

HP 40 / LPR 40 SERIES RELAYS



TECHNICAL SPECIFICATIONS

TYPE		LPR 40
TERMINAL TYPE		1C Screw terminals 2C / 3C Lugs
CONTACT CONFIGURATION		1C, 2C, 3C 1 N/O, 2 N/O, 3 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 240 VAC		40A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12-220 V
	AC	24-240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W
OPERATING POWER (MIN-MAX) FOR AC COIL		3.72 - 4.76 VA
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 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 ⁵
MECHANICAL LIFE (NO OF OPERATIONS)		10 ⁶
ALL DIMENSIONS ARE IN mm (W x L x H)		41.5 x 64.8(+11.5) x 40.0
MAX WEIGHT		125gms
MOUNTING		Metallic base plate
STANDARDS		Meeting as Per IEC 61810-1



SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

- | | | |
|----------------------|---------------------|--------------------|
| • Furnace Controls | • Voltage Stabilize | • Process Controls |
| • Inverters | • Motor Starters | • Vending Machines |
| • Domestic Appliance | • Air Conditioners | |

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

2) 40 Ampere Relay With 50000 Operation (LPR 40E) Also Available

3) Recommended Socket : - PRS S 1

4) All Specification / Dimensions subject to Tolerance.

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

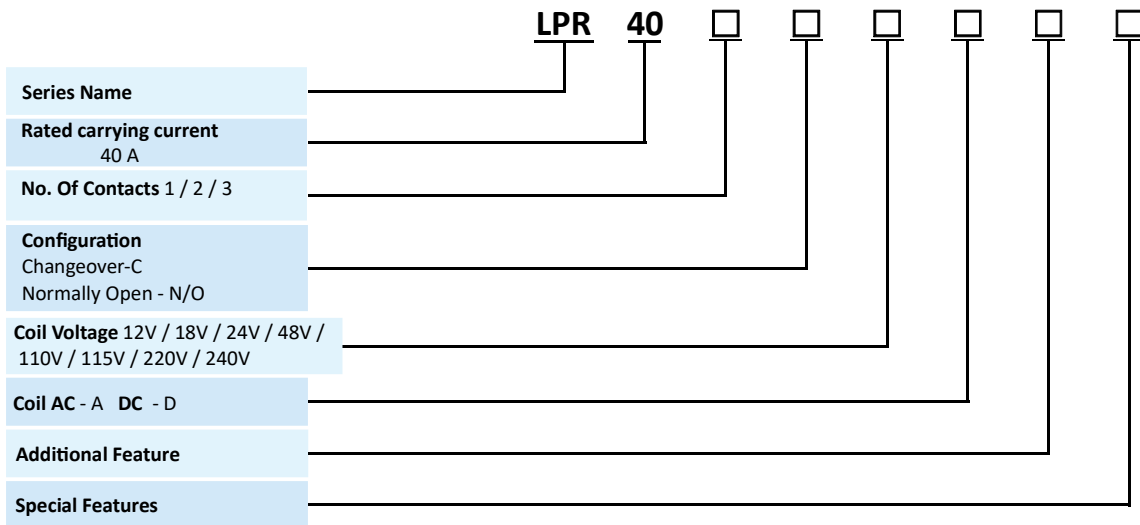


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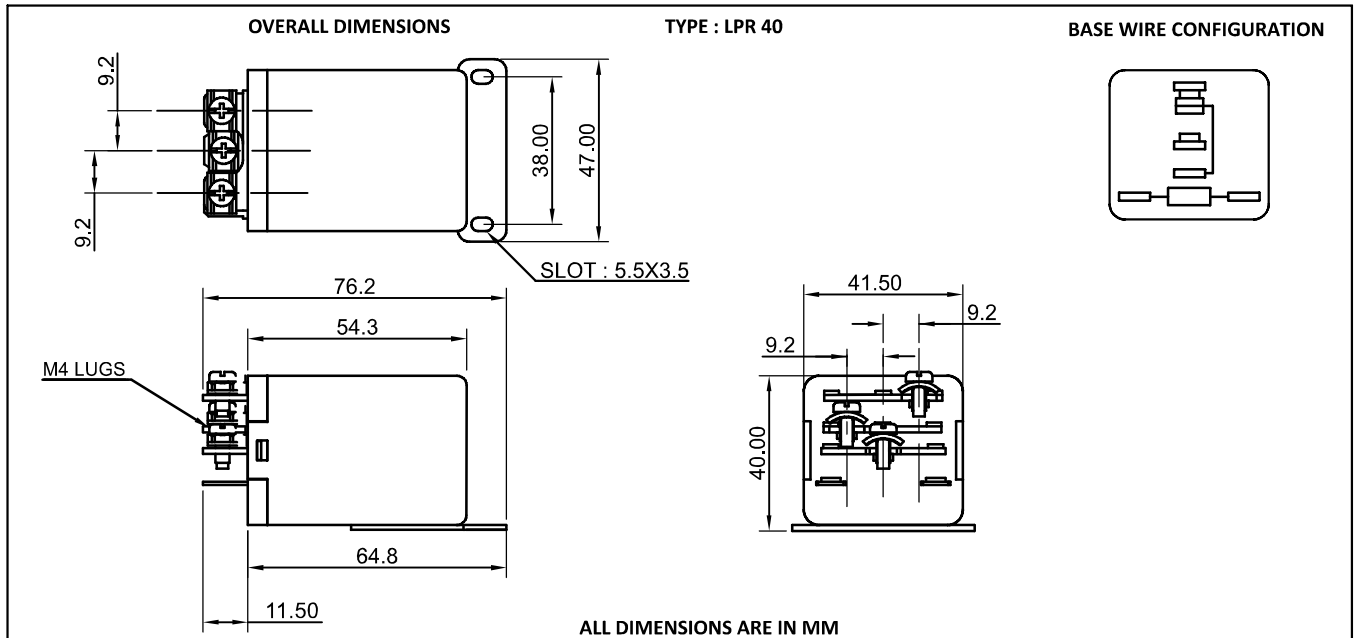
COIL – DATA (ALL VALUES AT 27°C ± 2°AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	74	-	9.6	1.2	1.95	-
18	150	-	14.4	1.8	2.16	-
24	260	40	19.2	2.4	2.22	5.76
48	1.2k	-	38.4	4.8	1.92	-
110	5.5k	-	88	11	2.20	-
115	-	1.3k	92	11.5	-	4.06
220	26k	-	176	22	1.86	-
240	-	4.7k	192	24	-	4.90

