Contactor HCD Series

600 V ac • 50-120 A • 3P





Description

The HCD Series definite purpose contactors consists of 3 pole from 50 amperes through 120 amperes. Acting as an on/off switch controlled by thermostats, contactors are designed with consistent silver thickness for increased product life, making them ideal for the demands of a broad range of applications.

Features & Benefits

| FEATURES | BENEFITS |
|--|--|
| Double E magnet assembly | For optimal performance with reduced power use |
| Movable contacts with heavy duty silver cadmium oxide | To help extend the life of the product |
| One piece terminal design meets NEMA standard | Allowing spacing without insulated terminals |
| Termination options include combo screw, screw with pressure plate, or lug | To meet a broad range of system needs |
| Universal mounting configuration | Helps streamline installation |
| Optional auxilliary switches | Designed for use with 3 pole & 4 pole contactors |

Applications

- HVAC/R
- Food & Beverage
- Lighting
- Welding
- Water/Wastewater

Specifications

Initial Dielectric Strength Between Contacts & Coils: 2,200 V ac; Between Poles: 2,200 V ac (includes shunt); Between Open

Contacts: 2,200 V ac (no shunt)

Arc CoverStandardInsulation System130 °C Class B

Unit Weight 50–60 FLA: 32 oz; 75–90 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

Coil Terminal ConnectionsCoil terminals: Dual 0.250" quick connects or #6–32 screw

Power Terminal Connections

Dual 0.250" quick connects

Operating Temperature

-40 °C to 65 °C; -40 °F to 150 °F



Contactor HCD Series

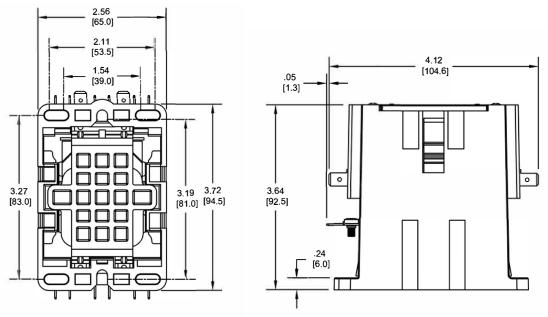
Certification & Compliance

| RU, cRU | File No. E227250 |
|---------|------------------|
| CSA | File No. 221260 |

