

# 3 Pole Contactor 50–120 FLA

## HCD Series



### 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:

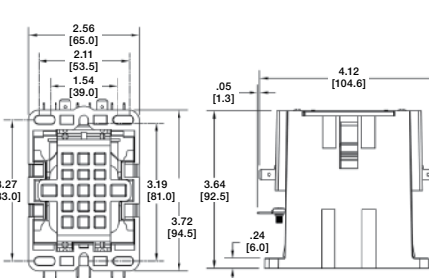
Dual .250" QC

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.

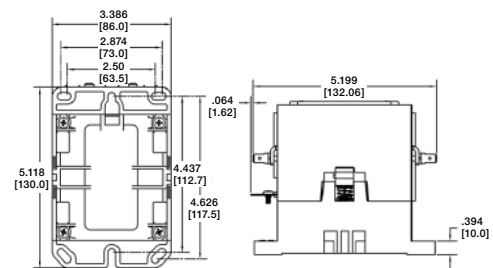
## Features

- 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.

### Dimensions (inches [mm])



### 75–120 FLA



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

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### 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.*