

## DP CONTACTORS



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# SHAMROCK CONTROLS

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# 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

# Definite Purpose Contactor

### 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



Your business is our Number One priority.



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