

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 | 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.