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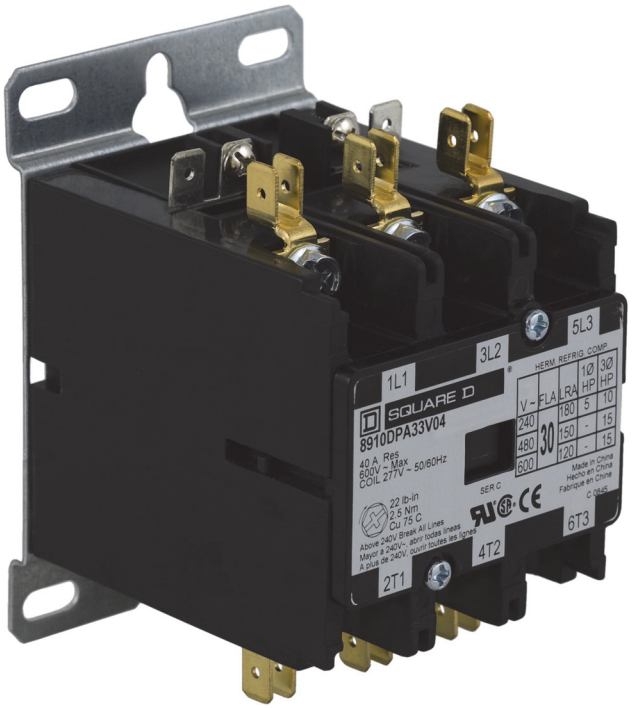
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Definite Purpose Control

Catalog
8910CT9301R12/13

2014

Class 8910, 8911, 8965, 9998, 9999



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SQUARE D™
by Schneider Electric

Contactors, Class 8910 Types DP and DPA

Definite purpose contactors are ideal for heating, air conditioning, refrigeration, data processing, and food service equipment. Compact 1- and 2-pole contactors are available, as well as full-size devices with 2, 3, or 4 poles.

Features

- Quick connect terminals and binder head screws allow for easy wiring.
- Box lugs are standard on contactors 40 A and larger.
- An exclusive DIN track mounting option may reduce installation costs.
- Coils can be changed quickly, without a tool, on the Type DPA, 50–90 A contactors.
- Auxiliary contact modules snap on either side of the Type DPA contactors.

To order, specify the Class, Type, and Voltage Code (where indicated).



Type DP22V09
2 pole

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

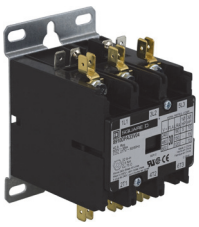
Full Load Amperes	Locked Rotor Amperes			Resistive Load Amperes	N.O. Poles	Class 8910 Type [1]
	277 V	460 V	575 V			
20	120	100	80	30	1	DP11
25	150	125	100	35	1	DP21
30	150	125	100	40	1	DP31
40	240	200	160	40 (50 for 277 V)	1	DP41



Type DP42V14
2 pole

Table 2: Compact 2-Pole Contactors—600 Vac Maximum
Above 240 V, all lines must be switched.

Full Load Amperes	Locked Rotor Amperes			Resistive Load Amperes	N.O. Poles	Class 8910 Type [1]
	277 V	460 V	575 V			
20	120	100	80	30	2	DP12
25	150	125	100	35	2	DP22
30	150	125	100	40	2	DP32
40	240	200	160	50	2	DP42



Type DPA33V04
3 pole

Table 3: 2, 3, and 4-Pole Contactors—600 Vac Maximum
Above 240 V, all lines must be switched.

Full Load Amperes	Locked Rotor Amperes			Resistance Load Amperes	Horsepower Ratings				N.O. Poles	Class 8910 Type [1]
	230 V	460 V	575 V		115 V, 1Ø	230 V, 1Ø	230 V, 3Ø	460/575 V, 3Ø		
20	120	100	80	30	1.5	3	7.5	7.5	2 3 4	DPA12 DPA13 DPA14
25	150	125	100	35	2	5	10	15/20	2 3 4	DPA22 DPA23 DPA24
30	180	150	120	40	2	5	10	15/20	2 3 4	DPA32 DPA33 DPA34
40	240	200	160	50	3	7.5	10	20/25	2 3 4	DPA42 DPA43 DPA44
50	300	250	200	62	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	7.5	20	30	50	2 3	DPA92 DPA93

[1] Add the voltage code suffix from Table 7 on page 4.

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Table 4: 2 N.O. and 2 N.C. 4-Pole Contactors 600 Vac Maximum
Above 240 V, all lines must be switched.

