

Series CDP2 Definite Purpose Contactors

High performance economical contactors for commercial applications up to 90A

Sprecher + Schuh's Definite Purpose contactors are ideal for commercial applications including air conditioning, refrigeration, resistive heating and many other installations where a low cost, high performance contactor is needed. These devices offer flexibility and are designed to meet or exceed electrical and mechanical requirements as defined by definite purpose contactor standards.

Popular sizes for most applications

The CDP2 series consists of one, two, three and four pole contactors rated to 600V AC. Three pole devices range up to 90A, while the one and two pole models are rated to 40A. Four pole contactors are also available ranging from 25A to 40A.

Flexibility and convenience make installation easy

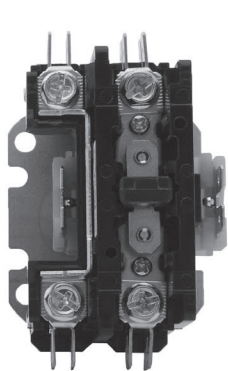
CDP2 contactors are compact in size and offer three convenient methods of wire connection: quick connect terminals, screws or box lugs. Box lugs are standard on 40A and larger contactors. Other models come standard with combination quick connect terminals and screws that accept hex, slotted or phillips screwdrivers.

Standard Features

- Universal mounting plate
- 25A & 30A have screw power terminals that will accept ring-tongue terminals
- 40A and larger have box power terminals
- Dual quick-connect power terminals on all sizes
- Dual quick-connect coil terminals on all sizes
- Double break power contact design with feed-thru wiring
- Class B (130°C) coil insulation
- Double E magnet assembly

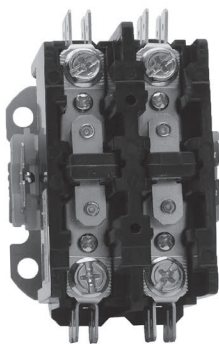
Optional Features

- SPDT auxiliary contacts optional on 3- and 4-pole contactors (max of two)
- Optional covers for 1- and 2-pole contactors
- Mechanical interlock for 3-pole contactors



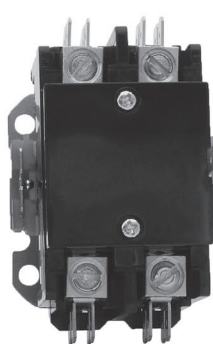
One Pole

30A
40A



Two Pole

30A



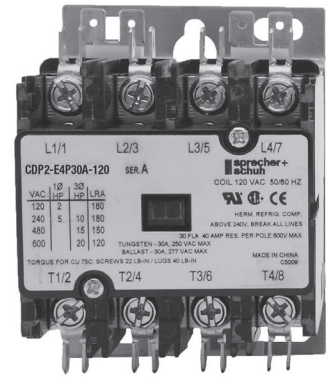
Two Pole

40A



Three Pole

30A
40A
50A
60A
75A
90A



Four Pole

30A
40A

Compare These Features

Built-in Shock Absorber
Reduces contact bounce for longer life.

Coil Dust Cover
Keeps dust and dirt away from magnet and coil area.

Coil
Class B (1300 C Insulation System) with wide range of voltages and 50/60 Hz ratings. Includes shading coil that reduces contact chatter.

Snap-on Auxiliary Contact
(optional on 3 and 4 pole contactors)
One or two SPDT (shown) available. Also 1NO and 1NC with 600V AC rating.

Base Assembly
High arc resistant polyester holds stationary terminals, positions actuator and magnet/coil assembly.

Movable Contacts
Heavy duty silver cadmium oxide composition to resist welding and contact erosion for greater reliability

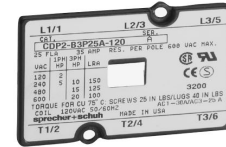
Industry Standard Mounting Plate
Easily accessible mounting holes.

Coil Terminals
#6 - 32 screw and one .250 Quick Connect or Dual .250 Quick Connects (will accept two insulated quick connect terminals).

Double E Magnet Assembly
Provides optimal performance with reduced power consumption

Stationary Terminal
One piece terminal design with integral dual .250 Quick Connects. Meets NEMA standard for spacing without insulated terminals.

Actuator
Molded from high arc resistant polyester, holds upper magnet, movable contacts and contact springs position.



Quick Selection Guide

One and Two Pole Definite Purpose Contactors with AC Coil - See page A152				
CDP2 ①	A	1P	30A	24
Type	Frame Size	Poles	Amp Rating	Coil Voltage
Definite Purpose	A = 30 & 40A	1P = 1 pole 2P = 2 pole	30A = 30 amps 40A = 40 amps	24 = 24 volts 120 = 120 volts 220W = 208-240 volts 277 = 277 volts

Three Pole Definite Purpose Contactors with AC Coil- See page A153				
CDP2 ①②	B	3P	30A	24
Type	Frame Size	Poles	Amp Rating	Coil Voltage
Definite Purpose	B = 30 & 40A C = 50 & 60A D = 75 & 90A	3P = 3 poles	30A = 30 amps 40A = 40 amps 50A = 50 amps 60A = 60 amps 75A = 75 amps 90A = 90 amps	24 = 24 volts 120 = 120 volts 220W = 208-240 volts 277 = 277 volts 480 = 480 volts

Four Pole Definite Purpose Contactors with AC Coil - See page A154				
CDP2 ①②	E	4P	25A	24
Type	Frame Size	Poles	Amp Rating	Coil Voltage
Definite Purpose	E = 25...40A	4P = 4 poles	25A = 25 amps 30A = 30 amps 40A = 40 amps	24 = 24 volts 120 = 120 volts 220W = 208-240 volts 277 = 277 volts 480 = 480 volts

- ① Screw power terminals standard on 30A. Box lug power terminals standard for 40A and larger.
- ② Box lugs on 30A available with volume special order only.