

# Next generation Compact Circuit Protector (cat. no. CCP2) For use with Class CC and Supplemental Fuses



CCP2 switch

## Contents

## Page

|                                                     |           |
|-----------------------------------------------------|-----------|
| Description and specifications . . . . .            | 2-3       |
| Catalog numbers . . . . .                           | 4         |
| Conductor information and available fuses . . . . . | 5         |
| Dimensions . . . . .                                | 5         |
| <b>Accessories. . . . .</b>                         | <b>6</b>  |
| Multi-wire lug kit . . . . .                        | 6         |
| Selector and pistol handles . . . . .               | 7         |
| Shafts. . . . .                                     | 7         |
| NFPA 79 compliant handle . . . . .                  | 7         |
| Auxiliary contacts . . . . .                        | 8         |
| <b>How to order tables . . . . .</b>                | <b>9</b>  |
| Switches only . . . . .                             | 9         |
| Clockwise rotary operated switches . . . . .        | 10-11     |
| Counterclockwise rotary operates switches . . . . . | 12        |
| <b>Motor fuse sizing table. . . . .</b>             | <b>13</b> |



CCP2 right front rotary switch



CCP2 left front rotary switch



CCP2 right side rotary switch



CCP2 left side rotary switch

## Catalog symbols

| Symbol             | Fuse type       | Description               |
|--------------------|-----------------|---------------------------|
| CCP2-(poles)-30CC  | Class CC        | Switch only               |
| CCP2-(poles)-30M   | UL supplemental |                           |
| CCP2-1-DCC         | Class CC Vdc    | 1-pole switch only        |
| CCP2-1-DCM         | UL supplemental |                           |
| CCP2R-(pole)-30CC  | Class CC        | Right front rotary switch |
| CCP2R-(pole)-30M   | UL supplemental |                           |
| CCP2RL-(pole)-30CC | Class CC        | Left front rotary switch  |
| CCP2RL-(pole)-30M  | UL supplemental |                           |
| CCP2S-(pole)-30CC  | Class CC        | Right side rotary switch  |
| CCP2S-(pole)-30M   | UL supplemental |                           |
| CCP2SL-(pole)-30CC | Class CC        | Left side rotary switch   |
| CCP2SL-(pole)-30M  | UL supplemental |                           |

## Description

The revolutionary next generation Bussmann™ series Compact Circuit Protector (cat. no. CCP2) fused disconnect switch is 3/5 the footprint of a traditional fusible switch and provides up to a high 200 kA Short-Circuit Current Rating (SCCR) to help improve panel and assembly SCCR.

The 35 mm DIN-Rail mount CCP is available in a variety of configurations to meet many application needs including rotary operation.

Application flexibility is extended with an optional multi-wire lug kit, with finger-safe shrouds, that provides three additional wire ports on each pole for power distribution applications.

Other accessories include NO/NC auxiliary contacts that easily integrate into many monitoring systems.

Front and side rotary operated versions are easily applied for through-the-door or through the left or right side operation to enhance safety.

## Ratings

- Volts
  - 600 Vac (UL® Class CC)
  - 240 Vac (UL Supplemental)
- Amps
  - 30 A (UL)
- SCCR
  - 10 kA (UL Supplemental)
  - 20 kA (DC Class CC/UL)
  - 200kA (UL Class CC SCCR)

## Poles

- 1-, 2- and 3-poles catalog number dependent

## Agency information

- UL Class CC fuse versions
  - UL 98 Listed, Guide WHTY, File E302370
  - cULus to Canadian Standard 22.2 No. 4-04, UL Guide WHTY7, File 302370

# Compact Circuit Protector disconnect switches For use with Class CC and Supplemental Fuses

- UL Supplemental
  - UL 508 Listed, Guide NRNT, File E320230
  - cULus Certified 22.2 No. 14-05
- DC voltage UL Class CC version (CCP2-1-DCC)
  - UL 508 Listed, cULus 22.2, No. 1405
- RoHS compliant

## Conductors/terminals

- 75°C Cu/Al, see conductor tables for size, type and torque information
- Box lug, single/dual conductor
- Fork terminal suitable for line, load or accessory connection
- Multi-wire lug kit — see accessories for details

## Storage and operating temperature

- 20°C to 75°C (-4°F to 167°F)\*

\* For fuse performance under or above 25°C, consult fuse performance derating charts in the Bussmann Division publication no. 3002, titled Selecting Protective Devices (SPD)

## Lockout/tagout provisions

- Switch only — 4 mm lock or Brady pin-out device part number 90850
- Switch with rotary operating mechanism — 1/4" lock

## Minimum enclosure size

- 10" x 8" x 6" (254 x 203 x 152 mm)

## Mounting

- 35 mm DIN-Rail

## Local open fuse indication minimum voltage\*\*

- 90 Vac for AC switches
- 12 Vdc for DC switches

\*\* Open fuse indication requires an open fuse to be in the CCP2 and the switch in the ON position.

