

# Technical data

## 30A – 60A

### 1, 2, 3, & 4 Pole

Definite purpose  
contactors

1

#### 30A – 40A — 1 & 2 pole

Coil technical data		DP30C1P				DP30, DP40C2P			
Nominal coil voltage		24	120	208/240	277	24	120	208/240	277
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)		22 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		Standard				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	480
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		DP60C3P			
Line and load terminals		# 10 – 32 Screw ①				Box lug ①		Box lug ①			
Wire size AWG min – max		16 – 8 ②				14 – 7 Cu/Al		14 – 2 Cu/Al			
Tightening torque (recommended)		22 in. lbs				40 in. lbs		50 in. lbs			
Quick connects: power terminals		Dual.250 QC				Dual.250 QC		Dual.250 QC			
Coil terminals		Dual .250 QC (2)				Dual .250 QC (2)		#6 – 35 screw & .250 QC (2)			
Covers		Standard				Standard		Standard			
Insulation system		130° C Class B				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	68	68	68	
Nominal inrush VA	60 Hz	60	60	60	60	60	
Nominal sealed VA	50 Hz	14	14	14	14	14	
Nominal sealed VA	60 Hz	9	9	9	9	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.