

Technical data

30A – 60A

1, 2, 3, & 4 Pole

Definite purpose
1
contactors

30A – 40A — 1 & 2 pole

Coil technical data	DP30C1P				DP30, DP40C2P			
	Nominal coil voltage	24	120	208/240	277	24	120	208/240
Maximum pickup volts	18	88	177	221	18	88	177	221
Drop-out volts range	6 – 15	20 – 70	40 – 170	50 – 165	6 – 15	20 – 70	40 – 140	50 – 165
Nominal inrush VA 50 Hz	31	31	35	31	22	22	22	22
Nominal inrush VA 60 Hz	28	28	32	28	20	20	20	20
Nominal sealed VA 50 Hz	6	6	7	6	5.5	5.5	5.5	5.5
Nominal sealed VA 60 Hz	5	5	6	5	4.5	4.5	4.5	4.5
Nominal DC resistance Ohms	17.5	450	1800	2252	13	275	1056	1772
Other specifications	DP30C1P				DP30, DP40C2P			
Line and load terminals	# 10 – 32 screw ①				Box lug ①			
Wire size AWG min – max	16 – 8 ②				14 – 4 Cu/Al			
Tightening torque (recommended)	25 in. lbs.				40 in. lbs			
Coil termination	Dual .250 QC (2)				Dual .250 QC (2)			
Quick connects .250 std. 1 – 1.5 pole	Quad				Quad			
Quick connects .250 std. 2 pole	Dual or quad				Dual or quad			
Covers	Optional				Standard			
Insulation system	130° C Class B				130° C Class B			

30A – 60A — 3 pole

Coil technical data	DP30, DP40C3P					DP60C3P				
	Nominal coil voltage	24	120	208/240	277	480	24	120	208/240	277
Maximum pickup volts	18	88	177	220	384	18	93	177	235	374
Drop-out volts range	6 – 15	20 – 70	40 – 140	65 – 185	150 – 270	6 – 15	20 – 70	40 – 135	50 – 180	150 – 286
Nominal inrush VA 50 Hz	65	65	65	65	65	140	140	140	140	140
Nominal inrush VA 60 Hz	60	60	60	60	60	132	132	132	132	132
Nominal sealed VA 50 Hz	7.5	7.5	7.5	7.5	7.5	20	20	20	20	20
Nominal sealed VA 60 Hz	6	6	6	6	6	14	14	14	14	14
Nominal DC resistance Ohms	6.6	165	660	880	1320	2.4	45	180	280	852
Other specifications	DP30C3P					DP40C3P				
Line and load terminals	# 10 – 32 Screw ①					Box lug ①				
Wire size AWG min – max	16 – 8 ②					14 – 7 Cu/Al				
Tightening torque (recommended)	25 in. lbs					40 in. lbs				
Quick connects: power terminals	Dual.250 QC					Dual.250 QC				
Coil terminals	Dual .250 QC (2)					Dual .250 QC (2)				
Covers	Optional					Standard				
Insulation system	130° C Class B					130° C Class B				

30A – 40A — 4 Pole

Coil technical data	DP30, DP40C4P					
	Nominal coil voltage	24	120	208/240	277	480
Maximum pickup volts	19.2	88	177	220	384	
Drop-out volts range	6 – 15	20 – 70	40 – 140	65 – 185	150 – 270	
Nominal inrush VA 50 Hz	68	68	58	58	48	
Nominal inrush VA 60 Hz	60	60	55	52	52	
Nominal sealed VA 50 Hz	14	14	11	11	11	
Nominal sealed VA 60 Hz	9	9	9.5	9.5	9	
Nominal DC resistance Ohms	5	148	550	750	2100	
Other specifications	DP30C4P			DP40C4P		
Line and load terminals	# 10 – 32 screw ①			Box Lug		
Wire size AWG Min – Max	16 – 8 ②			14 – 4 Cu/AL		
Tightening torque (recommended)	22 in. lbs			40 in. lbs		
Quick connects: power terminals	Dual .250 QC			Dual .250 QC		
Coil terminals	Dual .250 QC (2)			Dual .250 QC (2)		
Covers	Optional			Standard		
Insulation system	130° C Class B			130° C Class B		

① See page 1.82 to 1.85 for description and approximate dimensions.

② Stranding must be split for #8 wire.