 Vac

All circuit breakers have rejection feature. Use only with loadcenters marked for use with CHT breakers.

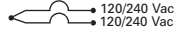
Type CH and CHT
Circuit Breakers
Mounted in Twin
Breaker Panel



Twin (CTL) 3/4-Inch (19.1 mm) per Pole 120 Vac Class CTL 10 kAIC

Single-Pole Requires
One 3/4-Inch (19.1 mm) Space
10 per Shelf Carton
Catalog Number

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	
15–15	#14–8	CHT1515 ①②
15–20	#14–8	CHT1520 ①②
20–20	#14–8	CHT2020 ①②






Notes

- ① Switching duty rated.
- ② HACR rated.

Type CHP Commercial Breakers—10 kAIC, 120 Vac, 120/240 Vac and 240 Vac

Note: CHP breakers feature on-off and trip positions for commercial applications.


3/4-Inch (19.1 mm) per Pole 120, 120/240 or 240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Single-Pole 120/240 Vac Requires One 3/4-Inch (19.1 mm) Space 10 per Shelf Carton Catalog Number	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number	Three-Pole 240 Vac Common Trip Requires Three 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number
				
10	(1) #14–8 ①	CHP110	CHP210	CHP310
15	(2) #14–10 ①② (1) #14–6 ③	CHP115 ⑥⑦	CHP215 ⑦	CHP315 ⑦
20		CHP120 ⑥⑦	CHP220 ⑦	CHP320 ⑦
25		CHP125 ⑦	CHP225 ⑦	CHP325 ⑦
30		CHP130 ⑦	CHP230 ⑦	CHP330 ⑦
35	#14–2 ① #14–6 ③	CHP135 ⑦	CHP235 ⑦	CHP335 ⑦
40	#10–1/0 ④	CHP140 ⑦	CHP240 ⑦	CHP340 ⑦
45	#14–2 ⑤	CHP145 ⑦	CHP245 ⑦	CHP345 ⑦
50		CHP150 ⑦	CHP250 ⑦	CHP350 ⑦
60		CHP160 ⑦	CHP260 ⑦	CHP360 ⑦
70		CHP170	CHP270	CHP370
80		—	CHP280	—
90		—	CHP290	—
100		—	CHP2100	CHP3100
110		—	CHP2110	—
125		—	CHP2125	—

Type CHP-GFCI Circuit Breakers—10 kAIC, 120 Vac and 120/240 Vac

Note: CHP breakers offer on-off and trip positions for commercial applications.

5 Milliampere—3/4-Inch (19.1 mm) per Pole 120V and 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Single-Pole 120 Vac Requires One 3/4-Inch (19.1 mm) Space 1 per Individual Carton Catalog Number
		
15	#14–6	CHP115GF
20	#14–6	CHP120GF
30	#14–6	CHP130GF

Notes

- ① For single- and two-pole breakers.
- ② Solid and stranded wire can be used together.
- ③ For three-pole breakers.
- ④ Single-pole 60–70A, two-pole 80–125A, three-pole 40–100A.
- ⑤ Single-pole 40–50A, two-pole 40–70A.
- ⑥ Switching duty rated.
- ⑦ HACR rated.

CHP breakers offer on-off and trip positions for commercial applications.

1.1

Loadcenters and Circuit Breakers

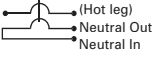
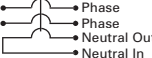
Type CH Loadcenters and Circuit Breakers

1

Type CHP Neutral Switching Breakers—10 kAIC, 120 Vac and 120/240 Vac



Used to open the neutral along power line(s) for applications of gas pumps.

3/4-Inch (19.1 mm) per Pole 120 or 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Two-Pole 120 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 1 per Shelf Carton Catalog Number	Three-Pole 120/240 Vac Common Trip Requires Three 3/4-Inch (19.1 mm) Spaces 1 per Shelf Carton Catalog Number
			
15	#14–8	CHP215SW ①	CHP315SW ①
20	#14–8	CHP220SW ①	CHP320SW ①



Type CH-M50 High Ambient Breaker

3/4-Inch (19.1 mm) per Pole 120 or 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Single-Pole 120/240 Vac Requires One 3/4-Inch (19.1 mm) Space 10 per Shelf Carton Catalog Number	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number
			
15	(1) #14–8 (2) #14–10	CH115M50	CH215M50
20		CH120M50	CH220M50
25		CH125M50	CH225M50
30		CH130M50	CH230M50
35		CH135M50	CH235M50
40		CH140M50	CH240M50
45		CH145M50	CH245M50
50		CH150M50	CH250M50
60		—	CH260M50
70		—	CH270M50