## Accessories

- Multi-wire lug kit with terminal shrouds
- Selector and pistol handles for use with rotary operated switches
- 8 mm shafts for use with selector and pistol handles
- Auxiliary contacts

## Carton quantity and shipping weight

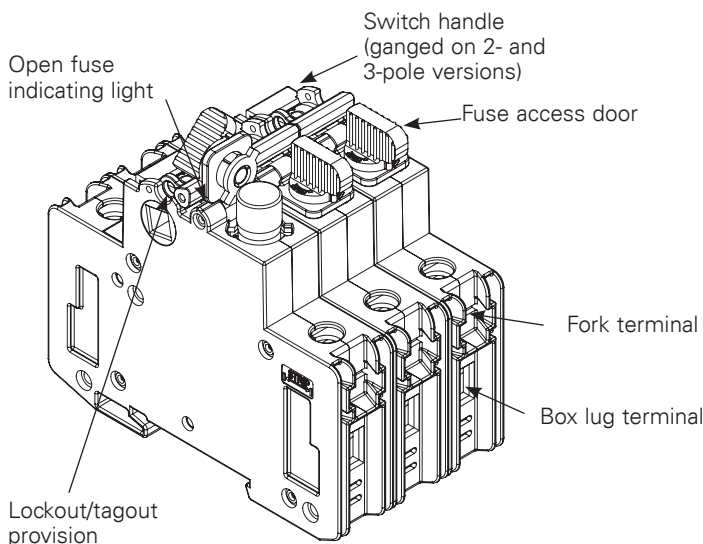
| Item                               | Poles | Weight lbs (kg) |
|------------------------------------|-------|-----------------|
| Switch only                        | 12    | 2.84 (1.29)     |
| Switch with side rotary mechanism  | 2     | 0.9 (0.404)     |
|                                    | 3     | 1.12 (0.509)    |
| Switch with front rotary mechanism | 2     | 0.95 (0.431)    |
|                                    | 3     | 1.18 (0.537)    |

## Features

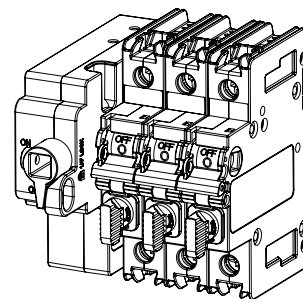
- Extremely compact (18 mm wide per pole ) design
- High SCCR up to 200 kA (UL Class CC)
- Disconnect rated for load isolation
- Full voltage rated up to 600 Vac or 80 Vdc
- UL 98 Listed Class CC version is horsepower rated and suitable for branch circuit protection and disconnect
- Open fuse indication
  - Standard local open fuse indicating light for each pole
- IP20 finger-safe with 10 AWG (6 mm<sup>2</sup>) or larger wire (box lug terminals only)
- Built-in switch interlock prohibits removing the fuse under load
- Padlockable handle for lockout/tagout
  - 4 mm lock for switch only
  - 1/4" lock for rotary operated switches
- Rotary operated versions provide for through-the-door and through-the-side operation flexibility and enhanced safety with:
  - Right front switch operation
  - Left front switch operation
  - Right side switch operation
  - Left side switch operation
- Optional selector, pistol and NFPA 79 compliant handles available for use with rotary operated versions
- Multi-wire lug kit with terminal shrouds allows for power distribution to multiple loads. Each lug has three ports rated for single and dual wires (see lug kit in accessories for conductor and torque details).



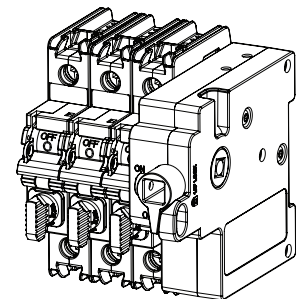
CCP2 right side rotary switch



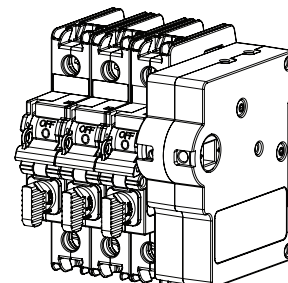
## Rotary operating switch versions



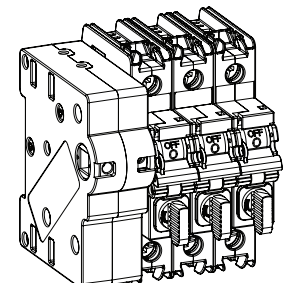
**Left front rotary switch**  
Clockwise operating handles



