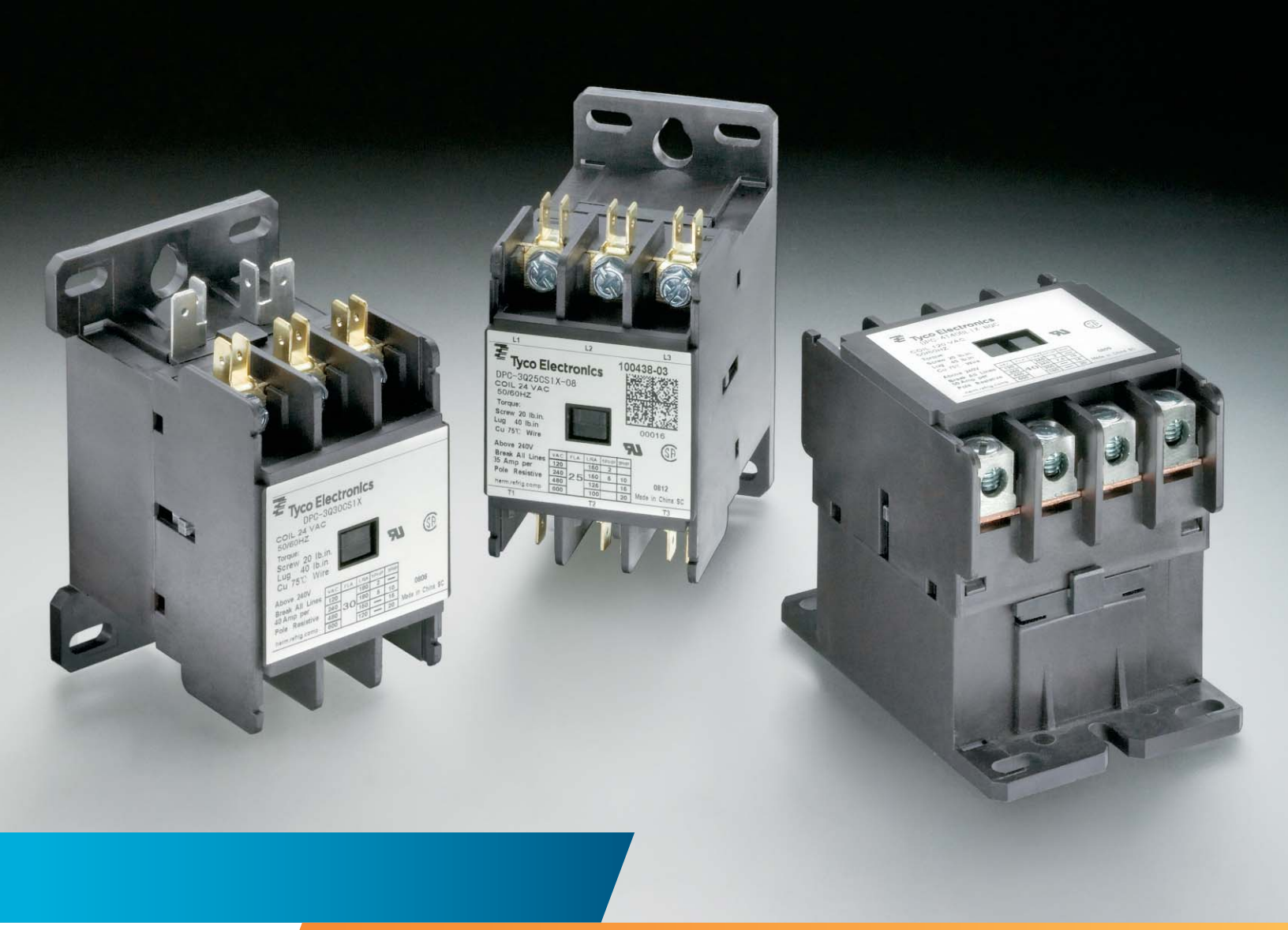


Introducing

DPC Series
Definite Purpose Contactors

Tyco Electronics

Our commitment. Your advantage.

DPC Series Definite Purpose Contactors

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KEY FEATURES

Three or four pole switching (main contacts) plus optional auxiliary contacts

Ratings from 20-40 full load amps, 30-50 amps resistive

Fully enclosed, efficient 50/60 Hz. coils

Standard arc cover

Integrated mounting plate

Space-saving plate available on three pole models

Quieter operation and less contact bounce than similar products

Max sealed VA of 6.5 for three pole, 7.0 for four pole

Various termination options

RoHS Ready

DESCRIPTION

Three and four pole definite purpose contactors offer ratings from 20 to 40 full load amps (FLA), 30 to 50 amps resistive.
Factory-installed or user-installable auxiliary switches are optional

APPLICATIONS

AC motor control and resistive element control in industrial machinery, HVAC equipment, elevators, commercial appliances and other systems.