Type CH-HM and CHP-HM High Magnetic Breakers

3/4-Inch (19.1 mm) per Pole 120 or 120/240 Vac, 10 kAIC

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Single-Pole 120/240 Vac Requires One 3/4-Inch (19.1 mm) Space 10 per Shelf Carton Catalog Number	Two-Pole 120/240 Vac Common Trip Requires Two 3/4-Inch (19.1 mm) Spaces 5 per Shelf Carton Catalog Number
			
15	(1) #14–8 (2) #14–10	CH115HM	CH215HM
20		CH120HM	CH220HM
15	(1) #14–8 (2) #14–10	CHP115HM	CHP215HM
20		CHP120HM	CHP220HM

Note

① For circuit breakers with shunt trip, add ST suffix. Shunt trip requires one additional pole space, obtain pricing from [Page 38](#).

Options and Accessories

CHHT



CHPL



CHPLGF



MCBPL



CHLO



CH125RB



CH9MB270



CHML



Field Installation Kits and Parts

Description	Ordering Quantity ^①	Catalog Number
Handle Ties ^②		
Handle tie bar for physically joining the handles of two adjacent single-pole Type CH circuit breakers (molded plastic handle cover)	25	CHHT
Handle Lockoffs ^{③④}		
Padlockable device for locking the handle of single-, two- or three-pole Type CH circuit breakers (escutcheon mounted) ^⑤	1	CHPL
Padlockable device for locking the handle of a single-, two- or three-pole Type CHGFI circuit breaker (escutcheon mounted) ^⑤	1	CHPLGF
Padlockable device for locking the handle of main circuit breaker Types CC and CCH into the ON or OFF position.(screw mounted) ^⑥	1	CCPL
Padlockable device for locking the handle of main breaker Types BW and CSR into the ON or OFF position (escutcheon mounted) ^⑤	1	MCBPL
Handle Lockdogs ^{④⑦}		
Device used to secure handle in ON or OFF position for single-pole Type CH circuit breakers (handle mounted) ^⑧	10	CHLO
Hold-Down Kits ^⑧		
Hold-down retainer kit for single-, two-, three-pole Type CH circuit breakers. For 6–24 circuit 125A single- and three-phase, 12–42 circuit single-phase 225A and 24–42 circuit three-phase 225A MLO Type CH loadcenters	1	CH125RB
Hold-down retainer kit for single-, two-, three-pole Type CH circuit breakers for 2–4 circuit MLO CH loadcenters.	1	CH125RB24
Mounting Bases		
Mounting base for two-pole Type CH circuit breaker—70A maximum	1	CH9MB270
Main Breaker Lug Kits		
Types CC and CCH main breaker lug kit (2) 300 kcmil	1	CCL300
Type CSR main breaker lug kit (2) 300 kcmil	1	MCBL300
Mechanical Interlock		
Type CH for two-, three- and four-pole breakers	10	CHML
	10	CHPLOFF
	10	CHPLOFFA
	10	CHL1P
	10	CHL2P

Notes

- ① Must be purchased in multiples of ordering quantities indicated.
- ② Handle ties: typically used to join two similar independent single-pole breakers to form a two-pole noncommon trip breaker.
- ③ Handle lockoffs: devices that use a padlock to lock the circuit breaker's handle in the ON or OFF position.
- ④ Requires one additional pole space.
- ⑤ Escutcheon mounted: device mounted semipermanently to the face of the circuit breaker and secured by the loadcenter deadfront.
- ⑥ Screw mounted: device permanently mounted to the face of the circuit breaker by the use of a non-removable screw.
- ⑦ Handle lockdogs: devices that are used to secure a circuit breaker's handle in the ON or OFF position. Handle lockdogs are not padlockable devices.
- ⑧ Handle mounted: device mounted above or below handle using spring pressure.
- ⑧ Hold-down kits: devices used to secure the circuit breaker to the loadcenter for back-feed main application. See NEC Article 384-16(g).

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Loadcenters and Circuit Breakers

Type CH Loadcenters and Circuit Breakers

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Shunt Trip Options

Description Type	Volts	Catalog Number Suffix Adder ^①
CSR	12 DC	SR12
CSR	24 DC	SR24
CSR	120 AC	SR01
CH	120 AC	ST ^②
CC	12 DC	SR12
CC	24 DC	SR24
CC	120 AC	SR01
CC	208 AC	SR08
CC	240 AC	SR02

Handle Position Changeability Chart

Handle Lockoff and Lockdog Types	To Change Handle Position from ON to OFF or OFF to ON You Must...		
	Remove Padlock	Remove Device	Remove Loadcenter Deadfront
Lockoff escutcheon mounted	Remove	—	—
Lockoff screw mounted	Remove	—	—
Lockdog handle mounted	N/A	Remove	—

Notes

- ^① Add suffix indicated to end of breaker catalog number.
- ^② Requires one additional pole space.