**Right front rotary switch**  
Clockwise operating handles



**Right side rotary switch**  
Clockwise operating handles



**Left side rotary switch**  
Counterclockwise operating handles

# Catalog numbers

| Catalog no.             | Poles | Description                              | Amps    | Volts                   | SCCR                  | Max horsepower rating (Vac) |     |     |     | Wire type/<br>size*                                   |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
|-------------------------|-------|------------------------------------------|---------|-------------------------|-----------------------|-----------------------------|-----|-----|-----|-------------------------------------------------------|---------|-------------------------|-----------------------|---|---|---|---|-------------------------------------------------------|---------|-------------------------|-----------------------|---|---|---|---|-------------------------------------------------------|---------|-------------------------|-----------------------|---|---|---|---|-------------------------------------------------------|---------|-------------------------|-----------------------|---|---|---|---|-------------------------------------------------------|
|                         |       |                                          |         |                         |                       | 120                         | 240 | 480 | 600 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| Class CC                |       |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-1-30CC             | 1     | Switch only                              | 30 A    | 347 Vac                 | 200 kA                | 1/2                         | —   | —   | —   | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-2-30CC             | 2     |                                          |         | 600 Vac                 |                       | —                           | 2   | —   | —   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-3-30CC             | 3     |                                          |         | 600 Vac                 |                       | 3/4                         | 3   | 5   | 7.5 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2R-2-30CC            | 2     | Switch with right front rotary operation |         | 600 Vac                 |                       | —                           | 2   | —   | —   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2R-3-30CC            | 3     |                                          |         | 600 Vac                 |                       | 3/4                         | 3   | 5   | 7.5 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2RL-2-30CC           | 2     | Switch with left front rotary operation  |         | 600 Vac                 |                       | —                           | 2   | —   | —   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2RL-3-30CC           | 3     |                                          |         | 600 Vac                 |                       | 3/4                         | 3   | 5   | 7.5 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2S-2-30CC            | 2     | Switch with right side rotary operation  |         | 600 Vac                 |                       | —                           | 2   | —   | —   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2S-3-30CC            | 3     |                                          |         | 600 Vac                 |                       | 3/4                         | 3   | 5   | 7.5 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2SL-2-30CC           | 2     | Switch with left side rotary operation   |         | 600 Vac                 |                       | —                           | 2   | —   | —   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2SL-3-30CC           | 3     |                                          |         | 600 Vac                 |                       | 3/4                         | 3   | 5   | 7.5 |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| UL Supplemental         |       |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-1-30M              | 1     | Switch only                              | UL 30 A | UL 240 Vac <sup>†</sup> | UL 10 kA <sup>†</sup> | —                           | —   | —   | —   | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-2-30M              | 2     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-3-30M              | 3     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2R-2-30M             | 2     | Switch with right front rotary operation |         |                         |                       |                             |     |     |     |                                                       | UL 30 A | UL 240 Vac <sup>†</sup> | UL 10 kA <sup>†</sup> | — | — | — | — | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2R-3-30M             | 3     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2RL-2-30M            | 2     | Switch with left front rotary operation  |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       | UL 30 A | UL 240 Vac <sup>†</sup> | UL 10 kA <sup>†</sup> | — | — | — | — | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2RL-3-30M            | 3     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2S-2-30M             | 2     | Switch with right side rotary operation  |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       | UL 30 A | UL 240 Vac <sup>†</sup> | UL 10 kA <sup>†</sup> | — | — | — | — | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |         |                         |                       |   |   |   |   |                                                       |
| CCP2S-3-30M             | 3     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2SL-2-30M            | 2     | Switch with left side rotary operation   |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       | UL 30 A | UL 240 Vac <sup>†</sup> | UL 10 kA <sup>†</sup> | — | — | — | — | 75°C Cu/Al<br>18-4 AWG<br>Fork terminal <sup>††</sup> |
| CCP2SL-3-30M            | 3     |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| Single-pole DC switches |       |                                          |         |                         |                       |                             |     |     |     |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-1-DCC              | 1     | UL Class CC                              | 30 A    | 80 Vdc <sup>†</sup>     | 20 kA <sup>†</sup>    | —                           | —   | —   | —   | 75°C Cu/Al                                            |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |
| CCP2-1-DCM              | 1     | UL supplemental                          | 30 A    | 80 Vdc <sup>†</sup>     | 10 kA <sup>†</sup>    | —                           | —   | —   | —   | 18-4 AWG<br>Fork terminal <sup>††</sup>               |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |         |                         |                       |   |   |   |   |                                                       |

\* See box lug terminal conductor data table for details.

† SCCR may be lower, refer to installed fuse data sheet for interrupting rating at applied voltage.

†† Fork terminal with a 4.3 mm gap for a #8-32 stud, 30 A max, insulated flange, wire size 12-10 AWG.

### Box lug terminal conductor data

| Type | AWG range | Class                           | Quantity    | Torque N·m (lb-in) |
|------|-----------|---------------------------------|-------------|--------------------|
| Cu   | 4-18      | Stranded, Class B to K          | Single      | 2.26 (20)          |
|      | 6-8       | Stranded, Class B/C             | Dual        | 3.39 (30)          |
|      | 6-8       | Stranded, Class K               | Dual        | 2.26 (20)          |
|      | 10-18     | Stranded, Class B to K          |             |                    |
|      | 10-18     | Solid                           | Single/dual |                    |
|      | 4-18      | Stranded, UL ferrule, Class B/C | Single      | 3.39 (30)          |
|      | 6-18      | Stranded, UL ferrule, Class K   | Twin†       | 2.82 (25)          |
|      | 4-8       |                                 | Single      | 2.26 (20)          |
| Al   | 6         | Stranded                        | Dual        | 2.82 (25)          |
|      | 8         |                                 |             | 2.26 (20)          |

† Two stranded conductors placed in one UL Listed twin ferrule.

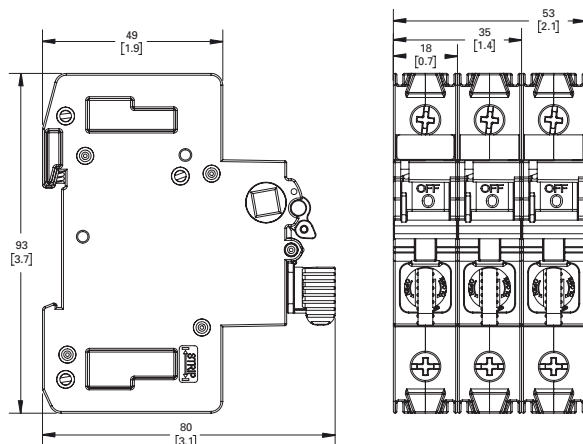
### Available Bussmann series fuses

| Fuse class | Type/description  | Volts            | Data sheet no. |
|------------|-------------------|------------------|----------------|
| CC         | LP-CC time-delay  | 600 Vac/300 Vdc* | 1023           |
|            | FNQ-R time-delay  | 600 Vac/300 Vdc  | 1014           |
|            | KTK-R fast-acting | 600 Vac          | 1015           |
|            | FNM time-delay    | 250 Vac          | 2028           |
| M          | FNQ time-delay    | 500 Vac          | 1012           |
|            | KTK fast-acting   | 600 Vac          | 1011           |
|            | BAF fast-acting   | 250 Vac          | 2011           |
|            | KLM fast-acting   | 600 Vac/dc       | 2020           |

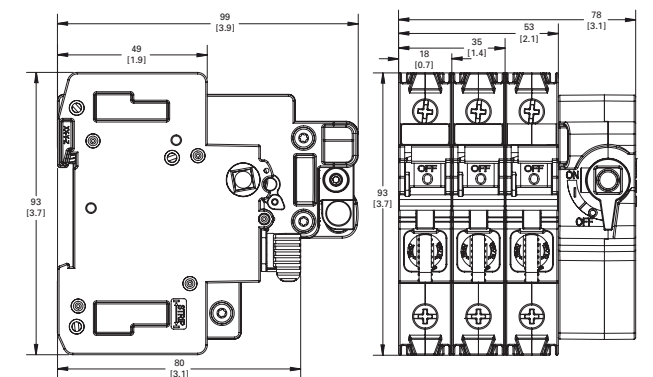
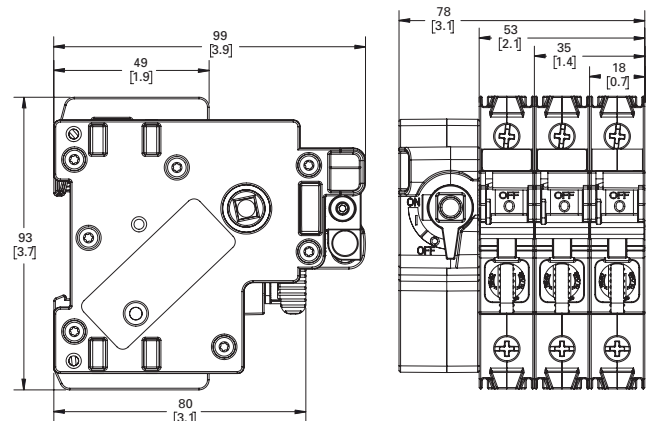
\* 1/2 to 2-1/2 and 20 to 30 A are 300 Vdc, 2-8/10 to 15 A are 150 Vdc.

### Dimensions – mm (in)

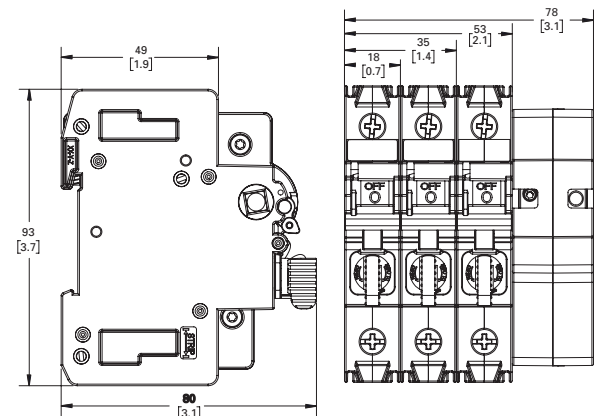
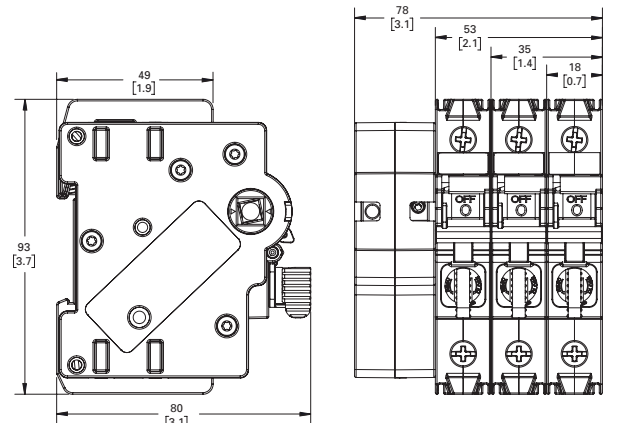
#### Switch



### Left front and right front rotary switches



### Left side and right side rotary switches



Multi-wire lug kit

Catalog number

- CCP2-MW1-3

Description

The multi-wire lug kit permits expanding each box lug terminal on the switch into a three-port terminal for power distribution applications.

Each multi-wire lug kit comes with three (3) three-port lugs and three terminal shrouds. Shrouds provide finger-safe protection when properly installed.

Lugs may be mounted on either the loadside or lineside to meet various application needs.

Ports on any one lug accept any conductor combination listed, e.g., one of the three ports may have dual 14 AWG wires and the other two ports single 10 AWG wires.

Ratings

- Volts 600 V
- Amps 60 A max
- SCCR 200 kA

Agency information

- UL Recognized (lug only)
- RoHS compliant

Storage and operating temperature

- - 20°C to 75°C (-4°F to 167°F)

Multi-wire lug conductor information

- 75°C Cu/AL
- AWG size and quantity per port - see table below

| Type  | AWG range | Class                    | Quantity     | Torque N•m (lb•in) |
|-------|-----------|--------------------------|--------------|--------------------|
| Cu/Al | 4-6       | Stranded, Class B/C      | Single       | 3.95 (35)          |
|       | 8         |                          |              | 2.82 (25)          |
| Cu    | 10-14     | Stranded, Class B/C      | Single/dual* | 2.26 (20)          |
|       | 10-14     | Solid                    | Single       | 2.26 (20)          |
|       | 8         | UL ferrule, Class B to K | Single/twin† | 2.82 (25)          |
|       | 10-14     |                          |              | 2.26 (20)          |

\* Dual wire to be same size and type.  
† Two stranded conductors placed in one UL Listed twin ferrule.

