

# LPR 40E SERIES RELAYS



## TECHNICAL SPECIFICATIONS

TYPE		LPR 40E	
TERMINAL TYPE		SOLDER / LUGS	TERMINAL WITH LUGS
CONTACT CONFIGURATION		1C	2N/O , 2N/C 3N/O , 3N/C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		40A	
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-110 V	
	AC	240 V	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		4.9 VA	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V <sub>RMS</sub>	
	COIL TO CONTACT	2000 V <sub>RMS</sub>	
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH		500 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25°C To +55°C	
ELECTRICAL LIFE (NO OF OPERATIONS)		50000	
MECHANICAL LIFE (NO OF OPERATIONS)		10 <sup>6</sup>	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		49 x 56(+10) x 48	45 x 57(+10) x 47.5
MAX WEIGHT IN GRAMS (APPROX.)		90 gms	
MOUNTING		Molded base plate	Metalic base plate



(Photo For Representation Purpose Only)



## SALIENT FEATURES

- Compact Size
- Elegant
- Reliable
- Heavy Duty

## APPLICATIONS

- Furnace Controls
- Voltage Stabilizer
- Process Controls
- Inventors
- Heaters
- Vending Machines
- Domestic Appliance
- Temperature Controllers

**NOTE :-** 1) Recommended Socket :- PRS - 1 : Only for 2N/O , 2N/C , 3N/O , 3N/C

2) All Specification / Dimensions subject to Tolerance.

3) Molded base plate available only in 1C configuration

4) Metal base plate available in 2N/O , 2N/C , 3N/O , 3N/C configuration

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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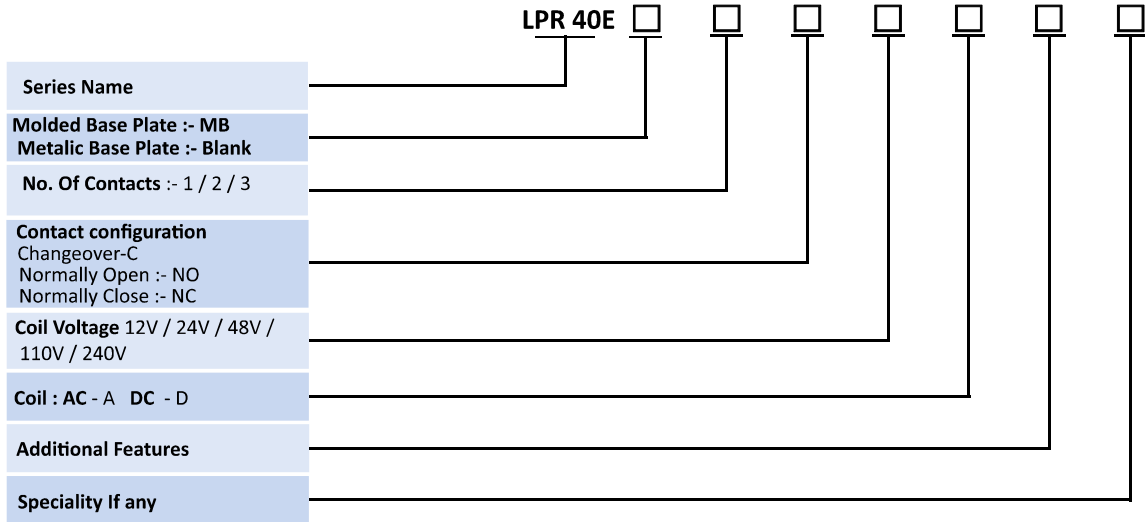


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## COIL – DATA ( ALL VALUES AT 27°C ± 2° AMBIENT, COLD START)

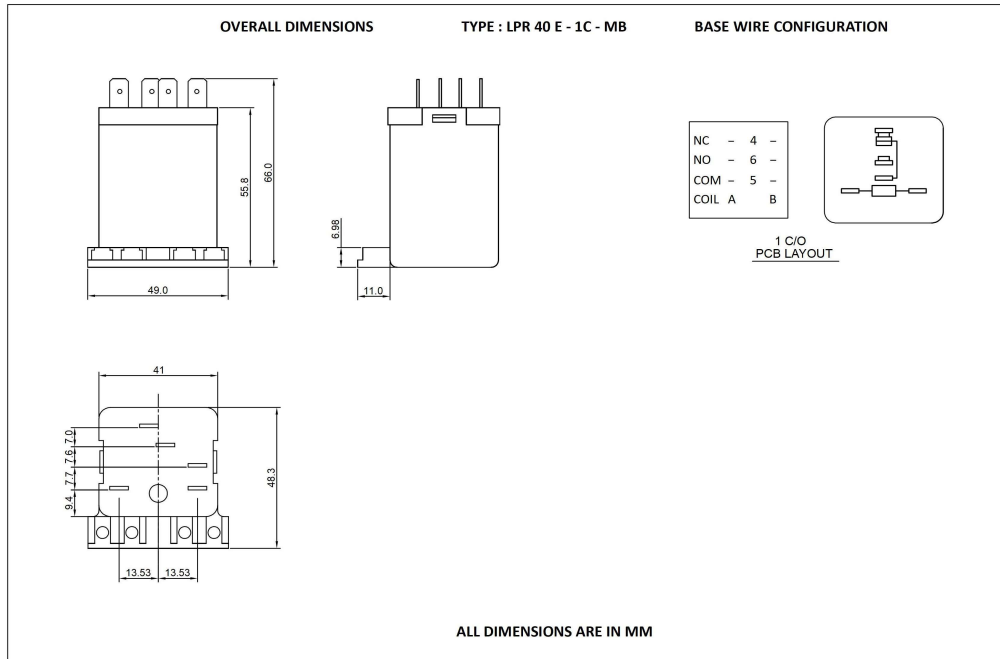
NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL (W)
	DC	AC			
12	74	-	4.5	0.6	1.94 W
24	260 / 300	-	6.8	0.9	2.21 W
48	1.2k	-	9.0	1.2	1.92 W
110	5.5k	-	13.5	1.8	2.2 W
240	-	4.7k	18.0	2.4	4.9 VA

