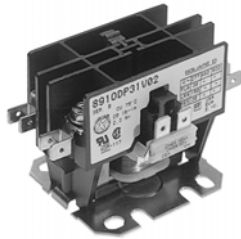


- Compact Design
- Industry Standard Mounting
- Double Break Contacts
- Low Coil VA
- Straight-Through Wiring
- Low Cost

Definite purpose contactors are ideal for heating, air conditioning, refrigeration, data processing, and food service equipment. New compact 1 and 2-Pole contactors are available along with standard size 2, 3, and 4-Pole devices.

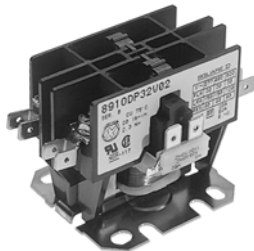
They feature quick connect terminals and binder head screws for easy wiring. Box lugs are standard on 40 ampere contactors and larger. An exclusive DIN track mounting option may reduce installation costs. Coils can be changed on the Type DPA contactors quickly without a tool. Auxiliary contact modules snap on either side of the Type DPA contactors.



Type DP31V02
1-Pole

Table 16.214: Compact 1-Pole Contactors—600 Vac Maximum

Full Load Amperes	Locked Rotor Amperes			Resistive Load Amperes	Horsepower Ratings		N.O. Poles	Type
	277 V	460 V	575 V		115 V 1Ø	230 V 1Ø		
20	100	100	80	25	1	2	1	DP11★
25	125	125	100	30	2	3	1	DP21★
30	150	150	120	40	2	3	1	DP31★
40	240	200	160	50▲	2	5	1	DP41★



Type DP32V02
2-Pole

Table 16.215: Compact 2-Pole Contactors—600 Vac Maximum■

Full Load Amperes	Locked Rotor Amperes			Resistive Load Amperes	Horsepower Ratings		N.O. Poles	Type
	277 V	460 V	575 V		115 V 1Ø	230 V 1Ø		
20	100	100	80	30	1	2	2	DP12★
25	125	125	100	35	2	3	2	DP22★
30	150	150	120	40	2	5	2	DP32★
40	240	200	160	50	2	5	2	DP42★

Table 16.216: 2, 3, and 4-Pole Contactors—600 Vac Maximum■♦

Full Load Amperes	Locked Rotor Amperes			Resistive Load Amperes	Horsepower Ratings				N.O. Poles	Type
	230 V	460 V	575 V		115 V 1Ø	230 V 1Ø	230 V 3Ø	460/575 V 3Ø		
20	120	100	80	25	1	2	5	7-1/2	2 3 4	DPA12★ DPA13★ DPA14★
25	150	125	100	35	2	3	7-1/2	10	2 3 4	DPA22★ DPA23★ DPA24★
30	180	150	120	40	2	5	10	15	2 3 4	DPA32★ DPA33★ DPA34★
40	240	200	160	50	3	7-1/2	10	20	2 3 4	DPA42★ DPA43★ DPA44★
50	300	250	200	65	3	10	15	30	2 3	DPA52★ DPA53★
60	360	300	240	75	5	10	25	30	2 3	DPA62★ DPA63★
75	450	375	300	94	5	15	25	40	2 3	DPA72★ DPA73★
90	540	450	360	120	7-1/2	20	30	50	2 3	DPA92★ DPA93★
120	720	600	480	120	10	25	40	75	2 3	DPA122★ DPA123★
132	800	800	520	132	—	—	—	—	3	SYD138★
220	1500	1500	1200	220	—	—	—	—	3	SYD230★
352	2200	2200	1800	352	—	—	—	—	3	SYD368★

▲ 50 A Resistive, maximum 277 V. All others rated 40 A Resistive (above 277 V).

■ Above 240 V, all lines must be switched.

♦ See page 16-116 for replacement contacts.

★ Voltage code must be specified to order this product. Refer to standard voltage codes listed below.