CCP2 box lug torque for multi-wire lug

- 4.52 N•m (40 lb•in)

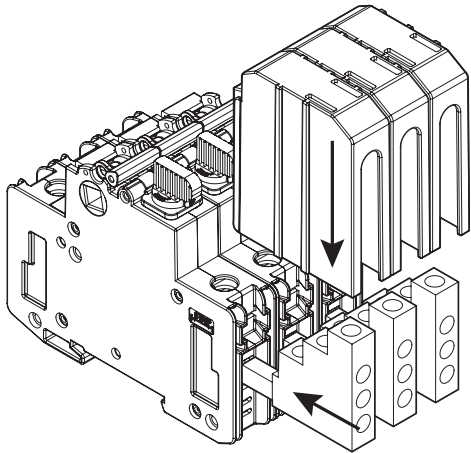
Terminal shroud accessory

Terminal shrouds are available without multi-wire terminals.

| Catalog no. | Description   |
|-------------|---------------|
| CCP2-TS1-3  | Pack of three |

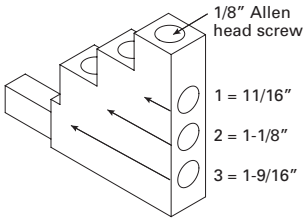


Installed on CCP2-3-xx



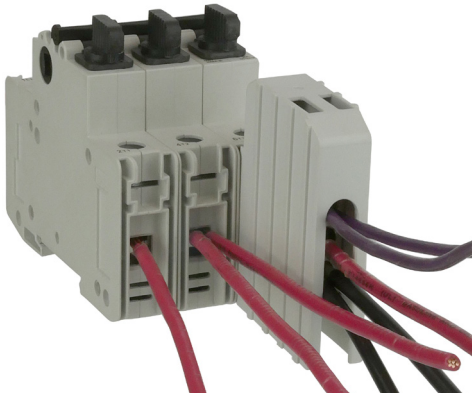
Multi-wire lugs mount in switch box lug terminals to provide three additional wire ports per pole. Lugs can be mounted on the switch lineside or loadside. Each multi-wire lug kit comes with three lugs and three shrouds.

Wire insulation strip lengths



Strip back wire insulation to the lengths as indicated in the illustration above and the table below.

| Lug port | Strip wire insulation back (inch) |
|----------|-----------------------------------|
| 1        | 11/16                             |
| 2        | 1-1/8                             |
| 3        | 1-9/16                            |



Wiring versatility is provided by single/dual rated box lug terminals on the switch, or by the three-port multi-wire lug kit that's also single/dual wire rated.

## Selector and pistol handles

### Catalog symbol

- CCP2-H4X-\_\_

### Description

Selector and pistol handles for use with any 2- and 3-pole CCP2 rotary operated switch. Both selector and pistol handles are available in black/grey and red/yellow colors and clockwise/counterclockwise operating modes. Applying clockwise and counterclockwise operation depends upon the CCP2 rotary switch configuration. Installation requires an 8 mm shaft (ordered separately).

Each handle is rated NEMA 4X and capable of accepting up to three (3) 1/4" diameter shank locks for lockout/tagout in the OFF position. They can also be field configured for lock-on.

In application, only the clockwise operating handles in combination with either the left front or right front rotary switches provide a door interlock means to ensure the enclosure door remains shut during lockout/tagout or lock-on. Both clockwise and counterclockwise operating handles when mounted on the enclosure's left or right side do NOT provide a door interlock means.

See the catalog number table below for applicable rotary switch, handle and shaft combinations.

### Agency information

- UL Listed, Guide DIHS, File E140305
- NEMA 4X rating
- RoHS complaint
- CE

### Storage and operating temperature

- -20°C to 75°C (-4°F to 167°F)

### Packaging

- Each handle is packaged individually

## Handle shafts

### Catalog symbol

- CCP2-SH1-\_\_

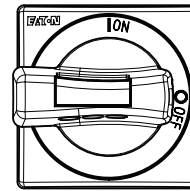
### Description

Eight millimeter square shafts available in 290 and 490 millimeter (11.5 and 19.3 inch) lengths. Shafts are indexed to ensure handle/switch orientation for correct operation. Shafts are cut to length when installed.

### Packaging

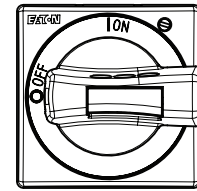
- Each shaft is packaged separately

## Selector handles



**Counterclockwise**

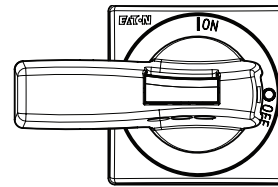
- CCP2-H4X-B1L
- CCP2-H4X-R1L



**Clockwise**

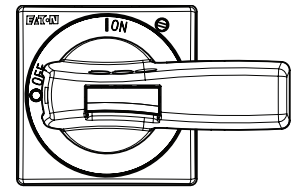
- CCP2-H4X-B1
- CCP2-H4X-R1

## Pistol handles



**Counterclockwise**

- CCP2-H4X-B2L
- CCP2-H4X-R2L



**Clockwise**

- CCP2-H4X-B2
- CCP2-H4X-R2

## Handle shafts



## NFPA 79 compliant handles

### Catalog number

- CCP2-NFPA-1

### Description

NFPA 79 handle mounts on the shaft of front rotary operated switch installations and provides a lockout means independent of the door position.

