



Introducing DPC Series Definite Purpose Contactors

DPC Series

Definite Purpose

Contactors



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	120	30	1.5	-
		240	120	30	3	7.5
		480	100	30	-	7.5
		600	80	30	-	7.5
25	3 or 4	120	150	35	2	-
		240	150	35	5	10
		480	125	35	-	15
		600	100	35	-	20
30	3 or 4	120	180	40	2	-
		240	180	40	5	10
		480	150	40	-	15
		600	120	40	-	20
40	3 or 4	120	240	50	3	-
		240	240	50	7.5	10
		480	200	50	-	20
		600	160	50	-	25

DPC Series Definite Purpose Contactors



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 availability are subject to change without notice. Consult data sheet 1-1773450-6 for detailed specifications.

FOR MORE INFORMATION

Technical Support

Internet: www.tycoelectronics.com
E-mail: newproducts@tycoelectronics.com

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 52-55-1106-0800
C. America: 57-1-254-4444
South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-208-420-8341

Tyco Electronics Corporation
Harrisburg, PA

tycoelectronics.com

Copyright 2008 By Tyco Electronics Corporation
1-1773450-5—0.0M—KRG/PDF 09-08
The TE logo and Tyco Electronics are trademarks.

 **Tyco Electronics**
Our commitment. Your advantage.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[DPC-3U40BL1X](#) [DPC-3H40BL1X](#) [DPC-3Q25CS1X](#) [DPC-3Q30BL1X](#) [DPC-3Q30CS1X](#) [DPC-3Q40BL1X](#) [DPC-3T25CS1X](#) [DPC-3T30BL1X](#) [DPC-3T30CS1X](#) [DPC-3T40BL1X](#) [DPC-3U25CS1X](#)