ORDERING CODE FOR RELAY



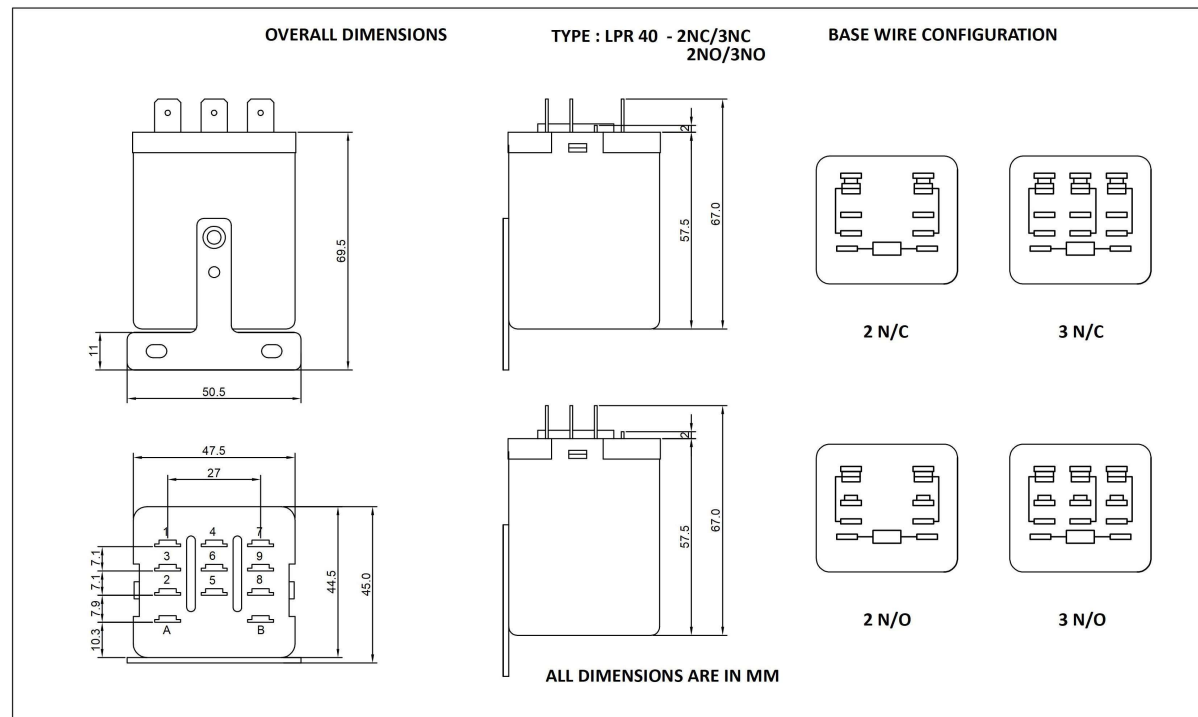
DIMENSIONS



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

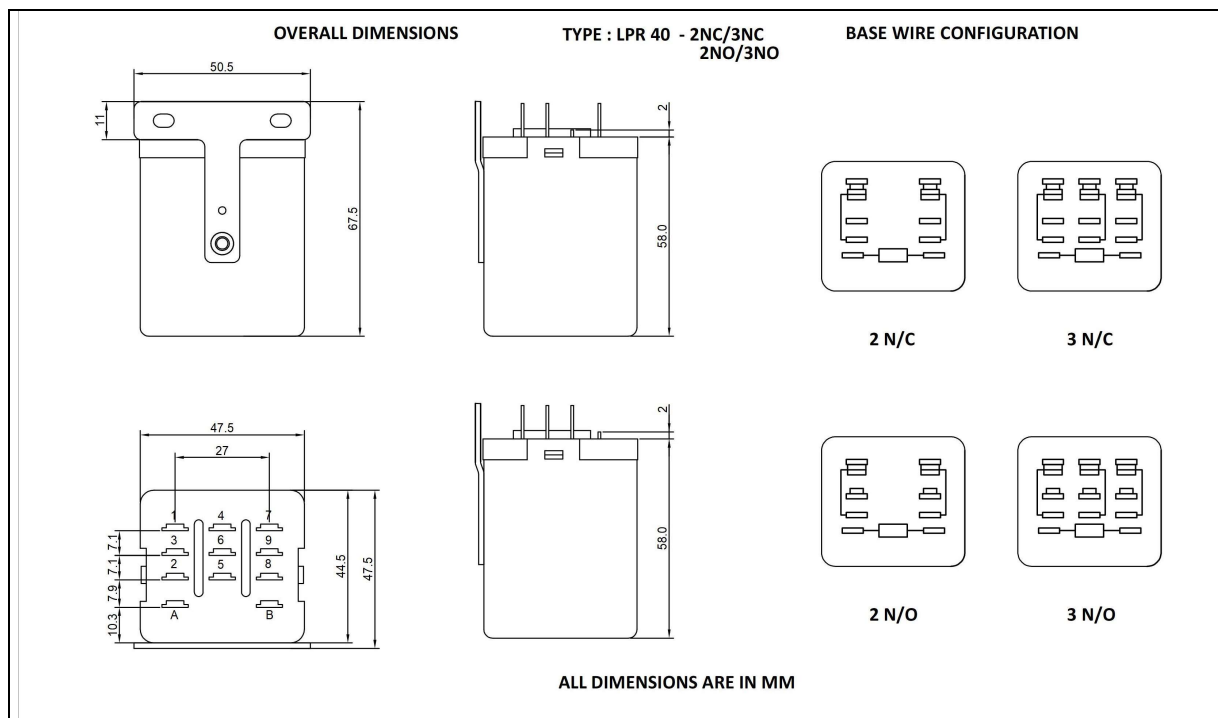
DIMENSIONS

(WITH REGULAR BASE PLATE)