Table 16.217: Coil Voltage Codes

Voltage		Code Type DP, DPA	Code Type DPA122, DPA123, SYD
60 Hz	50 Hz		
24	24	V14	V12▼
24	—	—	V01△
120	110	V02	V02
208	—	—	V08
208-240	220	V09	—
230-240	220	—	V03
277	—	V04	V04
480	440	V06□	V06
600	550	V07◇	V07

▼ 24 V 50 Hz only.

△ Available on Types DPA122, DPA123, and SYD138 only.

□ Not available for Type DP11 through DP31 single-pole devices.

◇ Not available for Type DP one- and two-pole devices.



Type DPA33V02
3-Pole

Types DP, DPA, and SYD Application Data

Table 16.218: 2 Normally Open & 2 Normally Closed 4-Pole Contactors—600 Vac Maximum

Full Load Amperes	Resistive Load Amperes	N.O. Poles	N.C. Poles■	Class 8910	
				Type	Form
20	25	2	2	DPA14▲	Y392
25	35	2	2	DPA24▲	Y392
30	40	2	2	DPA34▲	Y392
40	50	2	2	DPA44▲	Y392

▲ Voltage code must be specified to order this product. Refer to standard voltage codes on page 16-88.
 ■ Above 240 volts, all lines must be switched.
 Note: N.C. poles on outside. N.C. poles open before N.O. poles close.

Table 16.219: Auxiliary Contacts, 5 A, 600 Vac Rated

For Use With Class 8910 Type	Contact Arrangement	Class 9999 Type
DPA	1 N.O. 1 N.C. 1 N.O. & 1 N.C. 2 N.O.	D10 D01 D11 D20
DPA122 DPA123 SYD	1 N.O. 1 N.C. 1 N.O. & 1 N.C.	SX6 SX7 SX8

Table 16.220: NEMA 1 General Purpose Enclosures for Type DP, DPA and SYD Contactors

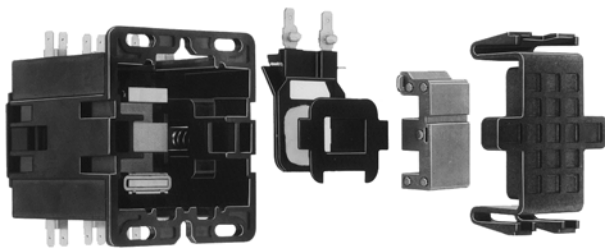
Class 8910 Type	Full Load Amperes	Poles	Class 9991 Type
DP	20-40	1 & 2	DPG1
DPA	20-40	2 & 3	DPG1
DPA	50 20-40	2 & 3 4	DPG2
DPA	60-75	2 & 3	DPG3
DPA	90-120	2 & 3	DPG4
SYD	132	2 & 3	DPG5
SYD	220	2 & 3	DPG6

◆ CP1 discount schedule.

Table 16.221: Application Data

Mechanical Life: 500,000 operations
 Electrical Life:
 Type DP: 100,000 operations
 Type DPA, SYD: 200,000 operations
 Duty Cycle: Continuous
 Approvals:
 UL Component Recognized
 UL Listed (Form U1) File E78351, CCN NLDX2
 CSA Certified File E78351, CCN NLDX
 DPA is CE marked File LR25490, Class 321104

Coil Replacement



No tools required

Table 16.222: Class 8910 Type DPA Replacement Coils

Full Load Amperes	Poles	Class 9998 Type	Volt-Amperes▼	
			Inrush	Sealed
20-40 A	2 & 3	DA1★	56	6
20-40 A	4	DA2★	109	10
50-60 A	2 & 3	DA2★	109	10
75-90 A	2 & 3	DA3★	214	19

★ Replace diamond with suffix from DPA Coil Table 16.226. Example: Coil for Class 8910 DPA33V02 120 V 60 Hz would be a Class 9998 Type DA1V02.
 ▼ For Types DP11 through DP32: Inrush 30 VA; Sealed 5 VA.
 △ CP10 Discount Schedule, not CP1.
 Note: See page 16-133 for DPA12_ and SYD Replacement Coils.

