

Series CDP2 Definite Purpose Contactors



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.

- 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



Flexibility and convenience make installation easy

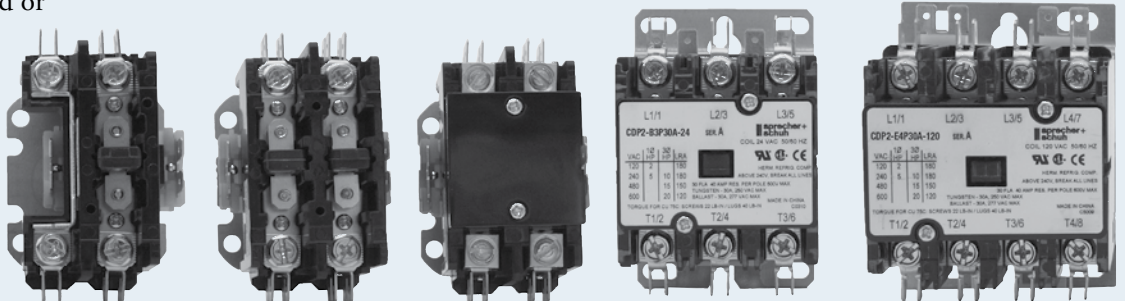
CDP2 contactors are compact in size and offer three convenient methods of wire connection: quick connect terminals, screws or box lugs. Box lugs are standard on 40A and larger contactors. Other models come standard with combination quick connect terminals and screws that accept hex, slotted or phillips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

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.

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

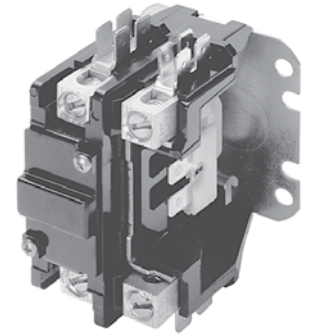


1- and 2- Pole Contactors

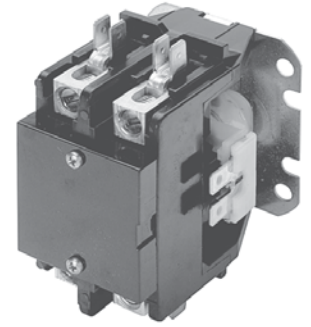
One and Two Pole Definite Purpose Contactors with AC Coil (Open type only) ①

Full Load Amps	Poles	Locked Rotor Amps			Resistive Amps	Maximum H.P.		Catalog Number	Std. Pkg.
		240V	480V	600V		1Ø			
						120V	240V		
30	1	150	75	50	40	1	2	CDP2-A1P30A-*	50
30	2	150	125	100	40	2	3	CDP2-A2P30A-*	50
40	1	200	150	120	50	2	3	CDP2-A1P40A-*	50
40	2	200	150	120	50	2	3	CDP2-A2P40A-*	50

Replace "" with Coil Code below.



Series CDP2 1-pole contactor



Series CDP2 2-pole contactor (with optional cover)

3- and 4- Pole Contactors

Three Pole Definite Purpose Contactors with AC Coil (Open Type only) ①

Full Load Amps	Locked Rotor Amps			Resistive Amps ②	Maximum Horsepower						Catalog Number	Std. Pkg.	
	240V	480V	600V		1Ø			3Ø					
					120V	200V	240V	208V	240V	480V			600V
30	180	150	120	40	2	~	5	10	10	15	20	CDP2-B3P30A-*	25
40	240	200	160	50	3	~	7-1/2	10	10	20	25	CDP2-B3P40A-*	25
50	300	250	200	65	3	7-1/2	10	15	15	25	25	CDP2-C3P50A-*	15
60	360	300	240	75	5	7-1/2	10	25	25	30	30	CDP2-C3P60A-*	15
75	450	375	300	93	5	10	15	20	25	40	40	CDP2-D3P75A-*	1
90	540	450	360	120	7-1/2	15	20	25	30	50	50	CDP2-D3P90A-*	1

Replace "" with Coil Code below.



Series CDP2 3-pole contactor



Series CDP2 4-pole contactor

Four Pole Definite Purpose Contactors With AC Coil (Open Type only) ①

Full Load Amps	Locked Rotor Amps			Resistive Amps	Maximum Horsepower					Catalog Number	Std. Pkg.
	240V	480V	600V		1Ø		3Ø				
					120V	240V	208V	240V	480V		
30	180	150	120	40	2	5	10	10	15	CDP2-E4P30A-*	20
40	240	200	160	50	3	7-1/2	10	10	20	CDP2-E4P40A-*	20

Replace "" with Coil Code at right.

① 25A contactors only available by special order. Contact your Sprecher + Schuh representative.

AC Coil Codes

AC Coil Code	Voltage Range
	60 Hz
24	24V
120	120V
220W	208-240V
277	277V
480	480V

CDP2 Product 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 (130°C Insulation System)
- Wide range of voltages and 60 Hz ratings.
- Includes shading coil that reduces contact chatter.

Snap-on Auxiliary Contact

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

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.

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

Actuator

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



Accessories

One pole Auxiliary Contact Block (SPDT) –

- Side mount with quick connect stabs
- for 25...40A, 3- OR 4-pole contactors – CDP2-BE-1SPDT

Two pole Auxiliary Contact Block –

- 1-NO / 1-NC
- Side mount with quick connect stabs
- for 25...40A, 3- or 4-pole contactors – CDP2-BE-11
- for 50...90A, 3-pole contactors – CDP2-CD-11

DIN-rail Adaptor -

- Attaches to the universal mounting plate of 1-, 2-, 3- and 4-pole contactors
- 25...40 Amps – CDP2-DRA

Mechanical Interlock -

- Can be combined with electrical interlocks on 3-pole and 4-pole contactors as required – CDP2-MK1

Contactor Cover-

- Prevents foreign particles from entering contactor. Covers current carrying parts.
- For use with:
 - 1-Pole – CDP2-A1P30A
 - 2-Pole – CDP2-A2P30A

Contact your Sprecher + Schuh representative for complete product information.