

3 Pole Contactor 50–120 FLA HCD Series



3 pole contactors are typically used in commercial applications. These contactors utilize three wires 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 domestic inventory to meet delivery schedules.

Features

- 3 Pole NO
- Silver Cadmium Oxide Contacts
- UL 508 File No. E227250
- 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
Between Open Contacts: 2,200 VAC

Arc Cover

Standard

Insulation System

130°C Class B

Temperature Range

-40°C to +65°C
-40°F to +150°F

Unit Weight

50–60 FLA 32 oz
75–120 FLA 64 oz

Power Pole Terminations

Aluminum box lug

Wire Size

50–60 FLA Box Lug 14-2
75–90 FLA Box Lug 14-1

Recommended Tightening Torque

Box lug: 50 in. lbs

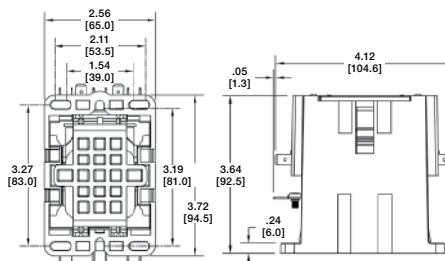
Quick Connects

Coil terminals:
Dual: .250" QC or #6–32 screw/.250" QC

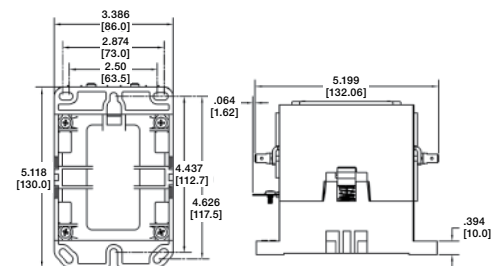
Power terminals:

Dual .250" QC

Dimensions (inches [mm]) 50–60 FLA



75–120 FLA



3 Pole Contactor 50–120 FLA

HCD Series

Line Voltage

Full Load Amps	Resistive Amps @ 600 VAC	Locked Rotor Amps @ 240/277 VAC	Locked Rotor Amps @ 480 VAC	Locked Rotor Amps @ 600 VAC
3 Pole Contactors				
50	65	300	250	200
60	75	360	300	240
75	90	450	375	300
90	120	540	450	360
120	150	720	600	480

Horsepower Rating

Full Load Amps	120 V		240 V		480 V		600 V	
	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
3 Pole Contactors								
50	3	–	10	15	–	30	–	30
60	5	–	10	25	–	30	–	30
75	5	–	15	25	–	40	–	40
90	7.5	–	20	30	–	50	–	50
120	7.5	–	20	30	–	50	–	50

Standard Fault Short Circuit Rating

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.

High Fault Short Circuit Rating

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

	Maximum Circuit Breaker		Maximum J Fuse	
	480 Volts Maximum	Minimum Enclosure Volume	600 Volts Maximum	Minimum Enclosure Volume
05	150 A	256 cu. in.	200 A	256 cu. in.
06	150 A	256 cu. in.	200 A	256 cu. in.
07	150 A	1008 cu. in.	200 A	1008 cu. in.
09	150 A	1008 cu. in.	200 A	1008 cu. in.
12	150 A	1008 cu. in.	200 A	1008 cu. in.

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.