Table 16.223: Terminals

Full Load Amperes	Power Terminals	
	Type of Lug	Wire Range□
20-30 A	Binder Head	#14-#8
40 A	Box Lug	#14-#6
50-60 A	Box Lug	#14-#2
75-90 A	Box Lug	#14-#1/O
120 A	Box Lug	#14-#1/O
132 A	Box Lug	#8-350 MCM
220 A	Box Lug	#8-350 MCM
352 A	Box Lug	#4-500 MCM

□ Solid or stranded copper wire only.

Table 16.224: Miscellaneous Parts

Description	Class 9999 Type
DIN mounting bracket attachment (Type DPA, 20 A to 60 A only)	DMB1
Type DP Series B Cover	DPC1

Table 16.225: Factory Modifications

Auxiliary contacts can be factory installed along with a DIN mounting bracket option. Special terminations are also available.

Modification	Type	Form
Factory installed auxiliary contacts	—	◇
Pressure wire connectors (20-30 A)	DPA	Y122
Box lugs (20-30 A)	DP DPA	Y124
Cu/Al box lugs (20-40 A)	DPA	Y239
Cu/Al box lugs (20, 25 & 30 A)	DP	Y239
DIN mounting bracket attached (35 mm style)*	DP DPA	Y135
Contact cover for Type DP Series B	—	Y248
UL Listed label on device	DP	U1

◇ Contact your nearest Square D/Schneider Electric sales office.
 ☆ Available for 20 through 60 A only.

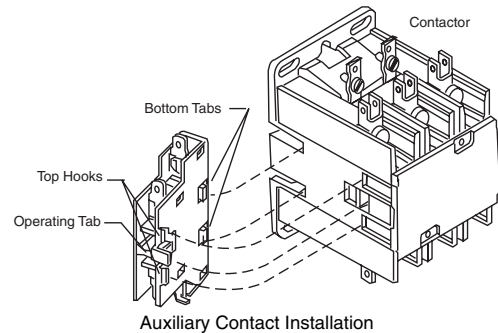
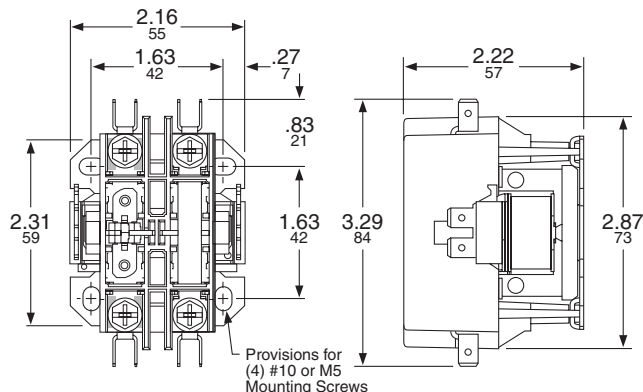


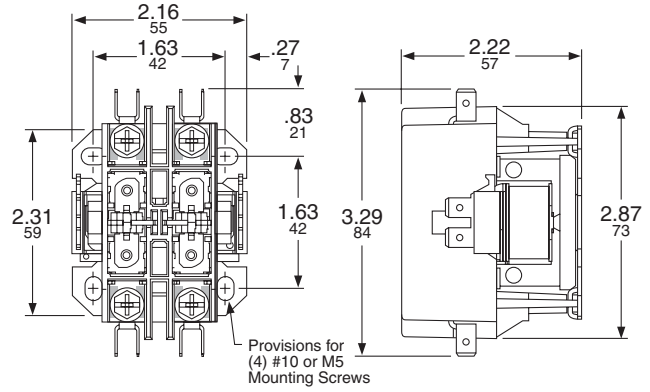
Table 16.226: Type DPA Coil Voltage Codes

Voltage, 60 Hz	Voltage, 50 Hz	Voltage Code
24	24	V14
120	110	V02
208-240	220	V09
277	—	V04
480	440	V06▽
600	550	V07▽

