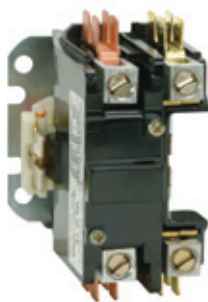




High Performance Economical Contactors

Series CDP Definite Purpose Contactors

One Pole



30A
40A

Two Pole



30A
40A

Three Pole



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

Four Pole



25A
30A
40A

Sprecher + Schuh's new 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 CDP 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

CDP 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

- 1-NO and 1-NC auxillary contacts optional on 3 and 4-pole contactors (max of two sets)
- SPDT auxillary contacts optional on 3- and 4-pole contactors (max of two)
- Optional covers for 1- and 2-pole contactors
- DIN Rail adapter for 3-pole contactors
- Mechanical interlock for 3-pole contactors

sprecher+
schuh



Series CDP Contactors: Flexible, Convenient and Easy to Install

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.

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.

Screw Power Terminal
Supplied as standard on 25A and 30A.

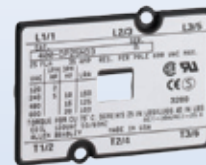
Box Power Terminal
Supplied as standard on 40A and larger.

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

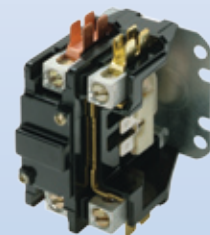
Actuator
Molded from high arc resistant polyester, holds upper magnet, movable contacts and contact springs position.



One and Two Pole - Series CDP

Definite Purpose Contactors with AC Coil (Open type only) ⑥

Full Load Amps	Poles	Locked Rotor Amps			Resistive Amps ②	Maximum H.P.		Catalog Number	Std. Pkg. ③
		240V	480V	600V		10			
						120V	240V		
30 ❶	1	150	75	50	40	1	2	CDP-A1P30A-❖ ❷ ❸	50
30 ❶	2	150	125	100	40	2	3	CDP-A2P30A-❖ ❷	50
40	1	200	150	120	50	2	3	CDP-A1P40A-❖ ❹ ❺	50
40	2	200	150	120	50	2	3	CDP-A2P40A-❖ ❹	50



Series CD 1-pole contactor



Series CDP 2-pole contactor (with optional cover)

Three Pole - Series CDP

Definite Purpose Contactors with AC Coil (Open Type only)

Full Load Amps	Locked Rotor Amps			Resistive Amps ②	Maximum Horsepower ②						Catalog Number	Std. Pkg. ③
					10		30					
	240V	480V	600V		120V	240V	200V	240V	480V	600V		
30 ①	180	150	120	40	2	~	10	10	15	20	CDP-B3P30A-* ⑦	25
40	240	200	160	50	3	~	10	10	20	25	CDP-B3P40A-* ④	25
50	300	250	200	65	3	7-1/2	15	15	25	25	CDP-B3P50A-* ④	15
60	360	300	240	75	5	7-1/2	25	25	30	30	CDP-B3P60A-* ④	15
75	450	375	300	93	5	10	20	25	40	40	CDP-B3P75A-* ④	15
90	540	450	360	120	7-1/2	15	25	30	50	50	CDP-B3P90A-* ④	15



Series CDP 3-pole contactor

Four Pole - Series CDP

Definite Purpose Cotnactors With AC Coil

Full Load Amps	Locked Rotor Amps			Resistive Amps ②	Maximum Horsepower ②					Catalog Number	Std. Pkg. ③
					10		30				
	240V	480V	600V		120V	240V	200V	240V	480V		
25	150	125	100	35	2	5	7-1/2	10	15	CDP-E3P25A-* ⑦	25
30	180	150	120	40	2	5	10	10	15	CDP-E3P30A-* ⑦	25
40	240	200	160	50	3	7-1/2	10	10	20	CDP-E3P40A-* ④	15



Series CDP 4-pole contactor

A.C. Coil Codes ⑤

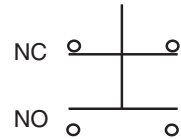
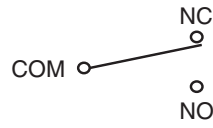
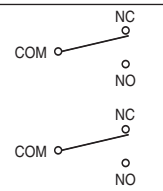
AC Coil Code	Voltage Range
	60 Hz
24	24V
120	120V
220W	208V / 240V
480	480V

Ordering Instructions

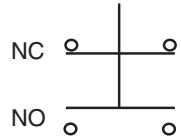
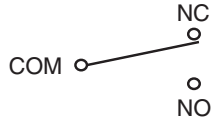
● Specify Catalog Number	
● Replace (*) with Coil Code	See Coil Code table on this page for codes

- ① 25A contactors available by special order in quantity. Contact your Sprecher +Schuh representative.
- ② 240V rating also applies to 277V applications.
- ③ Add suffix "-M" to end of catalog number for bulk packaging. Standard package quantities apply. Example: Change CDP-A1P30A-* to CDP-A1P30A-*M.
- ④ Box Power Lugs are supplied as standard. Screw terminals are available on the power connections by special order in quantity. These allow installation of ring tongue terminals. Add suffix "-R" to the catalog number. Example: CDP-A1P40A-* becomes CDP-A1P40A-*R. If ordering screw terminal contactors in bulk packaging, add suffix "-M" after "-R".
- ⑤ 277V coils available by special order in quality. Contact your Sprecher +Schuh representative.
- ⑥ 1- and 2- pole 25 and 30A contactors supplied without cover. See Accessories for cover options.
- ⑦ Screw power terminals are supplied as standard on 25 and 30A contactors. Box lugs are available by special order in quantity. Add suffix "-B" to the catalog number. Example: CDP-A1P30A-* becomes CDP-A1P30A-*B. Add \$1 per pole to list price.
- ⑧ 1-pole (1-pole plus) contactors include a shunt for termination and feed-thru of neutral.

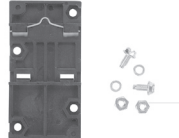
Auxiliary Contacts for 3 Pole Contactors

Auxiliary	Description	Circuit Diagram	Catalog Number
	Two pole Auxiliary Contact Block (1NO / NC) - Side mount with quick connect stabs for 25...40A, 3 pole contactors for 50...90A, 3 pole contactors		CDP-B-11 CDP-CD-11
	One pole Auxiliary Contact Block (SPDT) - Side mount with quick connect stabs for 25...40A, 3 pole contactors for 50...90A, 3 pole contactors		CDP-B-1SPDT CDP-CD-1SPDT
	Two pole Auxiliary Contact Block (SPDT) - Side mount with quick connect stabs for 25...40A, 3 pole contactors		CDP-B-2SPDT

Auxiliary Contacts for 4 Pole Contactors

Auxiliary	Description	Circuit Diagram	Catalog Number
	Two pole Auxiliary Contact Block (1NO / NC) - Side mount with quick connect stabs for all 4 pole contactors		CDP-E-11
	One pole Auxiliary Contact Block (SPDT) - Side mount with quick connect stabs for all 4 pole contactors		CDP-E1SPDT

Accessories

Auxiliary	Description	For use with...	Catalog Number
	Contactor Cover - Prevents foreign particles from entering contactor. Covers current carrying parts.	CDP-A1P30A... CDP-A2P30A...	CDP-A1P-C CDP-A2P-C
	DIN-rail Adaptor - Attaches to the universal mounting plate of 3-pole contactors.	CDP-B3P...	CDP-DRA
	Mechanical Interlock -Can be combined with electrical interlocks on 3-pole contactors as required.	CDP-B3P...	CDP-MK1