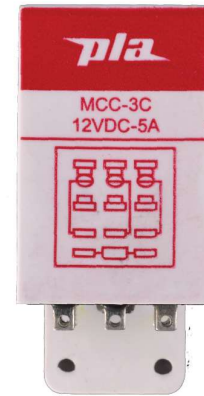


| TYPE                                                      |                 | MCC                                                |     |
|-----------------------------------------------------------|-----------------|----------------------------------------------------|-----|
| TERMINAL TYPE                                             |                 | Solder                                             |     |
| CONTACT CONFIGURATION                                     |                 | 1C / 2C / 3C                                       |     |
| RATED CARRYING CURRENT<br>(RESISTIVE) AT 24 VDC / 250 VAC |                 | 5A                                                 | 10A |
| CONTACT MATERIAL                                          |                 | Silver alloy                                       |     |
| INITIAL CONTACT RESISTANCE (MAX)                          |                 | 0.050 $\Omega$                                     |     |
| COIL NOMINAL<br>VOLTAGES                                  | DC              | 6-220 V                                            |     |
|                                                           | AC              | 12-240V @ 50Hz                                     |     |
| OPERATING POWER (MIN-MAX) FOR<br>DC COIL                  |                 | 0.72 - 1.21 W                                      |     |
| OPERATING POWER (MIN-MAX) FOR<br>AC COIL                  |                 | 2.02 - 2.43 VA                                     |     |
| DIELECTRIC<br>STRENGTH<br>BETWEEN                         | OPEN CONTACT    | 1500 VAC                                           |     |
|                                                           | COIL TO CONTACT | 2000 VAC                                           |     |
| INSULATION RESISTANCE AT 500<br>VDC AT 27°C & 65% RH      |                 | 100 M $\Omega$                                     |     |
| OPERATE TIME (MAX)                                        |                 | 20 ms                                              |     |
| RELEASE TIME (MAX)                                        |                 | 10 ms                                              |     |
| AMBIENT TEMPERATURE                                       |                 | -25°C To +55°C                                     |     |
| ELECTRICAL LIFE (NO OF OPERATIONS)                        |                 | 10 <sup>5</sup>                                    |     |
| MECHANICAL LIFE (NO OF OPERATIONS)                        |                 | 10 <sup>7</sup>                                    |     |
| ALL DIMENSIONS ARE IN mm (W x L x H)                      |                 | 29.0 x 43(+15.5) x 34.5                            |     |
| MAX WEIGHT IN GRAMS                                       |                 | 53 gms (approx)                                    |     |
| STANDARDS                                                 |                 | Meeting as Per IEC 61810-1<br>JSS-50711 & JSS50101 |     |



## SALIENT FEATURES

- Elegant / Sturdy and Light Weight
- High Reliability

## APPLICATIONS

- Machine Tools
- Textile Machines
- Bio-medical Instruments & Appliances
- Control Panels
- Industrial & Consumer electronics
- Instrumentation
- Temperature Controllers
- Electrical Equipments & Appliances
- Stabilizers
- Automation & Remote Control Systems

**NOTE:-** 1) This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) All Specification / Dimensions subject to Tolerance.

3) Contact form 1 A and 1 B available on request.

4) Any Techno commercial changes / are prerogative of Manufacturer / Management of the company which can be done without any notice.

## COIL – DATA (5A / 10A- MCC) (ALL VALUES AT 27°C ± 2°AMBIENT, COLD START)

| NOMINAL<br>VOLTAGE (V) | RESISTANCE IN OHM'S ± 10%<br>Ω |          | MUST OPERATE<br>VOLTAGE (V) | MUST RELEASE<br>VOLTAGE (V) | OPERATING POWER FOR COIL |         |
|------------------------|--------------------------------|----------|-----------------------------|-----------------------------|--------------------------|---------|
|                        | DC RELAY                       | AC RELAY |                             |                             | DC (W)                   | AC (VA) |
| 6                      | 30                             | 7        | 4.8                         | 0.6                         | 1.2                      | 2.06    |
| 12                     | 1C                             | 200      | -                           | 9.6                         | 1.2                      | 0.72    |
|                        | 2C                             | 200      | 30                          | 9.6                         | 1.2                      | 0.72    |
|                        | 3C                             | 150      | -                           | 9.6                         | 1.2                      | 0.96    |
| 18                     | 390                            | -        | 14.4                        | 1.8                         | 0.83                     | -       |
| 24                     | 500                            | 110      | 19.2                        | 2.4                         | 1.15                     | 2.09    |
| 48                     | 2.25k                          | 440      | 38.4                        | 4.8                         | 1.02                     | 2.09    |
| 110                    | 10k                            | 2.4k     | 88                          | 11                          | 1.21                     | 2.02    |
| 220                    | 40k                            | -        | 176                         | 22                          | 1.21                     | -       |
| 240                    | -                              | 9.5k     | 192                         | 24                          | -                        | 2.43    |
| 250                    | 50k                            | -        | 200                         | 25                          | 1.25                     | -       |
| 400                    | -                              | 27k      | 320                         | 40                          | -                        | 2.37    |