Full Load Amperes	Resistive Load Amperes	Poles		Contactors Class 8910	
		N.O.	N.C. [1]	Type [2]	Form
20	25	2	2	DPA14	Y392
25	35	2	2	DPA24	Y392
30	40	2	2	DPA34	Y392

[1] The N.C. poles are on the outside. The N.C. poles open before the N.O. poles close.

[2] Add the voltage code suffix from Table 7. Add the Form after the voltage code (example: 8910DPA14V02Y392).

Table 5: Auxiliary Contacts

For Use with Class 8910 Type	Contact Arrangement	Auxiliary Contacts Class 9999 Type	
		20–40 A	50–90 A
DPA	1 N.O.	DD10	D10
	1 N.C.	DD01	D01
	1 N.O. / 1 N.C.	DD11	D11
	2 N.O.	DD20	D20

Figure 1: Auxiliary Contact Installation, 50–90 A (no tools required)

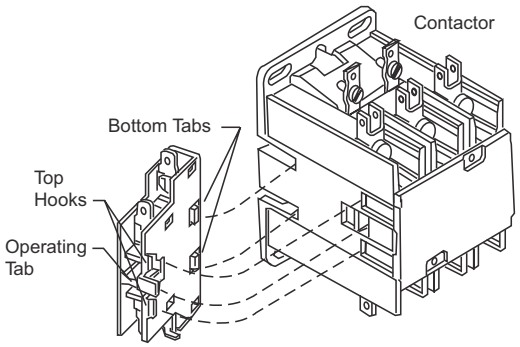


Table 6: NEMA Type 1 General Purpose Enclosures for Type DP and DPA Contactors

For Contactors, Class 8910 Type	Full Load Amperes	Poles	Enclosures, Class 9991 Type
DP	20–40	1 and 2	DPG1
DPA	20–40	2 and 3	DPG1
		4	DPG2
	50	2 and 3	DPG2
	60–75	2 and 3	DPG3
	90	2 and 3	DPG4

Table 7: Coil Voltage Codes

Voltage		Voltage Code Type DP, DPA
60 Hz	50 Hz	
24	24	V14
24	—	—
120	110	V02
208	—	—
208–240	220	V09
230–240	220	—
277	—	V04
480	440	V06
600	550	V07 (not available for Type DP, 1-pole and 2-pole devices)

Table 8: Types DP and DPA Specifications

Mechanical Life		500,000 operations (actual product life will vary based on electrical load, duty cycle, application, and environmental conditions)
Electrical Life	**Type DP**	100,000 operations
	Type DPA	200,000 operations
Duty Cycle		Continuous
Operating Temperature		0–65 °C (32–149 °F)
Slip-on Connector Rating		30 A, 75 °C wire
Approvals		UL Recognized File E3190 CCN NLDX2 / CSA Certified File LR25490 Class 3211 04

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Table 9: Replacement Coils for Class 8910 Type DPA

For Types	Full Load Amperes	Poles	Class 9998 Type [1]	Volt-Amperes	
				Inrush	Sealed
DP	50–60	2, 3	DA2	109	10
	75–90	2, 3	DA3	214	19
DP11–DP32	Coils are not replaceable.			33	8
DPA12–DPA44	Coils are not replaceable.			60	6

[1] Add the voltage code suffix from Table 10. For example, a 120 V, 60 Hz coil for an 8910DPA53V02 contactor is 9998DA2V02.

Figure 2: Coil Replacement, 50–60 A (no tools required)

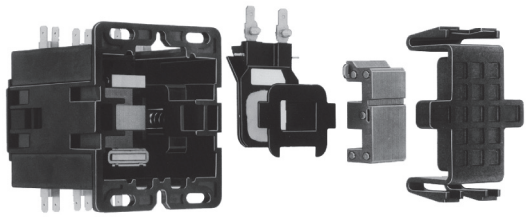


Table 10: Type DPA Coil Voltage Codes

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 (Type DPA contactors only)

Table 11: Power Terminals

Full Load Amperes	Power Terminals	
	Type of Lug	Wire Range, AWG solid or stranded copper wire only
20–30	binder head	16 – 8
40	box lug	14 – 4
50–60	box lug	14 – 2
75–90	box lug	14 – 1/0

Table 12: Mounting Attachment

Description	Class 9999 Type
DIN mounting bracket attachment	DMB1

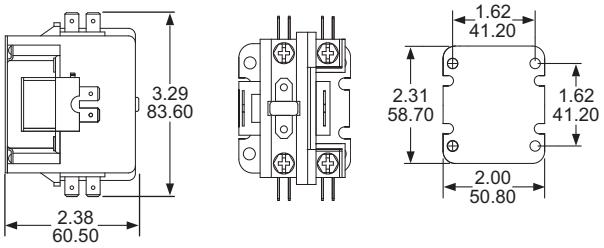
Factory Modifications

Table 13: Factory Modifications

Modification	**Form** (add to the catalog number after the voltage code)
Factory installed auxiliary contacts	*Contact your local Schneider Electric office.*
Pressure wire connectors (20–30 A)	Y122
Box lugs (20–30 A)	Y239
DIN mounting bracket attached, 35 mm style (available for 20–60 A devices only)	Y135

