

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

LNC1-63 Contactor



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General Information

Model: 4 Pole Normally Open (NO) IEC 400V Contactor

Applications: Suitable for home and industrial applications, including HVAC systems, motor control, lighting control, and general electrical switching.

Standards Compliance: Fully compliant with IEC/EN standards, including 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 Open (N.O.)

Rated Voltage: 400V

Current Capacity:

Resistive Load: 63A

Inductive Load: 40A

DC Load: 30A (at 24VDC)

Coil Voltage: 110/120VAC, 50Hz

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: -40°C to +70°C (-40°F to +158°F)

Compliance: CE approved 61095, UL pending

Physical Specifications

Dimensions: 2.1" (54 mm) x 3.3" (85 mm) x 2.6" (66 mm)

Weight: 0.88 lb (0.42 kg)

Mounting: Base or DIN rail 35mm

Wiring Capacity:

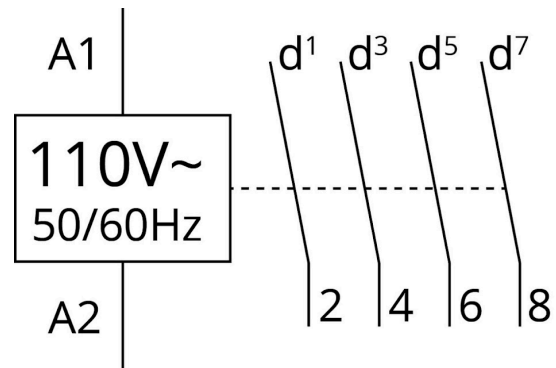
Solid Conductor: 25 mm², Max Torque: 0.6 Nm

Stranded Conductor: 16 mm², Max Torque: 0.6 Nm

Features

- High Current Capacity: Rated for 63A resistive and 40A inductive loads, with additional DC load handling at 24VDC.
- Versatile Horsepower Ratings: Capable of handling various horsepower ratings, from 1 HP at 120V (single-phase) to 10 HP at 480V (three-phase).
- Energy-Efficient: Inrush coil load of 52VA and sealed coil load of 10VA, offering low power consumption.
- Durable Design: 4 kV electric strength and a wide operating temperature range, ensuring long-term reliability in diverse conditions.
- DIN Rail Compatible: Mounts easily onto DIN rail (35mm), simplifying installation in control panels.
- Safety Features: Equipped with a power status indicator for operational visibility.
- Compliance with International Standards: Fully compliant with IEC, EN, and CSA standards for safety and reliability.

Specifications and Wiring Diagram



I_e 63A
U_{e~} 400V
U_{i~} 500V
AC-7a 63A
AC-7b 25A