## ORDERING CODE FOR RELAY

**MCC** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Series Name \_\_\_\_\_

Solder Type : - \_\_\_\_\_

No. Of Contacts 1 / 2 / 3 \_\_\_\_\_

Configuration  
Changeover - C \_\_\_\_\_

Coil Voltage 6V / 12V / 18V / 24V / 48V / 110V /  
220V / 240V / 250V / 400V \_\_\_\_\_

Coil AC - A DC - D \_\_\_\_\_

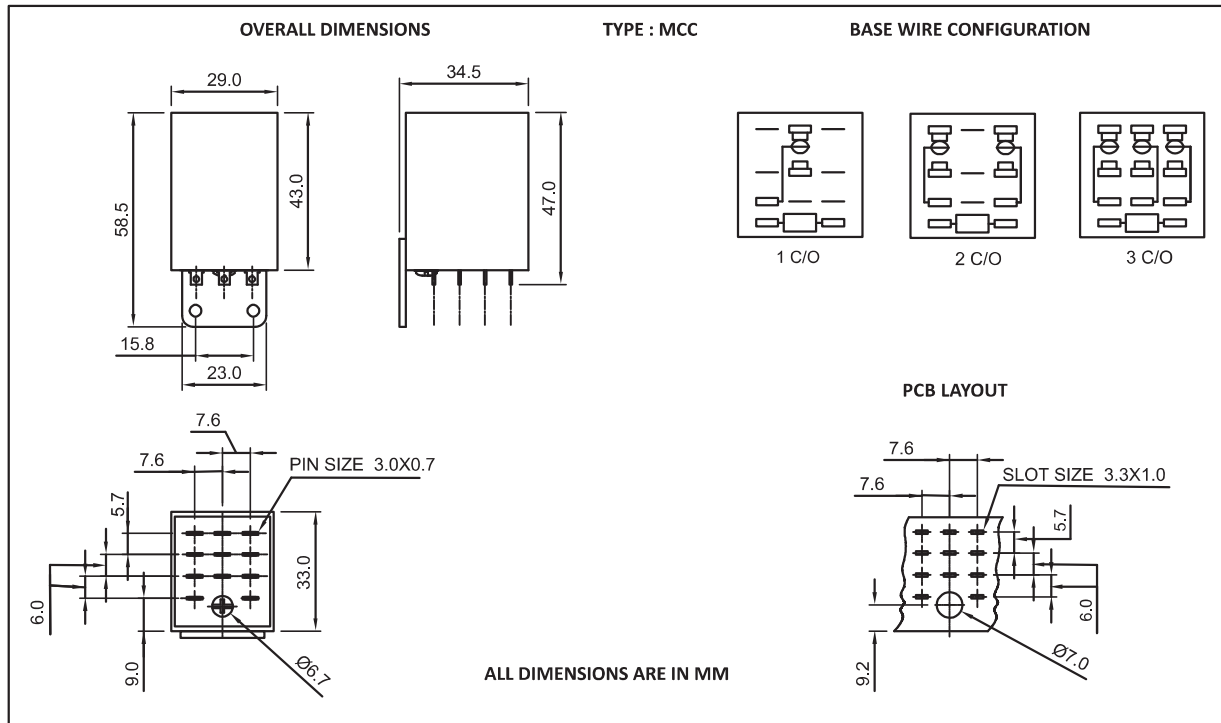
Rated carrying current  
5 A / 10 A \_\_\_\_\_

Additional Feature \_\_\_\_\_

Special Features \_\_\_\_\_



## DIMENSIONS



**NOTE :-** 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be  $\pm 0.2\text{mm}$   
Outline dimension 1mm and 5mm, tolerance should be  $\pm 0.3\text{mm}$  Outline dimension 5mm tolerance should be  $\pm 0.4\text{mm}$   
2) The tolerance without indicating for PCB layout is always  $\pm 0.2\text{mm}$