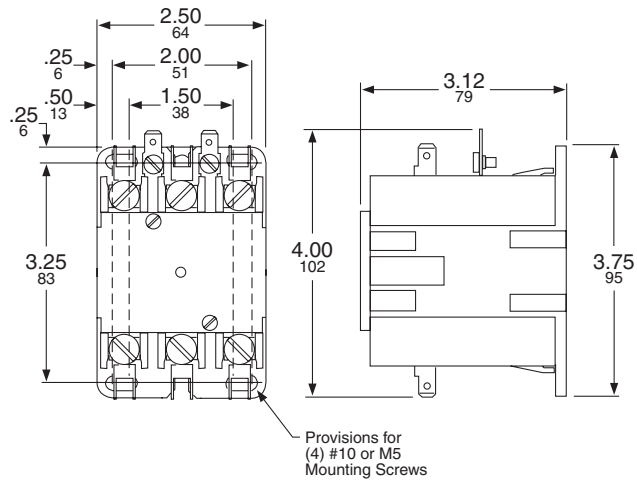
▽ Available for Type DPA contactors only.



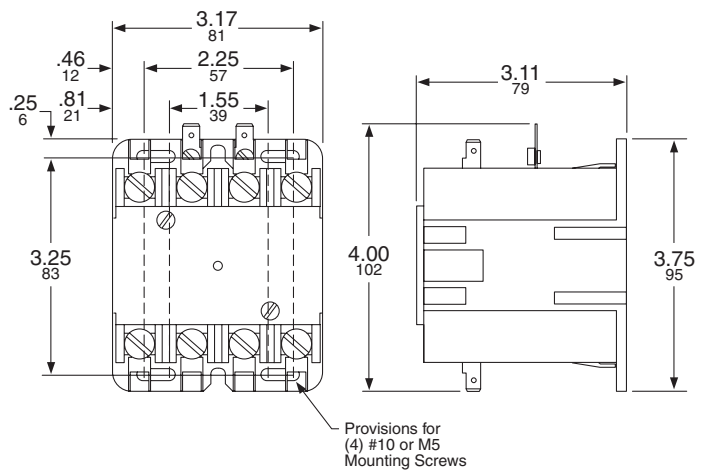
Type DP—1-Pole
20 through 40 Full Load Amperes



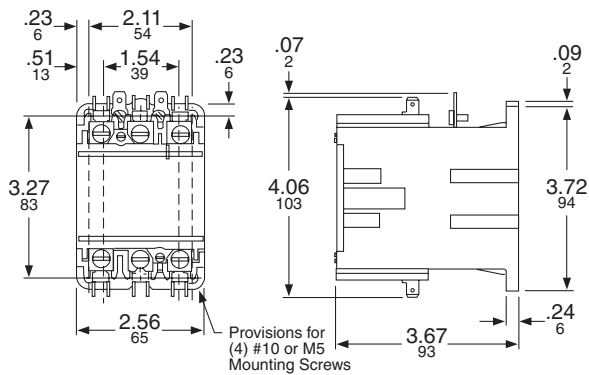
Type DP—2-Pole
20 through 40 Full Load Amperes



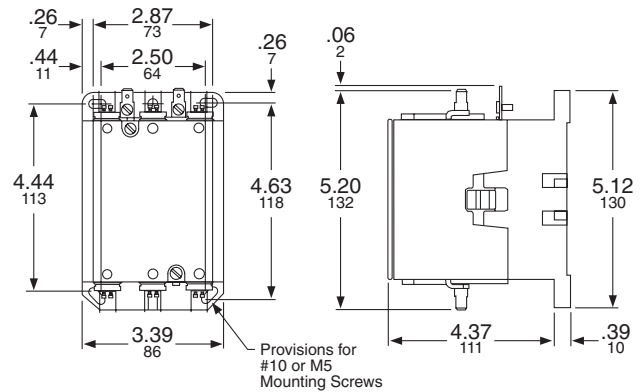
Type DPA—2 and 3-Pole
20 through 40 Full Load Amperes