## ORDERING CODE FOR RELAY



## DIMENSIONS

(WITH MOLDED BASE)



**NOTE :-** 1) In case no tolerance shown in outline dimensions :

Outline dimension 1mm, tolerance should be ±0.2mm

Outline dimension 1mm and 5mm, tolerance should be ±0.3mm

Outline dimension 5mm tolerance should be ±0.4mm

2) The tolerance without indicating for PCB layout is always ±0.2mm



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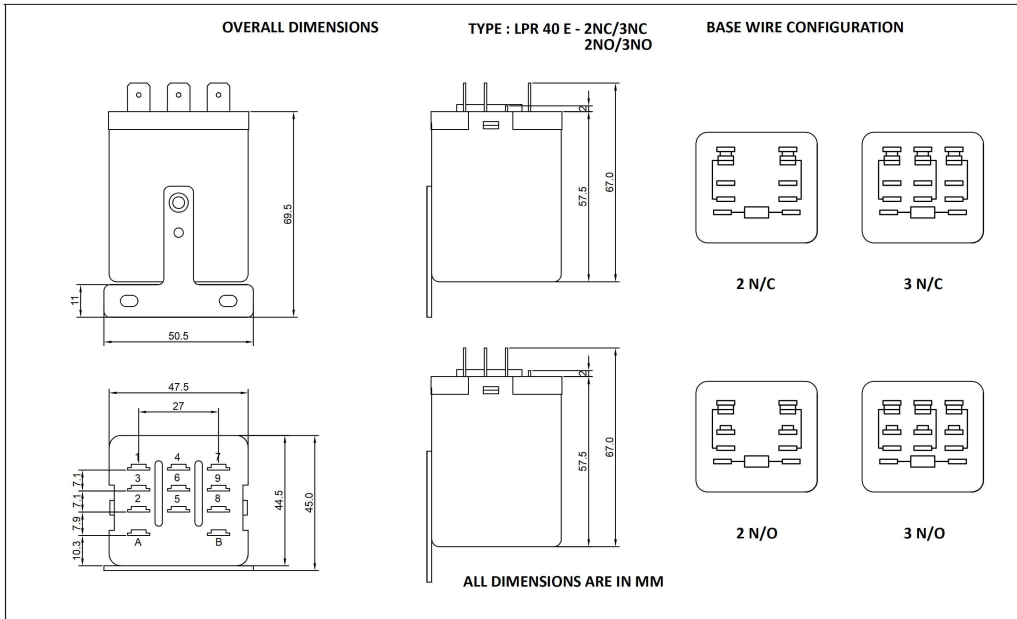
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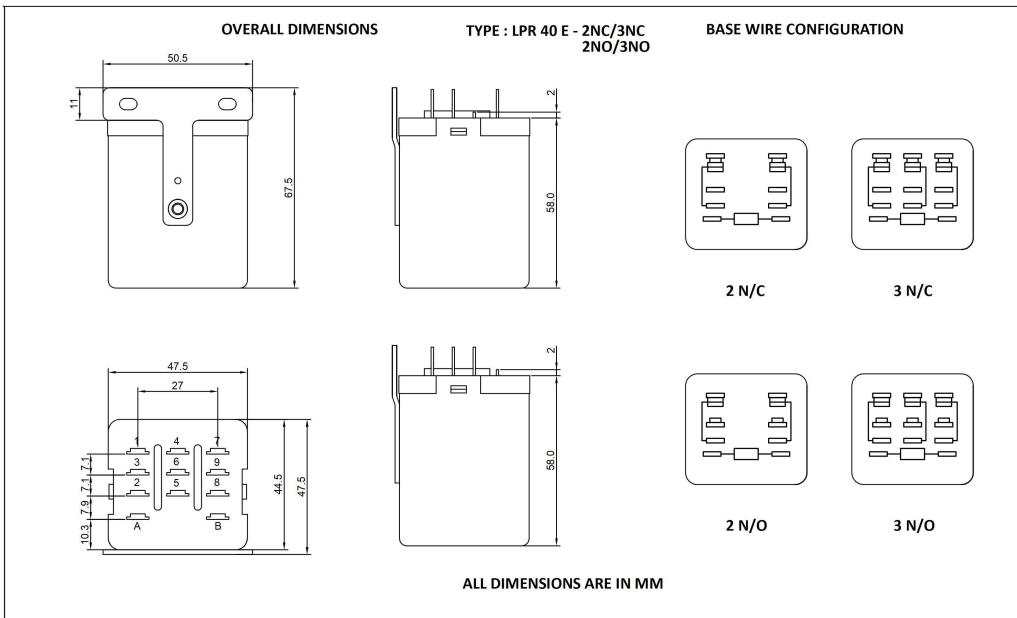
## DIMENSIONS

### (WITH REGULAR BASE PLATE)



## DIMENSIONS

### (WITH REVERSE BASE PLATE)



**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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