

1 & 2 Pole Contactor 20–40 FLA

HCC Series



1 & 2 pole contactors are typically used in residential applications. These contactors utilize one wire to control electrical current direction. Our engineers and quality specialists provide services that meet or exceed customer requirements—all products undergo in-house testing and validation. We carry extensive inventory to meet delivery schedules.

Features

- 1 Pole NO with or without shunt
- 2 Pole NO
- Silver Cadmium Oxide Contacts
- UL 508 File No. E227250
- Semko/CE File No. EN 60947-4-1:2001
- CSA File No. 221260 (1456104)
- Multiple mounting and termination options available, contact us for more information.

We can custom engineer a solution to meet any need. Just ask.

815.626.5170 | HartlandControls.com

Specifications

Initial Dielectric Strength

Between Contacts & Coils: 2,200 VAC
Between Poles: 2,200 VAC (includes shunt)
Between Open Contacts: 2,200 VAC (no shunt)

Arc Cover

Optional on 20–30 FLA
Standard on 40 FLA

Insulation System

130°C Class B

Temperature Range

-40°C to +65°C
-40°F to +150°F

Unit Weight

1 Pole 8 oz
2 Pole 9.6 oz

Power Pole Terminations

#10-32 screw or box lug

Wire Size

#10-32 screw 16-8 (#8 must use ring terminal)
Box lug 14-4

Recommended Tightening Torque

#10-32 screw: 22 in. lbs
Box lug: 40 in. lbs

Quick Connects

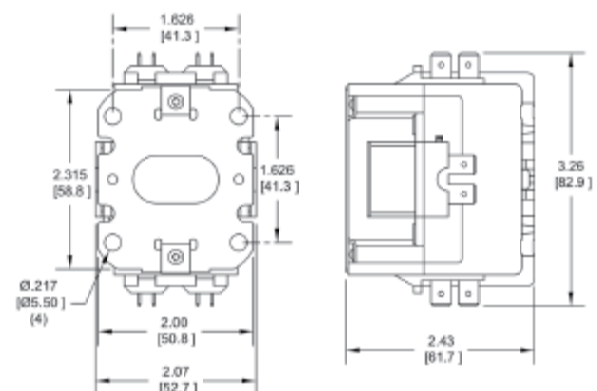
Coil terminals:
Dual: .250" QC

Power terminals:

1 Pole: Dual or Quad .250" QC
2 Pole: Dual or Quad .250" QC

Dimensions (inches [mm])

1 & 2 Pole dimensions are the same



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| 1 Pole Contactors | | | | |
|-------------------|----|-----|-----|-----|
| 20 | 30 | 120 | 100 | 80 |
| 25 | 35 | 150 | 125 | 100 |
| 30 | 40 | 180 | 150 | 120 |
| 40 | 50 | 240 | 200 | 160 |
| 2 Pole Contactors | | | | |
| 20 | 30 | 120 | 100 | 80 |
| 25 | 35 | 150 | 125 | 100 |
| 30 | 40 | 180 | 150 | 120 |
| 40 | 50 | 240 | 200 | 160 |

Suitable for use on a circuit capable of delivering not more than 5k rms symmetrical amperes, 600 Volts maximum at 400% of fuse and circuit breaker.

Suitable for use on a circuit capable of delivering not more than 100k rms symmetrical amperes as shown.

| | Maximum Circuit Breaker | | Any Listed Fuse (except as noted) | |
|--------|-------------------------|--------------------------|---|---|
| | 480 Volts Maximum | Minimum Enclosure Volume | 600 Volts Maximum | Minimum Enclosure Volume |
| 00, 40 | 80 A | 144 cu. in. | 60 A | 96 cu. in. (1 & 2 Pole) 144 cu. in. (3 & 4 Pole) |
| 01, 41 | 80 A | 144 cu. in. | 60 A | |
| 02, 42 | 80 A | 144 cu. in. | 60 A | |
| 04, 44 | 100 A | 144 cu. in. | 100 A max. Class J Fuse (1 & 2 Pole) 100 A (3 & 4 Pole) | |

Note: for a circuit capable of delivering more than 5k rms symmetrical amperes, the equipment enclosure must have a minimum of four fastening points or a piano hinge and two fastening points.

Multiple mounting and termination options available, contact us for more information.

Mouser Electronics

Authorized Distributor

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[CON-1/120/30](#) [CON-1/120/30L](#) [CON-1/120/40](#) [CON-1/24/30](#) [CON-1/24/30L](#) [CON-1/24/40](#) [CON-2/24/30](#) [CON-2/24/30L](#) [CON-2/24/40](#) [CON-2/240/30](#) [CON-2/240/30L](#) [CON-2/240/40](#) [CON-1/240/30](#) [CON-1/240/30L](#) [CON-1/240/40](#) [CON-2/120/30](#) [CON-2/120/30L](#) [CON-2/120/40](#)