

www.controlsindia.com

Definite Purpose Contactors

Controls & Switchgear Contactors Ltd.

Corporate Office : 222, Okhla Industrial Estate, Phase-III, New Delhi - 110 020
Tel. : +91-11-3088 7520 - 29, Fax: +91-11-2684 7154, 2682 9063

Central Marketing Office : Tel. : +91-11-3088 7520-29, Fax: +91-11-2684 8241, 2684 7342
email : cmo@controlsindia.com, info@controlsindia.com

International Business Division : Tel. : +91-11-3088 7520-29, Fax: +91-11-2683 8291, 2684 8241
email : exports@controlsindia.com



Definite Purpose Contactors 1, 2 & 3 Poles

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
 Ambient Air Temp: - 40 degree to + 65 degree C
 Ambient air dampness around the device: 45 to 85% RH
 Coil apply voltage: 80% - 105% rate voltage

Approvals :

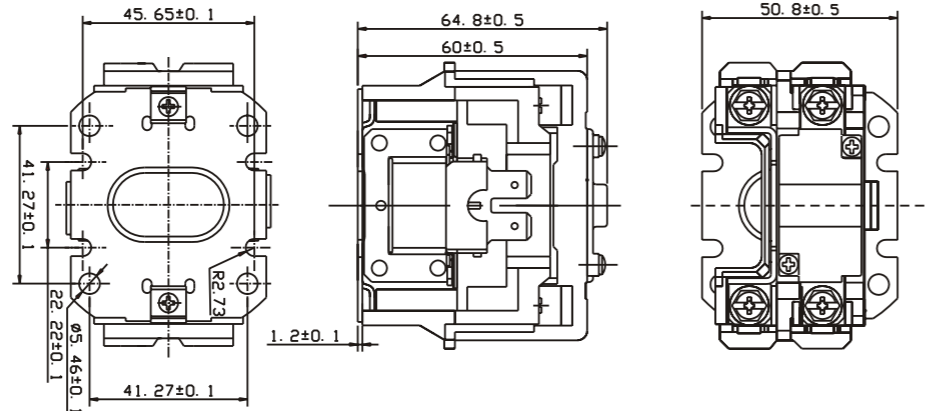
UL, CSA

Coil Data :

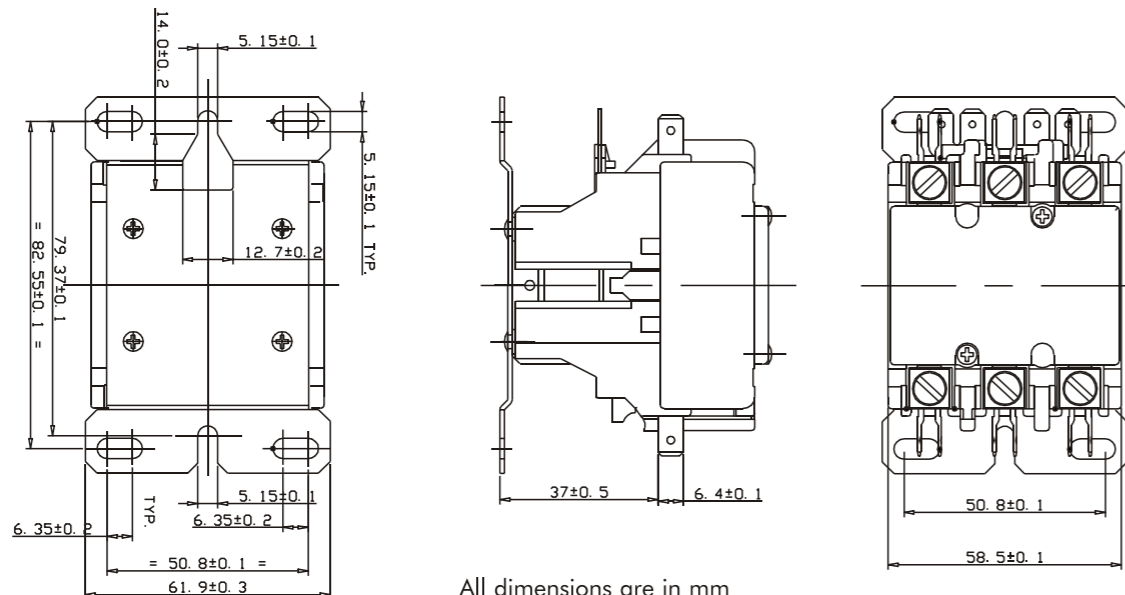
Voltage : 24, 120, 208, 240, 277, 480 VAC 60 Hz
 Normal VA : Inrush 65VA, Sealed 7.5VA
 Duty Cycle : continuous
 Initial Insulation Resistance : 100-mega ohms minimum.

Dimensional Drawings & Mounting Arrangements :

1 Pole: (Shown)
 2 Pole: Shares the same mounting foot and terminal spacing



3 Pole (Shown)



All dimensions are in mm



Technical Data Sheet :

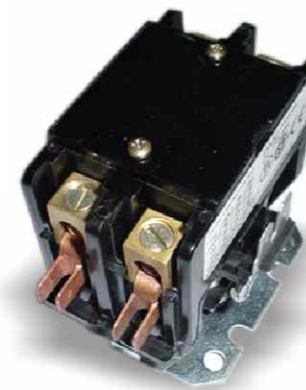
Expected Life : 200,000 Operations on full load
 AC Coil: 2 Million operations, mechanical
 Minimum Contact data: 3A @ 120V AC

1 Pole without Shunt

Full Load (A) (Inductive)	Locked Rotor (Per Pole) Amps			Resistive Amps Rating	Catalogue Number
	AC 240 V AC 277 V	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 (A) (Inductive)	Locked Rotor (Per Pole) Amps			Resistive Amps Rating	Catalogue Number
	AC 240 V AC 277 V	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 (A) (Inductive)	Locked Rotor (Per Pole) Amps			Resistive Amps Rating	Catalogue Number
	AC 240 V AC 277 V	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 (A) (Inductive)	Locked Rotor (Per Pole) Amps			Resistive Amps Rating	Catalogue Number
	AC 240 V AC 277 V	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:

Volts AC	24	120	208	240	277	480
50 Hz	B5	G5	L5	U5	W5	T5
60 Hz	B6	G6	L6	U6	W6	T6