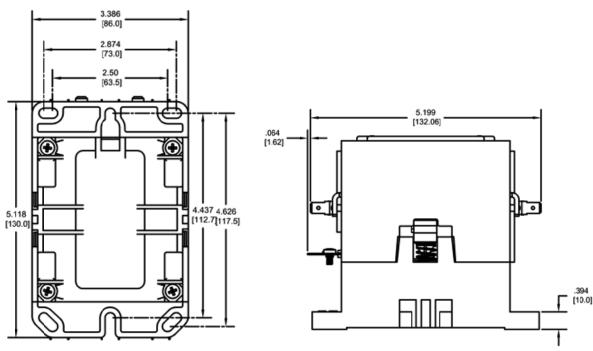
Ordering Information

| LITTELFUSE CATALOG NUMBER | CONTACTOR FORM PER CIRCUIT | FULL LOAD CURRENT INDUCTIVE | LOCKED ROTOR CURRENT | LOCKED ROTOR CURRENT | LOCKED ROTOR CURRENT | FULL LOAD CURRENT RESISTIVE | PULL IN VOLTAGE | NOMINAL COIL VOLTAGE | WEIGHT |
|---------------------------------|----------------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------------|--------------------|----------------------------|---------|
| CON-3/480/50 | 3 pole NO | 50 A | 300 A @ 240 V ac | 250 A @ 480 V ac | 200 A @ 600 V ac | 65 A @ 600 V ac | 384 V | 480 V | 1.45 Lb |
| CON-3/480/60 | 3 pole NO | 60 A | 360 A @ 240 V ac | 300 A @ 480 V ac | 240 A @ 600 V ac | 75 A @ 600 V ac | 384 V | 480 V | 1.45 Lb |
| CON-3/480/75 | 3 pole NO | 75 A | 450 A @ 240 V ac | 375 A @ 480 V ac | 300 A @ 600 V ac | 90 A @ 600 V ac | 384 V | 480 V | 3.4 Lb |
| CON-3/480/90 | 3 pole NO | 90 A | 540 A @ 240 V ac | 450 A @ 480 V ac | 360 A @ 600 V ac | 120 A @ 600 V ac | 384 V | 480 V | 3.4 Lb |
| CON-3/480/120 | 3 pole NO | 120 A | 720 A @ 240 V ac | 600 A @ 480 V ac | 480 A @ 600 V ac | 150 A @ 600 Vac | 384 V | 480 V | 3.4 Lb |
| CON-3/24/50 | 3 pole NO | 50 A | 300 A @ 240 V ac | 250 A @ 480 V ac | 200 A @ 600 V ac | 65 A @ 600 V ac | 18 V | 24 V | 1.45 Lb |
| CON-3/24/60 | 3 pole NO | 60 A | 360 A @ 240 V ac | 300 A @ 480 V ac | 240 A @ 600 V ac | 75 A @ 600 V ac | 18 V | 24 V | 1.45 Lb |
| CON-3/24/75 | 3 pole NO | 75 A | 450 A @ 240 V ac | 375 A @ 480 V ac | 300 A @ 600 V ac | 90 A @ 600 V ac | 18 V | 24 V | 3.4 Lb |
| CON-3/24/90 | 3 pole NO | 90 A | 540 A @ 240 V ac | 450 A @ 480 V ac | 360 A @ 600 V ac | 120 A @ 600 V ac | 18 V | 24 V | 3.4 Lb |
| CON-3/24/120 | 3 pole NO | 120 A | 720 A @ 240 V ac | 600 A @ 480 V ac | 480 A @ 600 V ac | 150 A @ 600 V ac | 18 V | 24 V | 3.4 Lb |
| CON-3/120/50 | 3 pole NO | 50 A | 300 A @ 240 V ac | 250 A @ 480 V ac | 200 A @ 600 V ac | 65 A @ 600 V ac | 93 V | 120 V | 1.45 Lb |
| CON-3/120/60 | 3 pole NO | 60 A | 360 A @ 240 V ac | 300 A @ 480 V ac | 240 A @ 600 V ac | 75 A @ 600 V ac | 93 V | 120 V | 1.45 Lb |
| CON-3/120/75 | 3 pole NO | 75 A | 450 A @ 240 V ac | 375 A @ 480 V ac | 300 A @ 600 V ac | 90 A @ 600 V ac | 88 V | 120 V | 3.4 Lb |
| CON-3/120/90 | 3 pole NO | 90 A | 540 A @ 240 V ac | 450 A @ 480 V ac | 360 A @ 600 V ac | 120 A @ 600 V ac | 88 V | 120 V | 3.4 Lb |
| CON-3/120/120 | 3 pole NO | 120 A | 720 A @ 240 V ac | 600 A @ 480 V ac | 480 A @ 600 V ac | 150 A @ 600 V ac | 88 V | 120 V | 3.4 Lb |
| CON-3/240/50 | 3 pole NO | 50 A | 300 A @ 240 V ac | 250 A @ 480 V ac | 200 A @ 600 V ac | 65 A @ 600 V ac | 177 V | 208/240 V | 1.45 Lb |
| CON-3/240/60 | 3 pole NO | 60 A | 360 A @ 240 V ac | 300 A @ 480 V ac | 240 A @ 600 V ac | 75 A @ 600 V ac | 177 V | 208/240 V | 1.45 Lb |
| CON-3/240/90 | 3 pole NO | 90 A | 540 A @ 240 V ac | 450 A @ 480 V ac | 360 A @ 600 V ac | 120 A @ 600 V ac | 177 V | 208/240 V | 3.4 Lb |
| CON-3/240/120 | 3 pole NO | 120 A | 720 A @ 240 V ac | 600 A @ 480 V ac | 480 A @ 600 V ac | 150 A @ 600 V ac | 177 V | 208/240 V | 3.4 Lb |

Dimensions in (mm)



3 Pole Contactor 50 - 60 FLA



3 Pole Contactor 75-125 FLA

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