Type DPA—4-Pole
20 through 40 Full Load Amperes

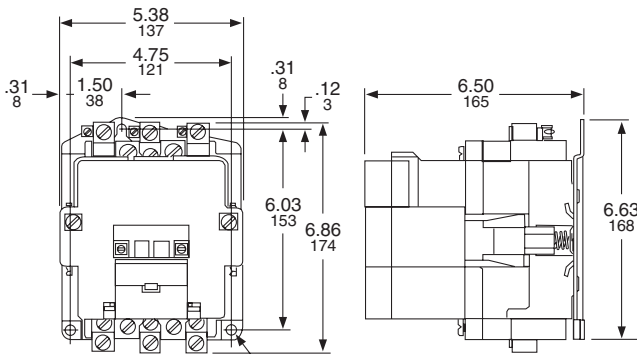


Type DPA—2 and 3-Pole
50 and 60 Full Load Amperes

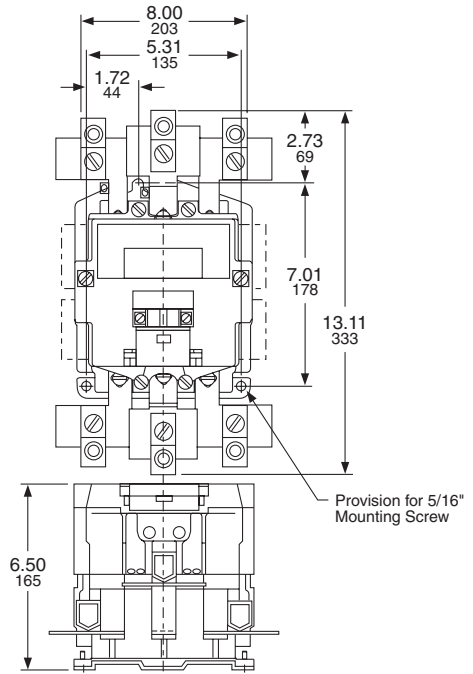


Type DPA—2 and 3-Pole
75 and 90 Full Load Amperes

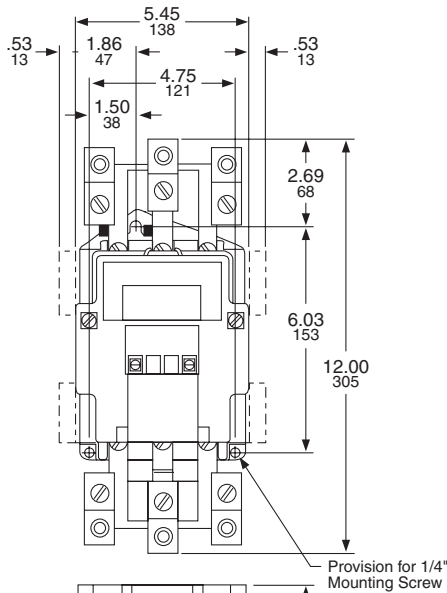
Dual Dimensions: **INCHES**
Millimeters



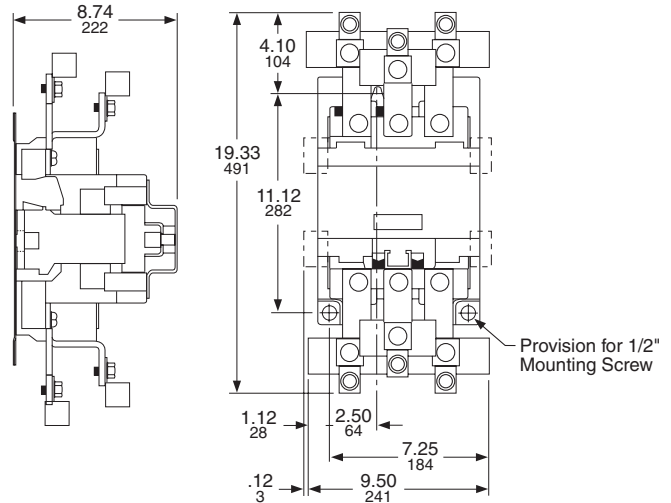
Type DPA
120 Full Load Amperes



Type SYD230
220 Full Load Amperes



Type SYD138
132 Full Load Amperes



Type SYD368
352 Full Load Amperes

Dual Dimensions: **INCHES**
Millimeters