

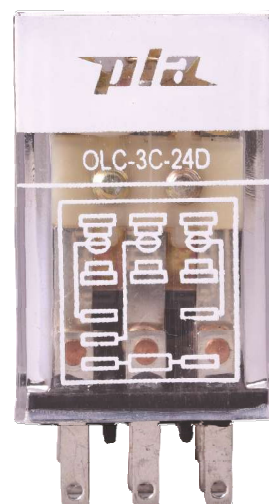
# MCC - O / OLC SERIES RELAYS

MCC - O (Formerly Known as OLC series.)



## TECHNICAL SPECIFICATIONS

TYPE		MCC - O / OLC	
TERMINAL TYPE		Solder	
CONTACT CONFIGURATION		2A / 2C	3C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10Amp	10Amp
HEAVY DUTY RELAY RATED CARRYING CURRENT AT 220 VDC		10Amp	-
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 $\Omega$	
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 V <sub>RMS</sub>	
	COIL TO CONTACT	2000 V <sub>RMS</sub>	
INSULATION RESISTANCE AT 500 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>6</sup>	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		28.0 x 42(+10.0) x 32.5 (+6.5)	
MAX WEIGHT IN GRAMS (APPROX.)		48 gms	
STANDARDS		IEC 61810-1 JSS-50711 & JSS50101	



(Photo For Representation Purpose Only)



## 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
- Battery Charging Units

**NOTE :-** 1) MCC-O 2C/3C (10A) is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) Recommended socket :- **MCC-OS DR 8/11**

3) MCC-O 10A With transparent cover is formerly known as OLC available in 2C / 3C.

4) \*Relay with **Arc suppressor (HMCC-O)** Available in **10A / 16A** @220VDC with 2 Changeover (**2C**) contact

5) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice



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

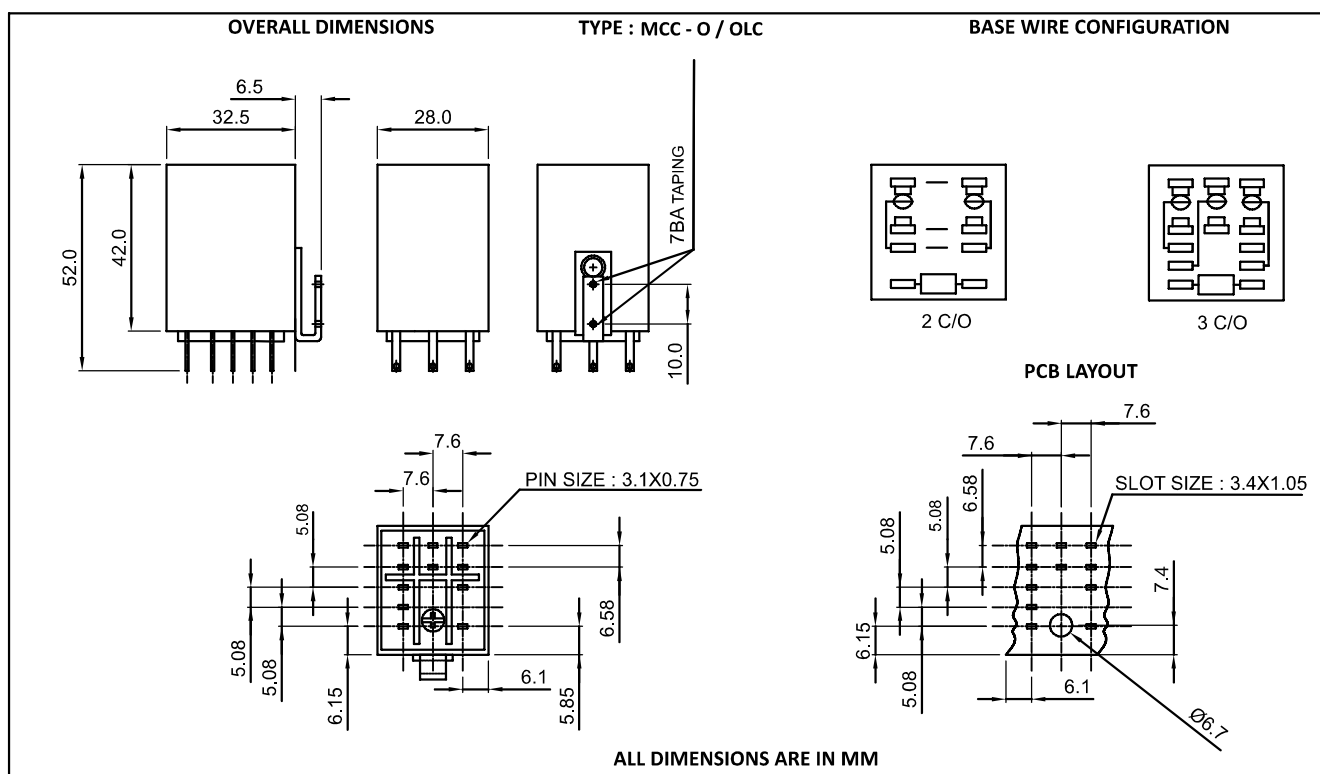
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
6	30	7	4.8	0.6	1.2	2.06
12	1C & 2C	200	30	9.6	1.2	1.92
	3C	150	-	9.6	1.2	-
18	390	-	14.4	1.8	0.83	-
24	500	110	19.2	2.4	1.15	2.09
48	2.25k	440	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

Heavy Duty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Series Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPL Mounting : O	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No. Of Contacts 2 / 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configuration A/C Changeover - C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coil Voltage 6V / 12V / 18V / 24V / 48V / 110V / 220V / 240V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coil AC - A DC - D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rated carrying current 10A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special Features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## 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  $\pm 0.2\text{mm}$



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