### Carton quantity



| Catalog no. | Fits shaft size | Qty. |
|-------------|-----------------|------|
| CCP2-NFPA-1 | 8 mm            | 1    |

| For these switch catalog numbers | Description/operation              | Order these handle catalog numbers (description) | Order either shaft catalog number                              |
|----------------------------------|------------------------------------|--------------------------------------------------|----------------------------------------------------------------|
| CCP2R-(pole)-30CC                | Right front rotary, clockwise      | • CCP2-H4X-B1 (selector, black/grey)             | • CCP2-SH1-290 (11.5"/290 mm)<br>• CCP2-SH1-490 (19.3"/490 mm) |
| CCP2R-(pole)-30M                 |                                    | • CCP2-H4X-R1 (selector, red/yellow)             |                                                                |
| CCP2RL-(pole)-30CC               | Left front rotary, clockwise       | • CCP2-H4X-B2 (pistol, black/grey)               |                                                                |
| CCP2RL-(pole)-30M                |                                    | • CCP2-H4X-R2 (pistol, red/yellow)               |                                                                |
| CCP2S-(pole)-30CC                | Right side rotary, clockwise       | • CCP2-H4X-B1L (selector, black/grey)            |                                                                |
| CCP2S-(pole)-30M                 |                                    | • CCP2-H4X-R1L (selector, red/yellow)            |                                                                |
| CCP2SL-(pole)-30CC               | Left side rotary, counterclockwise | • CCP2-H4X-B2L (pistol, black/grey)              |                                                                |
| CCP2SL-(pole)-30M                |                                    | • CCP2-H4X-R2L (pistol, red/yellow)              |                                                                |

Auxiliary contacts

Catalog number

- CCP2-AUX

Description

NO+NC contact output to indicate the switching mechanism status on the CCP2. A single unit can be mounted on any 1-, 2- or 3-pole CCP2 switch and the left front/left side rotary operated switches.

Ratings

- Amps up to 5 A
- Volts up to 240 Vac
- NC/NO contacts are closed/open when the CCP2 switch is in the "ON" position (closed)

| Description                                | Max per CCP2*                 | Signal output |
|--------------------------------------------|-------------------------------|---------------|
| Auxiliary contacts NO+NC for switch status | 1 per CCP2 (1-, 2- or 3-pole) | 5 A / 240 Vac |

\* The CCP2-AUX CANNOT be mounted on the right front and right side rotary operated versions.  
De-energize all circuits and follow all prevailing safety procedures before installing or removing the CCP2-AUX.

Agency information

- UL 98 Recognized, Guide WHY2, File E155130
- cURus to Canadian Standard 22.2 No. 4-04
- IP20 finger-safe in installed state
- RoHS compliant
- CE

Wiring

- 75°C Cu, 20-16 AWG (0.5 to 1.5 mm²) wire
- Torque 0.56 N•m (5 lb-in)

Packaging

- The CCP2-AUX is packaged individually

Installation technique

- Mounts on the CCP2's right side ONLY and mechanically interlocks with the CCP2 switch handle with provided hardware. The CCP2-AUX CANNOT be mounted on the right front and right side rotary operated versions.

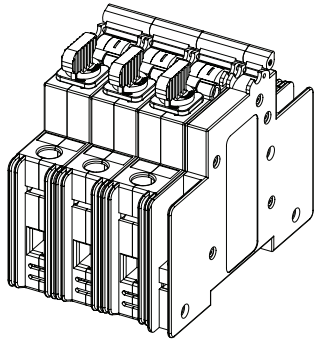
Storage and operating temperature

- -20°C to 75°C (-4°F to 167°F)

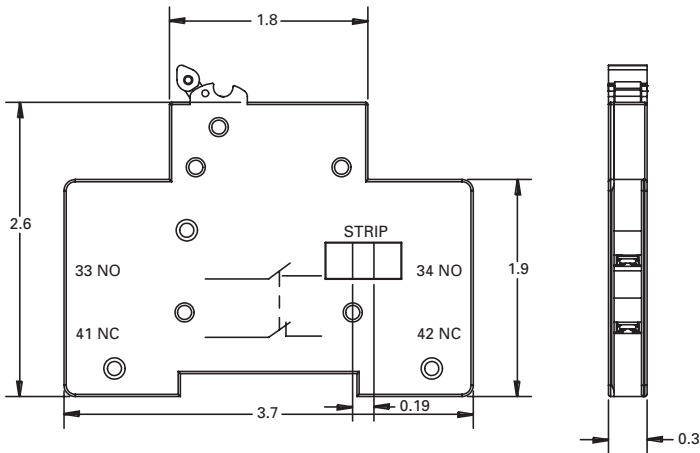


Installed on a CCP2-3-xx

**Note:** CCP2-AUX CANNOT be mounted on the right front and right side rotary operated versions.



Dimensions — in



CCP2-AUX auxiliary contacts mounted on a 3-pole CCP2 switch.

