

# Definite Purpose Contactors

## Characteristics & Dimensions

### 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 supply voltage: 80% - 110% rated voltage

### Coil Data

Voltage : 24, 120, 240 VAC 50 & 60 Hz  
 Normal VA : Inrush 65VA, Sealed 7.5VA  
 Duty Cycle : continuous  
 Initial Insulation Resistance : 100-mega ohms minimum.

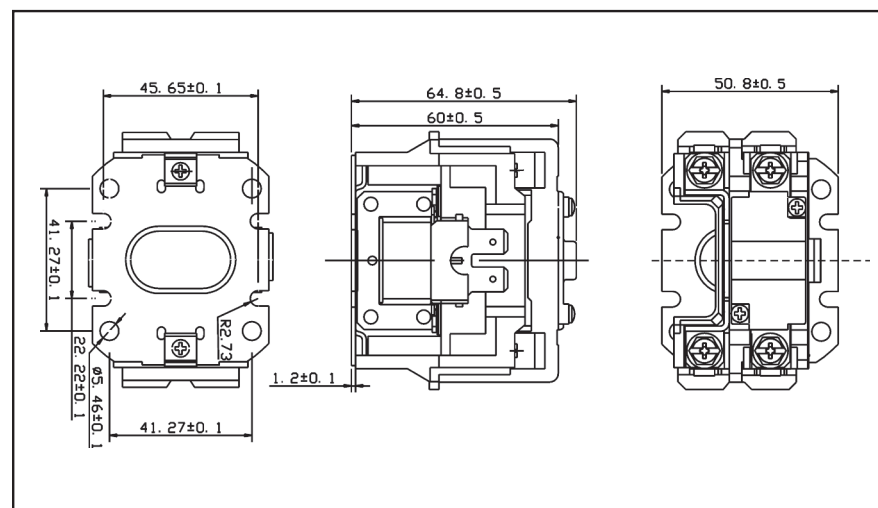
### Approvals



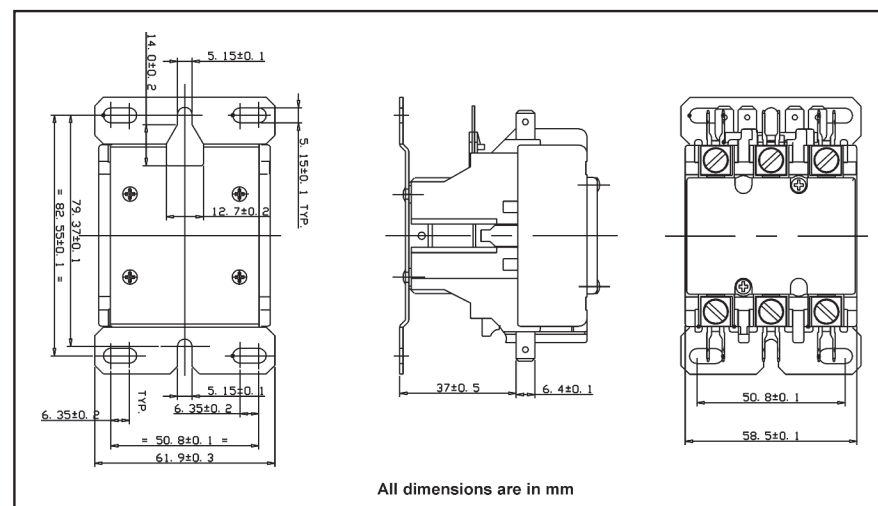
### Dimensional Drawings & Mounting Arrangements :

1 Pole: (Shown)

2 Pole: Shares the same mounting foot and terminal spacing



### 3 Pole (Shown)



All dimensions are in mm

# Definite Purpose Contactors

## Technical Specifications



TCDP251SXX



TCDP202XX



TCDP203XX

### Approvals



### 1 Pole without Shunt

| Full Load Amps.<br>(Inductive) | Locked Rotor (Per Pole) |         |         | Resistive<br>Amps Rating | Catalog<br>Number |
|--------------------------------|-------------------------|---------|---------|--------------------------|-------------------|
|                                | AC 240V<br>AC 277V      | AC 480V | AC 600V |                          |                   |
| 25                             | 150                     | 50      | 40      | 30                       | TCDP251XX         |
| 30                             | 150                     | 75      | 50      | 40                       | TCDP301XX         |
| 40                             | 240                     | 200     | 160     | 50                       | TCDP401XX         |

### 1 Pole with Shunt

| Full Load Amps.<br>(Inductive) | Locked Rotor (Per Pole) |         |         | Resistive<br>Amps Rating | Catalog<br>Number |
|--------------------------------|-------------------------|---------|---------|--------------------------|-------------------|
|                                | AC 240V<br>AC 277V      | AC 480V | AC 600V |                          |                   |
| 25                             | 150                     | 50      | 40      | 30                       | TCDP251SXX        |
| 30                             | 150                     | 75      | 50      | 40                       | TCDP301SXX        |
| 40                             | 240                     | 200     | 160     | 50                       | TCDP401SXX        |

### 2 Pole

| Full Load Amps.<br>(Inductive) | Locked Rotor (Per Pole) |         |         | Resistive<br>Amps Rating | Catalog<br>Number |
|--------------------------------|-------------------------|---------|---------|--------------------------|-------------------|
|                                | AC 240V<br>AC 277V      | AC 480V | AC 600V |                          |                   |
| 20                             | 120                     | 100     | 80      | 30                       | TCDP202XX         |
| 30                             | 150                     | 125     | 100     | 40                       | TCDP302XX         |
| 40                             | 240                     | 200     | 150     | 50                       | TCDP402XX         |

### 3 Pole\*

| Full Load Amps.<br>(Inductive) | Locked Rotor (Per Pole) |         |         | Resistive<br>Amps Rating | Catalog<br>Number |
|--------------------------------|-------------------------|---------|---------|--------------------------|-------------------|
|                                | AC 240V<br>AC 277V      | AC 480V | AC 600V |                          |                   |
| 20                             | 120                     | 100     | 80      | 30                       | TCDP203XX         |
| 25                             | 150                     | 125     | 100     | 35                       | TCDP253XX         |
| 30                             | 180                     | 150     | 120     | 40                       | TCDP303XX         |
| 40                             | 240                     | 200     | 160     | 50                       | TCDP403XX         |

\* Auxiliary contact block 1NO + 1NC side mount (TA8DP11) factory fitted available on request.

### Replace XX with voltage code from table-1

| Table-1: XX-AC Coil Voltages |    |     |     |     |     |     |
|------------------------------|----|-----|-----|-----|-----|-----|
| Volt AC                      | 24 | 120 | 208 | 240 | 277 | 480 |
| 50 Hz                        | B5 | G5  | L5  | U5  | W5  | T5  |
| 60 Hz                        | B6 | G6  | L6  | U6  | W6  | T6  |

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