

State of the art Manufacturing Facilities



Haridwar, Noida Ph-I
& Noida Ph-II Plant



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D P Contactor

Definite Purpose Contactor

Purpose

These contactors are used for control of Motors, Power Supplies, Heating Elements, Lighting & HVAC Fans and Compressors.

Environment

Maximum operating altitude: 2000 meters above sea level
 Operating temperature: -5°C to +55°C
 Ambient Air temperature: 40°C to +65°C
 Ambient air dampness around the device: 45 to 85% RH
 Coil apply voltage: 75% ~ 110% (50Hz)
 80% ~ 110% (60Hz)
 75% ~ 110% (50/60Hz)

Coil Data

Voltage : 24, 120, 208, 240, 277, 480 V AC 60 Hz
 Normal VA : Inrush 65 VA, Sealed 7.5 VA
 Duty Cycle : continuous
 Initial Insulation Resistance : 100 MΩ minimum

Technical Data

Expected Life : 200,000 operations on full load
 AC Coil : 2 million operations, mechanical
 Minimum contact data: 3A at 120V AC



1 Pole without Shunt

Full Load (Inductive) (A)	Locked Rotor (Per Pole) (A)			Resistive Rating (A)	Reference
	AC 240V / AC 277V	AC 480 V	AC 600 V		
25	150	50	40	30	TCDP251-XX
30	150	75	50	40	TCDP301-XX
40	240	200	160	50	TCDP401-XX

1 Pole with Shunt

Full Load (Inductive) (A)	Locked Rotor (Per Pole) (A)			Resistive Rating (A)	Reference
	AC 240V / AC 277V	AC 480 V	AC 600 V		
25	150	50	40	30	TCDP251S-XX
30	150	75	50	40	TCDP301S-XX
40	240	200	160	50	TCDP401S-XX

2 Pole

Full Load (Inductive) (A)	Locked Rotor (Per Pole) (A)			Resistive Rating (A)	Reference
	AC 240V / AC 277V	AC 480 V	AC 600 V		
20	120	100	80	30	TCDP202-XX
30	150	125	100	40	TCDP302-XX
40	240	200	150	50	TCDP402-XX

3 Pole

Full Load (Inductive) (A)	Locked Rotor (Per Pole) (A)			Resistive Rating (A)	Reference
	AC 240V / AC 277V	AC 480 V	AC 600 V		
20	120	100	80	30	TCDP203-XX
25	150	125	100	35	TCDP253-XX
30	180	150	120	40	TCDP303-XX
40	240	200	160	50	TCDP403-XX

Please replace XX with coil voltage code from the table given below.

Coil Voltage

Volt AC	24	120	208	240	277	480
50 Hz	B5	G5	L5	U5	W5	T5
60 Hz	B6	G6	L6	U6	W6	T6
50/60 Hz	B7	G7	L7	U7	W7	T7

Contactor	Dimensional Drawings	Mounting Arrangement
1 Pole		
2 Pole		
3 Pole		

All dimensions are in mm