

CUT SHEET 4 POLE N.C. 110/120 VAC COIL

LNC1-63 Contactor



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General Information

Model: 4 Pole Normally Closed (NC) IEC 400V Contactor

Applications: Lighting, motor control, and general switching. Ideal for AC-1 (resistance heaters, incandescent lamps) and AC-3 loads (air conditioners, compressors, fans). Designed for use at 110/120VAC with a quiet, energy-efficient, and no-humming coil.

Standards Compliance: Fully compliant with CSA C22.2 No. 14, EN 60947-4-1, EN 60947-5-1, IEC 947-2, IEC 60947-4-1, IEC 60947-5-1.

Mounting Type: Compatible with DIN rail 35mm for easy and secure installation.

Technical Specifications

Contacts: Normally Closed (N.C.)

Rated Voltage: 110/120VAC, 50/60Hz

Current Capacity:

Resistive Load: 63A

Inductive Load: 40A

DC Load: 30A (at 24VDC)

Coil Load:

Inrush: 52VA

Sealed: 10VA

IEC AC Rating:

AC-1: 10 kW

AC-3: 8 kW

Electric Strength: 4 kV

Horsepower Rating:

1 HP @ 1 Phase - 120V

2 HP @ 1 Phase - 230V

5 HP @ 3 Phase - 208V

5 HP @ 3 Phase - 230V

10 HP @ 3 Phase - 480V

Environmental Specifications

Operating Temperature Range: -30°C to +70°C (-22°F to +158°F)

Compliance: CE approved 61095, UL pending

Standards Compliance:

CSA C22.2 No. 14
EN 60947-4-1
EN 60947-5-1
IEC 947-2
IEC 60947-4-1
IEC 60947-5-1

Physical Specifications

Dimensions: 54 × 84 × 64 mm / 2.1" × 3.3" × 2.5" (Width × Height × Depth)

Weight: 0.88 lb (0.42 kg)

Mounting: Base or DIN rail 35mm

Wiring Capacity:

Solid Conductor: 25 mm², Max Torque: 0.6 Nm

Stranded Conductor: 16 mm², Max Torque: 0.6 Nm

Features

- **Reliable Performance:** Rated for 63A resistive and 40A inductive loads, with 30A DC switching at 24VDC, this 4-pole NC contactor delivers dependable performance for HVAC, lighting, and general motor control.
- **Silent Coil Design:** Equipped with an energy-saving coil that operates with minimal noise and no humming, optimized for use at 110–120VAC.
- **Motor Compatibility:** Handles motors up to 10 HP at 480V in three-phase applications, making it suitable for a broad range of industrial systems.
- **Built-In Power Indicator:** Includes a coil status light for quick and safe verification of operation.
- **DIN Rail Mountable:** Compatible with 35mm DIN rails, allowing easy and secure installation in control panels.
- **Fully Certified:** Complies with IEC, EN, CSA, and CE standards for safe, reliable global use.

Specifications and Wiring Diagram

