

Definite Purpose Contactor 20-90A, 1-4 Pole

These definite purpose contactors are suitable for use in HVAC and refrigeration systems. They are CUL listed and available in 1, 1.5, 2, 3 and 4 pole configurations with current ratings from 20A to 90A.



ADDITIONAL IMAGES



Product Overview

High-Performance Definite Purpose Contactors

These Definite Purpose Contactors are designed for demanding commercial applications including HVAC, refrigeration, resistive heating, and lighting. Engineered to meet or exceed USA and Canada electrical standards, they offer a low-cost yet high-performance solution for motor and load control. With a versatile range of pole configurations and current ratings, these devices provide the flexibility needed for diverse industrial installations.

Technical Ratings



The complete range of contactors showing various pole configurations from 1 to 4 poles.

Full Load Amps (FLA)

20 A Minimum FLA	90 A Maximum FLA
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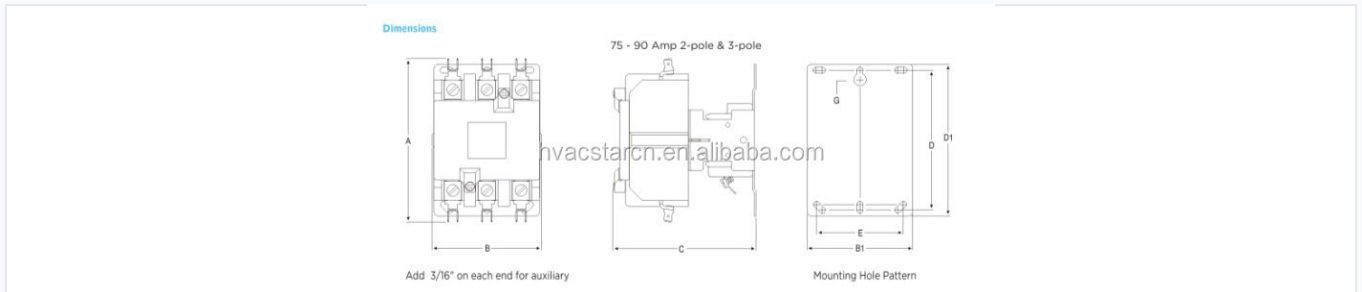
Coil Voltages (VAC)

- 24 VAC
- 110/120 VAC
- 208/240 VAC
- 277 VAC
- 480 VAC

Available Poles

1 Pole, 1.5 Pole, 2 Pole, 3 Pole, 4 Pole

Construction & Materials



Mechanical dimensions and mounting hole patterns for high-amperage 2-pole and 3-pole models.

Terminal Types

Model Range	Termination Type
20, 25 & 30 FLA	#10-32 Screw
40, 50, 60, 75 & 90 FLA	Box Lug

Contact Material

Silver Cadmium Oxide

Insulation System

130°C Class B

Environmental Specifications

Ambient Operating Temperature

-40°C to +65°C (-40°F to +150°F)

Compliance & Standards



Product compliance documentation ensuring adherence to international safety and quality standards.

Safety Approvals

UL Listed • CSA • CE • S MARK • CCC • IEC60947-4-1

Coil Performance

Coil Technical Data (50/60Hz)

Nominal Voltage	Pickup (Max)	Drop-Out Range	DC Resistance
24V	18V	6-15V	0.85 Ohms
120V	88V	20-70V	15.6 Ohms
208/240V	177V	40-110V	63.5 Ohms
277V	220V	65-185V	85 Ohms
480V	384V	150-270V	240 Ohms

Applications

Target Industries

- Air Conditioning (HVAC)
- Commercial Refrigeration
- Resistive Heating
- Lighting Installations
- Hermetic Refrigeration Compressors