### Class CC and UL Supplemental Switches

For a complete assembly, select from the following required and optional components, and accessories.

| Required    |    | Catalog no.        |                                                                           |       |
|-------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------|-------|
|             |                                                                                     | Switches           | Amps                                                                      | Poles |
|             |                                                                                     | Switch             |                                                                           |       |
|             |                                                                                     |                    |                                                                           |       |
|             |                                                                                     | CCP2-1-30CC        | 30                                                                        | 1     |
|             |                                                                                     | CCP2-2-30CC        |                                                                           | 2     |
|             |                                                                                     | CCP2-3-30CC        |                                                                           | 3     |
|             |                                                                                     | CCP2-1-30M         |                                                                           | 1     |
|             |                                                                                     | CCP2-2-30M         |                                                                           | 2     |
|             |                                                                                     | CCP2-3-30M         |                                                                           | 3     |
| And         |                                                                                     |                    |                                                                           |       |
| Optional    |    | Lug kits           | Description                                                               |       |
|             |                                                                                     | CCP2-MW1-3         | 3-port multi-wire, 75°C Cu/Al, 6-14, includes terminal shrouds, pack of 3 |       |
| And         |                                                                                     |                    |                                                                           |       |
| Accessories |   | Terminal shrouds   | Description                                                               |       |
|             |                                                                                     | CCP2-TS1-3         | Pack of 3                                                                 |       |
|             |  | Auxiliary contacts | Description                                                               |       |
|             |                                                                                     | CCP2-AUX           | NO + NC, 5 A / 240 V                                                      |       |

### Class CC and UL Supplemental clockwise rotary switches

For a complete assembly, select from the following required and optional components, and accessories.

|                                                                                     |                                                                                     |                                                                                     |                              |             |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|-------------|--|
| Required                                                                            |                                                                                     | Catalog no.                                                                         |                              |             |  |
|                                                                                     |                                                                                     | Switches                                                                            | Amps                         | Poles       |  |
|                                                                                     |                                                                                     | Right front rotary                                                                  |                              |             |  |
|                                                                                     |    | CCP2R-2-30CC                                                                        | 30                           | 2           |  |
|                                                                                     |                                                                                     | CCP2R-3-30CC                                                                        |                              | 3           |  |
|                                                                                     |                                                                                     | CCP2R-2-30M                                                                         |                              | 2           |  |
|                                                                                     |                                                                                     | CCP2R-3-30M                                                                         |                              | 3           |  |
|                                                                                     |    | Left front rotary                                                                   |                              |             |  |
|                                                                                     |                                                                                     | CCP2RL-2-30CC                                                                       | 30                           | 2           |  |
|                                                                                     |                                                                                     | CCP2RL-3-30CC                                                                       |                              | 3           |  |
|                                                                                     |                                                                                     | CCP2RL-2-30M                                                                        |                              | 2           |  |
|                                                                                     |                                                                                     | CCP2RL-3-30M                                                                        |                              | 3           |  |
|                                                                                     |    | Right side rotary                                                                   |                              |             |  |
|                                                                                     |                                                                                     | CCP2S-2-30CC                                                                        | 30                           | 2           |  |
|                                                                                     |                                                                                     | CCP2S-3-30CC                                                                        |                              | 3           |  |
|                                                                                     |                                                                                     | CCP2S-2-30M                                                                         |                              | 2           |  |
|                                                                                     |                                                                                     | CCP2S-3-30M                                                                         |                              | 3           |  |
|                                                                                     |   | And                                                                                 |                              |             |  |
|                                                                                     |                                                                                     | Rotary handles                                                                      | Description                  | NEMA rating |  |
|                                                                                     |                                                                                     | CCP2-H4X-B1                                                                         | Selector handle — black/grey | 4X          |  |
|                                                                                     |                                                                                     | CCP2-H4X-R1                                                                         | Selector handle — red/yellow |             |  |
|                                                                                     |                                                                                     | CCP2-H4X-B2                                                                         | Pistol handle — black/grey   |             |  |
|                                                                                     |                                                                                     | CCP2-H4X-R2                                                                         | Pistol handle — red/yellow   |             |  |
|                                                                                     |                                                                                     |  | And                          |             |  |
|                                                                                     | Shafts (8 mm)                                                                       |                                                                                     | Length                       |             |  |
|                                                                                     | CCP2-SH1-290                                                                        |                                                                                     | 290 mm                       |             |  |
|                                                                                     | CCP2-SH1-490                                                                        |                                                                                     | 490 mm                       |             |  |
|                                                                                     |  | NFPA 79 compliant handle                                                            | Color                        |             |  |
|                                                                                     |                                                                                     | CCP2-NFPA-1                                                                         | Red                          |             |  |
| And                                                                                 |                                                                                     |                                                                                     |                              |             |  |
|  | Lug kits                                                                            | Description                                                                         |                              |             |  |
|                                                                                     | CCP2-MW1-3                                                                          | 3-port multi-wire, 75°C Cu/Al, 6-14, includes terminal shrouds, pack of 3           |                              |             |  |

| And         |                                                                                   |                    |                                                                             |
|-------------|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------|
| Accessories |  | Terminal shrouds   | Description                                                                 |
|             |                                                                                   | CCP2-TS1-3         | Pack of 3                                                                   |
|             |  | Auxiliary contacts | Description — cannot be used on right front or right side operated switches |
|             |                                                                                   | CCP2-AUX           | NO + NC, 5 A / 240 V                                                        |

### Class CC and UL Supplemental counterclockwise switches

For a complete assembly, select from the following required and optional components, and accessories.

|                                                                                    |                                                                                     |                    |                                                                           |             |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------|-------------|
| Required                                                                           |                                                                                     | Catalog no.        |                                                                           |             |
|                                                                                    |                                                                                     | Switches           | Amps                                                                      | Poles       |
|                                                                                    |                                                                                     | Left side rotary   |                                                                           |             |
|                                                                                    |    | CCP2SL-2-30CC      | 30                                                                        | 2           |
|                                                                                    |                                                                                     | CCP2SL-3-30CC      |                                                                           | 3           |
|                                                                                    |                                                                                     | CCP2SL-2-30M       |                                                                           | 2           |
|                                                                                    |                                                                                     | CCP2SL-2-30M       |                                                                           | 2           |
|                                                                                    |    | And                |                                                                           |             |
|                                                                                    |                                                                                     | Rotary handles     | Description                                                               | NEMA rating |
|                                                                                    |                                                                                     | CCP2-H4X-B1L       | Selector handle — black/grey                                              | 4X          |
|                                                                                    |                                                                                     | CCP2-H4X-R1L       | Selector handle — red/yellow                                              |             |
|                                                                                    |                                                                                     | CCP2-H4X-B2L       | Pistol handle — black/grey                                                |             |
| CCP2-H4X-R2L                                                                       | Pistol handle — red/yellow                                                          |                    |                                                                           |             |
|  | And                                                                                 |                    |                                                                           |             |
|                                                                                    | Shafts (8 mm)                                                                       | Length             |                                                                           |             |
|                                                                                    | CCP2-SH1-290                                                                        | 290 mm             |                                                                           |             |
|                                                                                    | CCP2-SH1-490                                                                        | 490 mm             |                                                                           |             |
| And                                                                                |                                                                                     |                    |                                                                           |             |
| Optional                                                                           |  | Lug kits           | Description                                                               |             |
|                                                                                    |                                                                                     | CCP2-MW1-3         | 3-port multi-wire, 75°C Cu/Al, 6-14, includes terminal shrouds, pack of 3 |             |
| And                                                                                |                                                                                     |                    |                                                                           |             |
| Accessories                                                                        |  | Terminal shrouds   | Description                                                               |             |
|                                                                                    |                                                                                     | CCP2-TS1-3         | Pack of 3                                                                 |             |
|                                                                                    |  | Auxiliary contacts | Description —mounts on right side                                         |             |
|                                                                                    |                                                                                     | CCP2-AUX           | NO + NC, 5 A / 240 V                                                      |             |

Motor fuse sizing table:

LP-CC time-delay Class CC fuses

| Voltage          | Motor size (Hp) | Motor FLA (amps) | Min (amps) | Code max (amps) | Heavy start (amps) |
|------------------|-----------------|------------------|------------|-----------------|--------------------|
| 115 Vac, 1-phase | 1/6             | 4.4              | 9          | 15              | 15                 |
|                  | 1/4             | 5.8              | 12         | 20              | 20                 |
|                  | 1/3             | 7.2              | 15         | 25              | 25                 |
|                  | 1/2             | 9.8              | 30         | 30              | 30                 |
| 230 Vac, 1-phase | 1/6             | 2.2              | 4.5        | 10              | 10                 |
|                  | 1/4             | 2.9              | 6          | 10              | 10                 |
|                  | 1/3             | 3.6              | 7          | 15              | 15                 |
|                  | 1/2             | 4.9              | 10         | 15              | 15                 |
|                  | 3/4             | 6.9              | 15         | 25              | 25                 |
|                  | 1               | 8                | 25         | 25              | 30                 |
| 200 Vac, 3-phase | 1-1/2           | 10               | 30         | 30              | 30                 |
|                  | 1/2             | 2.5              | 5          | 10              | 10                 |
|                  | 3/4             | 3.7              | 7.5        | 15              | 15                 |
|                  | 1               | 4.8              | 10         | 15              | 15                 |
|                  | 1-1/2           | 6.9              | 15         | 25              | 25                 |
|                  | 2               | 7.8              | 25         | 25              | 30                 |
| 208 Vac, 3-phase | 1/2             | 2.4              | 5          | 10              | 10                 |
|                  | 3/4             | 3.5              | 7          | 15              | 15                 |
|                  | 1               | 4.6              | 10         | 15              | 15                 |
|                  | 1-1/2           | 6.6              | 15         | 20              | 25                 |
| 230 Vac, 3-phase | 2               | 7.5              | 15         | 25              | 30                 |
|                  | 1/2             | 2.2              | 4.5        | 10              | 10                 |
|                  | 3/4             | 3.2              | 7          | 10              | 12                 |
|                  | 1               | 4.2              | 9          | 15              | 15                 |
|                  | 1-1/2           | 6                | 12         | 20              | 20                 |
|                  | 2               | 6.8              | 15         | 25              | 25                 |
| 460 Vac, 3-phase | 3               | 9.6              | 30         | 30              | 30                 |
|                  | 1/2             | 1.1              | 2.25       | 6               | 6                  |
|                  | 3/4             | 1.6              | 3.2        | 6               | 6.25               |
|                  | 1               | 2.1              | 4.5        | 10              | 10                 |
|                  | 1-1/2           | 3                | 6          | 10              | 12                 |
|                  | 2               | 3.4              | 7          | 15              | 15                 |
|                  | 3               | 4.8              | 10         | 15              | 15                 |
| 575 Vac, 3-phase | 5               | 7.6              | 25         | 25              | 30                 |
|                  | 1/2             | 0.9              | 1.8        | 3               | 3.5                |
|                  | 3/4             | 1.3              | 2.8        | 6               | 6                  |
|                  | 1               | 1.7              | 3.5        | 6               | 6.25               |
|                  | 1-1/2           | 2.4              | 5          | 10              | 10                 |
|                  | 2               | 2.7              | 5.6        | 10              | 10                 |
|                  | 3               | 3.9              | 8          | 15              | 15                 |
|                  | 5               | 6.1              | 15         | 20              | 20                 |
|                  | 7-1/2           | 9                | 30         | 30              | 30                 |

**Note:** NEMA motors only (no IEC or design B energy efficient). Minimum size if no more than 1 start/hour. Code max if low to moderate reverse/jog/plug applications. Heavy start permitted only if code max does not allow motor start-up. For high reverse/jog/plug applications or larger horsepower motors.

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