

# MCC - O / OLC SERIES RELAYS

MCC - O Formerly Known as OLC series



## TECHNICAL SPECIFICATIONS

| TYPE   |                 | MCC - O / OLC                                   |
|--|-----------------|---|
| TERMINAL TYPE  |                 | Solder  |
| CONTACT CONFIGURATION                                  |                 | 2C / 3C   |
| RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC |                 | 10A (transparent cover)                         |
| CONTACT MATERIAL                                       |                 | Silver alloy                                    |
| INITIAL CONTACT RESISTANCE (MAX)                       |                 | 0.050 Ω   |
| COIL NOMINAL VOLTAGES                                  | DC              | 6-220 V   |
|  | AC              | 6-240 V @50Hz                                   |
| OPERATING POWER (MIN-MAX) FOR DC COIL                  |                 | 0.72 - 1.21 W                                   |
| OPERATING POWER (MIN-MAX) FOR AC COIL                  |                 | 2.02 - 2.43 VA                                  |
| DIELECTRIC STRENGTH BETWEEN                            | OPEN CONTACT    | 1500 VAC  |
|  | COIL TO CONTACT | 2000 VAC  |
| INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH      |                 | 100 MΩ  |
| 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>6</sup>                                 |
| ALL DIMENSIONS ARE IN mm (W x L x H)                   |                 | 28.0 x 42(+10.0) x 32.5 (+6.5)                  |
| MAX WEIGHT IN GRAMS                                    |                 | 48 gms (approx)                                 |
| STANDARDS  |                 | Meeting as Per IEC 61810-1 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

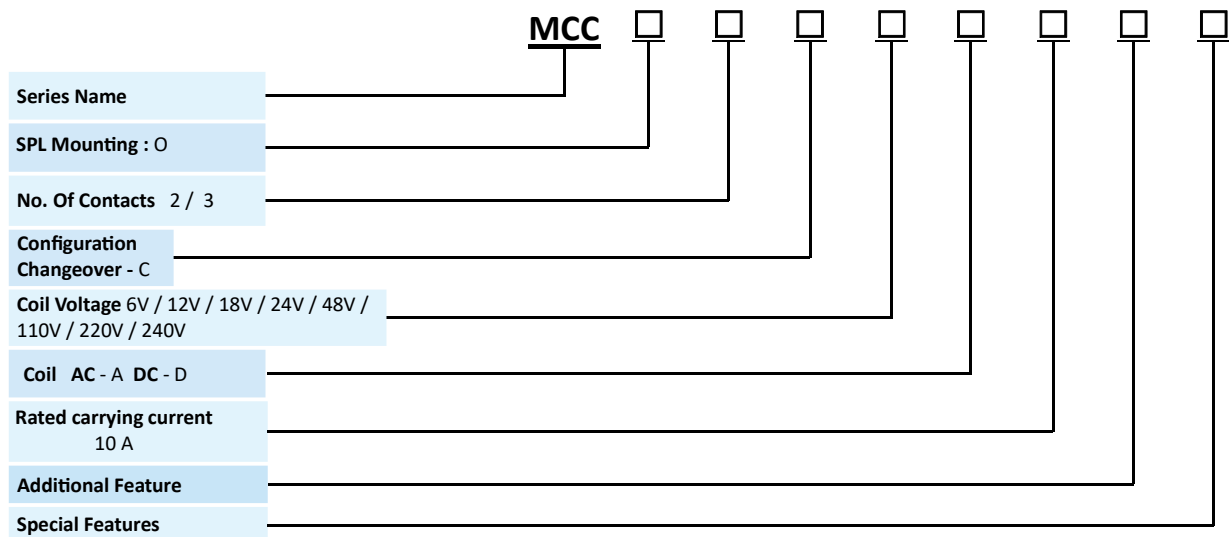
### NOTE:-

- 1) All Specification / Dimensions subject to Tolerance.
- 2) MCC-O 10 A with Transparent cover is formerly known as OLC available in 2C / 3C.
- 3) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice.