MECHANICAL

Three pole models without auxiliary switches measure approximately 1.95 x 3.76 x 2.99 in. (49.7 x 95.6 x 76.0mm), with narrow base; 2.38 x 3.76 x 2.99 (60.3 x 95.6mm x 76.0mm) , with standard base.
Four pole models without auxiliary switches measure approximately 2.58 x 3.75 x 2.99 in. (65.5 x 95.2 x 76.0mm), including base.

STANDARDS AND SPECS

UL Recognized for the US and Canada, File E75492.
CSA Certified, File LR49598.
S Marked, Intertek ETL SEMKO Certificate 811687.
CE Marked

ELECTRICAL

Main Contact Ratings

Full Load Amps	Number of Poles	Line Voltage	Locked Rotor Amps	Resistive Amps Rating	Maximum Horsepower	
					Single Phase	Three Phase
20	3 or 4	120 240 480 600	120 120 100 80	30 30 30 30	1.5 3 – –	– 7.5 7.5 7.5
25	3 or 4	120 240 480 600	150 150 125 100	35 35 35 35	2 5 – –	- 10 15 20
30	3 or 4	120 240 480 600	180 180 150 120	40 40 40 40	2 5 – –	- 10 15 20
40	3 or 4	120 240 480 600	240 240 200 160	50 50 50 50	3 7.5 – –	– 10 20 25





ELECTRICAL (CONTINUED)

Coil Data

Nominal Inrush VA @ 50 Hz: 72 for Three Pole, 82 for Four Pole
Nominal Inrush VA @ 60 Hz: 64 for Three Pole, 73 for Four Pole
Nominal Sealed VA @ 50 Hz: 7 for Three Pole, 8 for Four Pole
Nominal Sealed VA @ 60 Hz: 6 for Three Pole, 7 for Four Pole



PRODUCT OFFERING

Typical Part No. >	DPC	-	3	Q	25	CS	1	3	

Series:
DPC = Definite Purpose Contactor

Packaging:
Y = Individual Pack – = Bulk Pack

Number of Poles:
3 = 3 Pole 4 = 4 Pole

Coil Voltage (50/60 Hz.):
Q = 24VAC U = 208/240VAC H = 480VAC
T = 120VAC V = 277VAC
Other AC coil voltages to 575V available, consult factory for details

Contact Ratings (FLA):
20 = 20 Amps 25 = 25 Amps 30 = 30 Amps 40 = 40 Amps

Main Contact Termination Type:
CS = Combo Screws SS = Sems Screws BL = Box Lugs
Various terminal types may be mixed on a unit, consult factory for details.

Coil Termination Type:
1 = Coil terminals up (toward keyhole on base)
2 = Coil terminals down (toward slot on base)
3 = Coil terminals up (toward keyhole on base) with #6-32 screw
4 = Coil terminals down (toward slot on base) with #6-32 screw

Contact Form and Material:
X = Form X (ST-NO-DM), Silver Cadmium Oxide R = Form X (ST-NO-DM), Silver Tin Oxide
Y = Form Y (ST-NC-DB), Silver Cadmium Oxide H = Form Y (ST-NC-DB), Silver Tin Oxide
S = Contact forms may be mixed on a unit, consult factory for details.

Customer and Option Codes:
Leave Blank = Standard part, no customer-specific options
3B = Two pole unit in a three pole base with the center pole open (must specify "3" in step 3 above)
QQC = Quad quick connects for main contact terminals (available on non-coil terminal side only)
NQC = No quick connects for main contact terminals
NB = Narrow Base (available on three pole model only)
DR = DIN rail mounting adapter
NCR = Normally closed auxiliary switch on right side
NCL = Normally closed auxiliary switch on left side
SAR = SPDT auxiliary switch on right side
SAL = SPDT auxiliary switch on left side
NONCR = Normally open/normally closed auxiliary switch on right side
NONCL = Normally open/normally closed auxiliary switch on left side
SNCR = SPDT aux. switch on left side, normally closed auxiliary switch on the right
SNCL = SPDT aux. switch on right side, normally closed auxiliary switch on the left
(3-digit numeric) = Factory-assigned customer number
Consult factory for other special requirements.

Note: All part numbers shown at right are RoHS compliant.

Note: Specifications and availablity are subject to change without notice. Consult data sheet 1-1773450-6 for detailed specifications.

FOR MORE INFORMATION

Technical Support

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