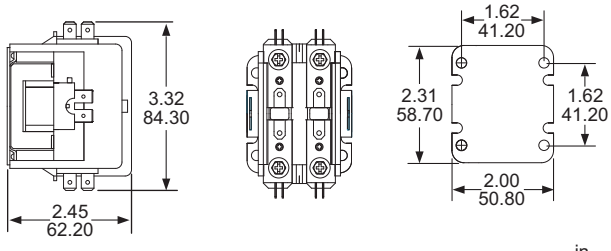
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Figure 3: Type DP, 1 Pole
20–40 Full Load Amperes



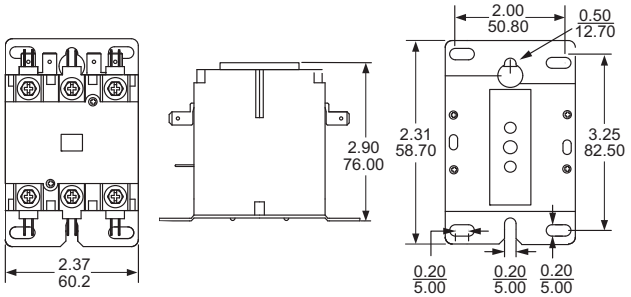
Dimensions: in. / mm

Figure 4: Type DP, 2 Pole
20–40 Full Load Amperes



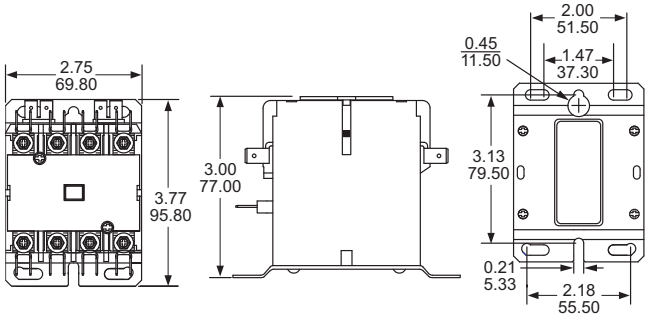
Dimensions: in. / mm

Figure 5: Type DPA, 2 and 3 Pole
20–40 Full Load Amperes



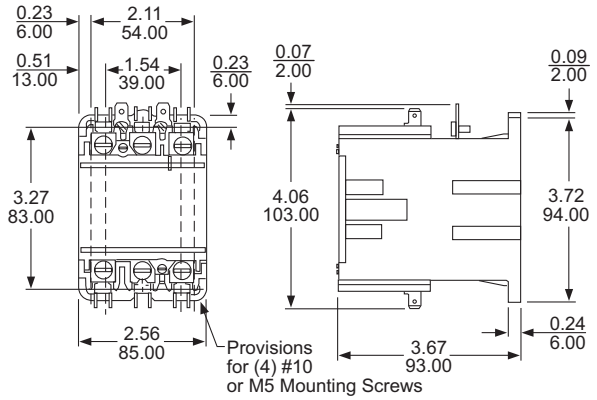
Dimensions: in. / mm

Figure 6: Type DPA, 4 Pole
20–40 Full Load Amperes



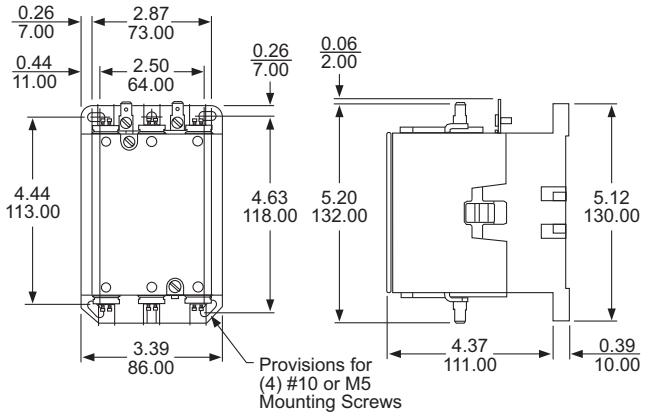
Dimensions: in. / mm

Figure 7: Type DPA, 2 and 3 Pole
50 and 60 Full Load Amperes



Dimensions: in. / mm

Figure 8: Type DPA, 2 and 3 Pole
75 and 90 Full Load Amperes



Dimensions: in. / mm

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