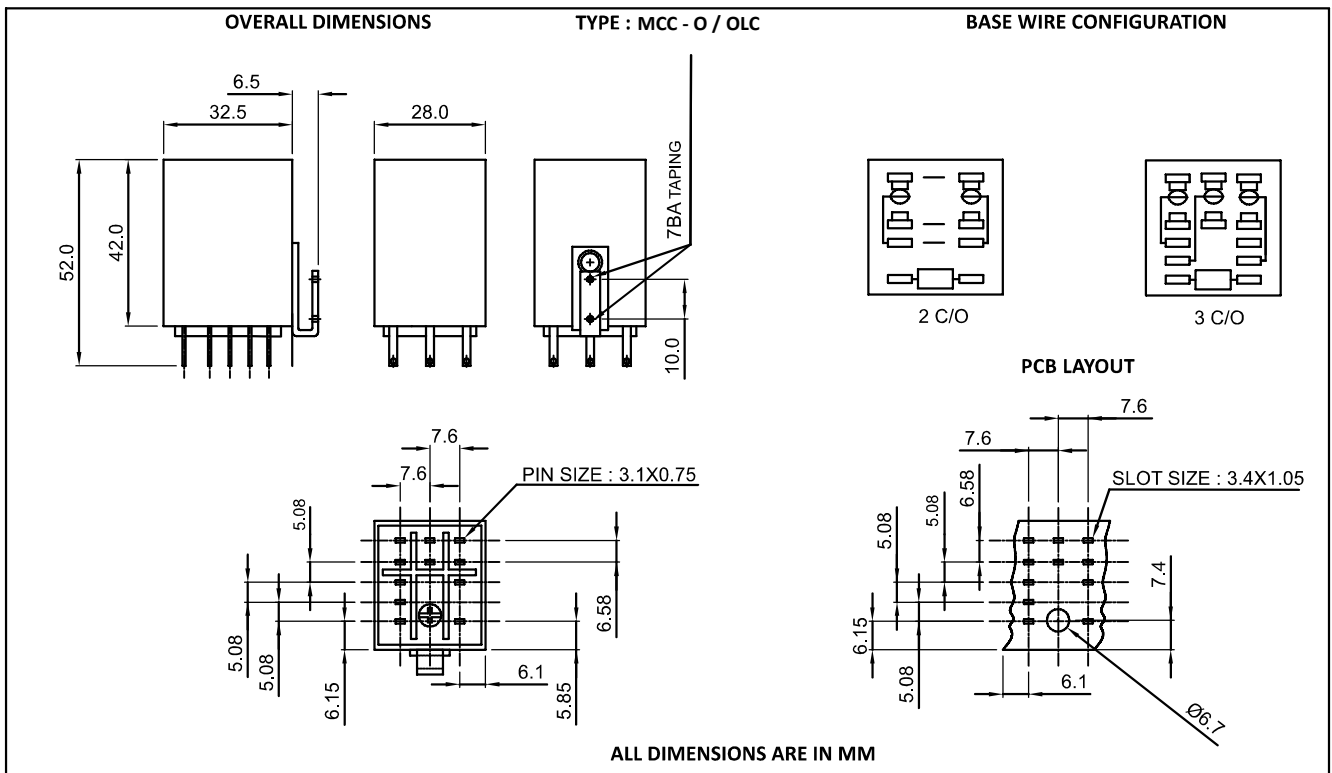
## COIL – DATA (10 A - MCC - O) (ALL VALUES AT 27°C ± 2° AMBIENT, COLD START)

| NOMINAL VOLTAGE (V) | RESISTANCE IN OHM'S ± 10%<br>Ω |          | MUST OPERATE VOLTAGE (V) | MUST RELEASE 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 & 2C                        | 200      | 30                       | 9.6                      | 1.2                      | 1.92    |
|                     | 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    |
| 240                 | -                              | 9.5k     | 192                      | 24                       | -                        | 2.43    |

## ORDERING CODE FOR RELAY



## DIMENSIONS



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



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