DIMENSIONS

(WITH REVERSE BASE PLATE)



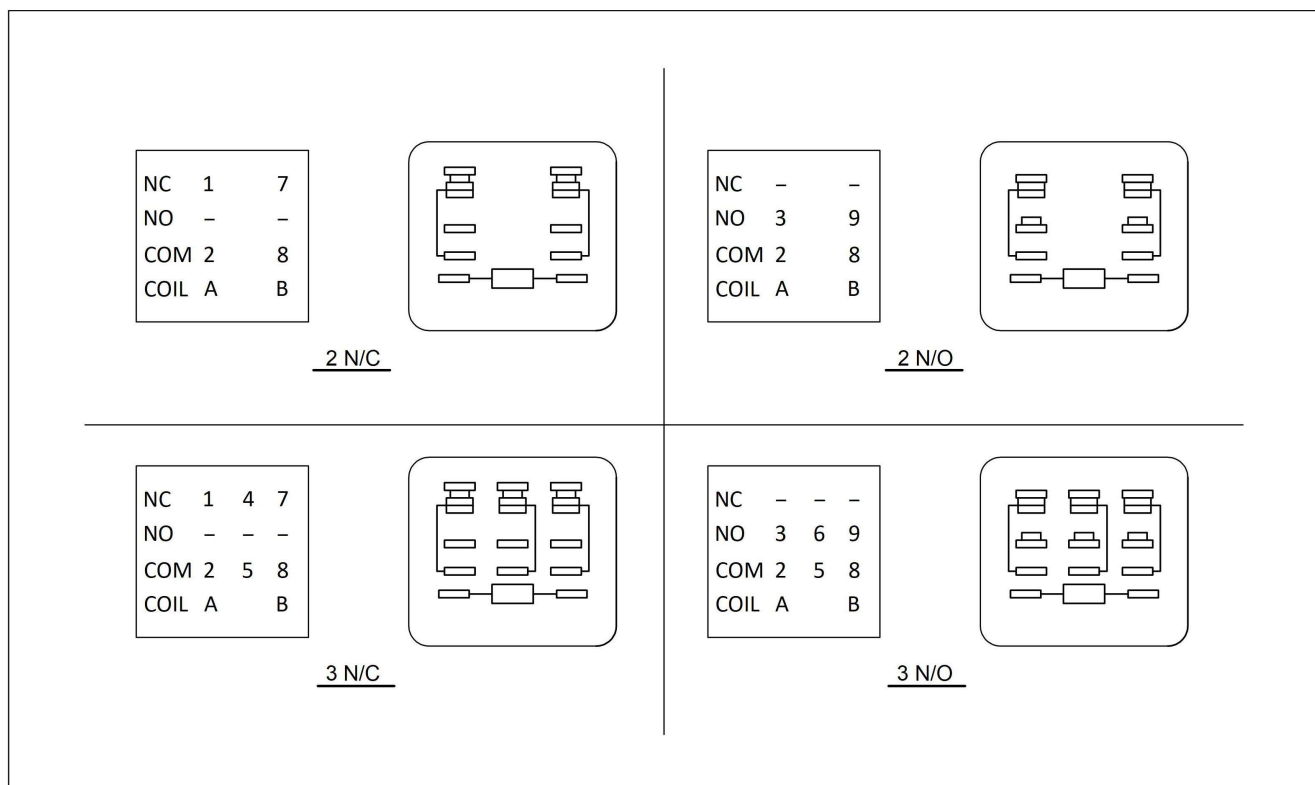
NOTE :- 1) In case no tolerance shown in outline dimensions :

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 $\pm 0.4\text{mm}$

DIMENSIONS



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