

CUT SHEET DEFINITE PURPOSE 4 POLE 110/120VAC 40 AMP



sales@contactordepot.com

<https://contactordepot.com/>

General Information

Model: 4 Pole Normally Open (NO) 600V Definite Purpose Contactor

Applications: Lighting, motor control, HVAC, and general-purpose switching. Designed for use with 120V coil and rated for 600V systems. Ideal for both single and three-phase motors, industrial lighting, and automation panels.

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, UL 508, VDE 0660

Mounting Type: Compatible with DIN rail

Technical Specifications

Rated Voltage: 600VAC max

Current Capacity:

Resistive Load: 50A per pole

Full Load Amps (FLA): 40A

Ballast Load: 50A

DC Load: 30A @ 24VDC

Rated Power:

10 kW @ 220VAC

15 kW @ 277VAC

Horsepower Rating (Maximum):

2 HP @ 1 Phase – 115V

10 HP @ 1 Phase – 230V

15 HP @ 3 Phase – 480V

25 HP @ 3 Phase – 600V

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

Coil Load:

Inrush: 67VA

Sealed: 15VA

IEC AC Rating:

AC-1: 100A

AC-3: 40A

Dielectric Strength: 2500V / 1s across poles, contacts, coil-to-base, and terminals

Electrical Life: 1×10^5 cycles

Mechanical Life: 1×10^6 cycles

Environmental Specifications

Compliance: UL Listed, RoHS Compliant

Standards Compliance: UL 60947, IEC 60947, GB14048.4

Physical Specifications

Dimensions: 77 × 95.8 × 77 mm / 3.00" × 3.77" × 3.00" (Width × Height × Depth)

Weight: 1.08 lb (0.55 kg)

Mounting: Base or DIN rail

Wiring Capacity:

Screw terminals: 16–8 AWG (must use ring terminal)

Box lugs: 14–4 AWG

Terminal torque:

- Screw: 22 in-lbs

- Box lug: 40 in-lbs

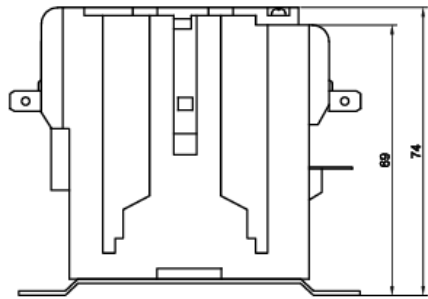
Coil terminals: Dual 0.250" QC or #6-32 screw/.250" QC

Power terminals: Dual 0.250" QC

Features

- Definite Purpose Contactor: Built for high-performance motor and lighting control at 600VAC with a 4-pole, normally open design ideal for a variety of heavy-duty applications.
- High Horsepower Capability: Supports up to 25 HP on three-phase motors at 600V, ensuring compatibility with demanding industrial equipment.
- Robust Electrical Ratings: Handles 40A FLA and 50A resistive per pole, with 30A DC switching at 24VDC.
- Reliable Coil Performance: 67VA inrush and 15VA sealed coil ensure efficient energization with quiet, no-humming operation.
- Built-in Power Indicator: Includes a visual status light for quick verification of operational state.
- Certified and Safe: Meets all major international standards including UL, CSA, IEC, and RoHS for quality, safety, and reliability.
- DIN Rail Mounting: Standard 35mm DIN rail compatible for quick installation and secure fit in control enclosures.

Specifications and Wiring Diagram



↑ A

wiring diagram:

