

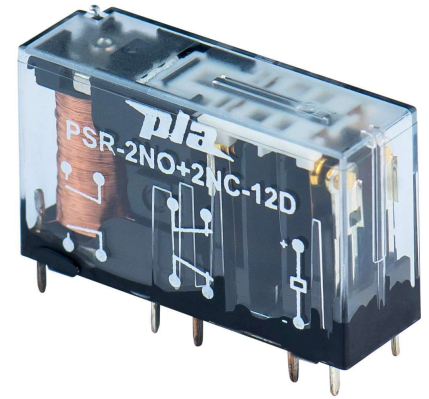
# PSR SERIES

(RELAYS WITH FORCIBLY GUIDED CONTACT)



## TECHNICAL SPECIFICATIONS

TYPE		SAFETY RELAY
TERMINAL TYPE		PCB
CONTACT CONFIGURATION		2NO + 2NC & 3NO + 1NC
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		6 A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		100mΩ Max
COIL NOMINAL VOLTAGES	DC	6 - 48 V
OPERATING POWER (MIN-MAX) FOR DC COIL		360 mW
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1500 VRMS
	COIL TO CONTACT	4000 VRMS
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		20 ms
AMBIENT TEMPERATURE		-40 C To +85°C
ELECTRICAL LIFE (NO OF OPERATIONS)		10 <sup>5</sup>
MECHANICAL LIFE (NO OF OPERATIONS)		10 <sup>7</sup>
FORCIBLY GUIDED CONTACTS TYPE (ACC TO EN50205)		TYPE A
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		13 x 40 x 24
MAX WEIGHT IN GRAMS (APPROX.)		20 gms
INBUILT FEATURES		LED



(Photo For Representation Purpose Only)

## SALIENT FEATURES

- Multi-contact arrangements
- Forcibly guided contacts
- 6A switching capability
- Low input power 360mW
- High insulation capability :10kV surge voltage between input and output
- UL insulation system : class F available

## APPLICATIONS

- Emergency stop modules
- Two hand operating devices
- Pressure mat controls
- Elevators / Escalators
- Din Rail Safety Modules
- Safety door controls
- Speed Controls

**NOTE :-** 1)Recommended socket :- PSRS

2) All Specification / Dimensions subject to Tolerance

3) Gold plated contacts available with extra charges

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



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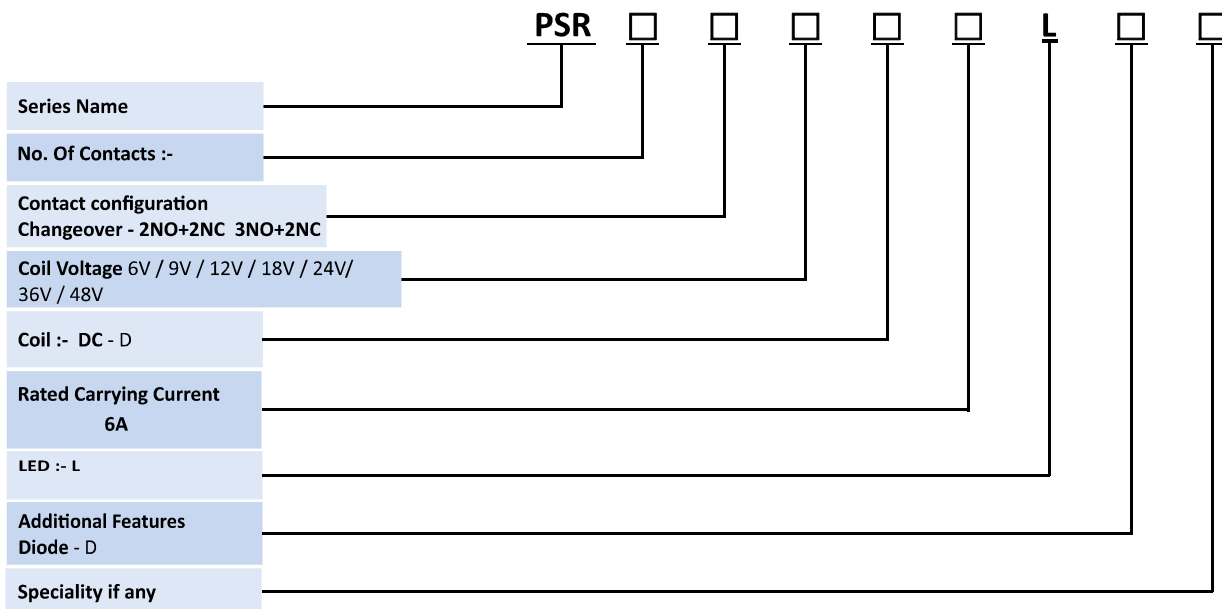
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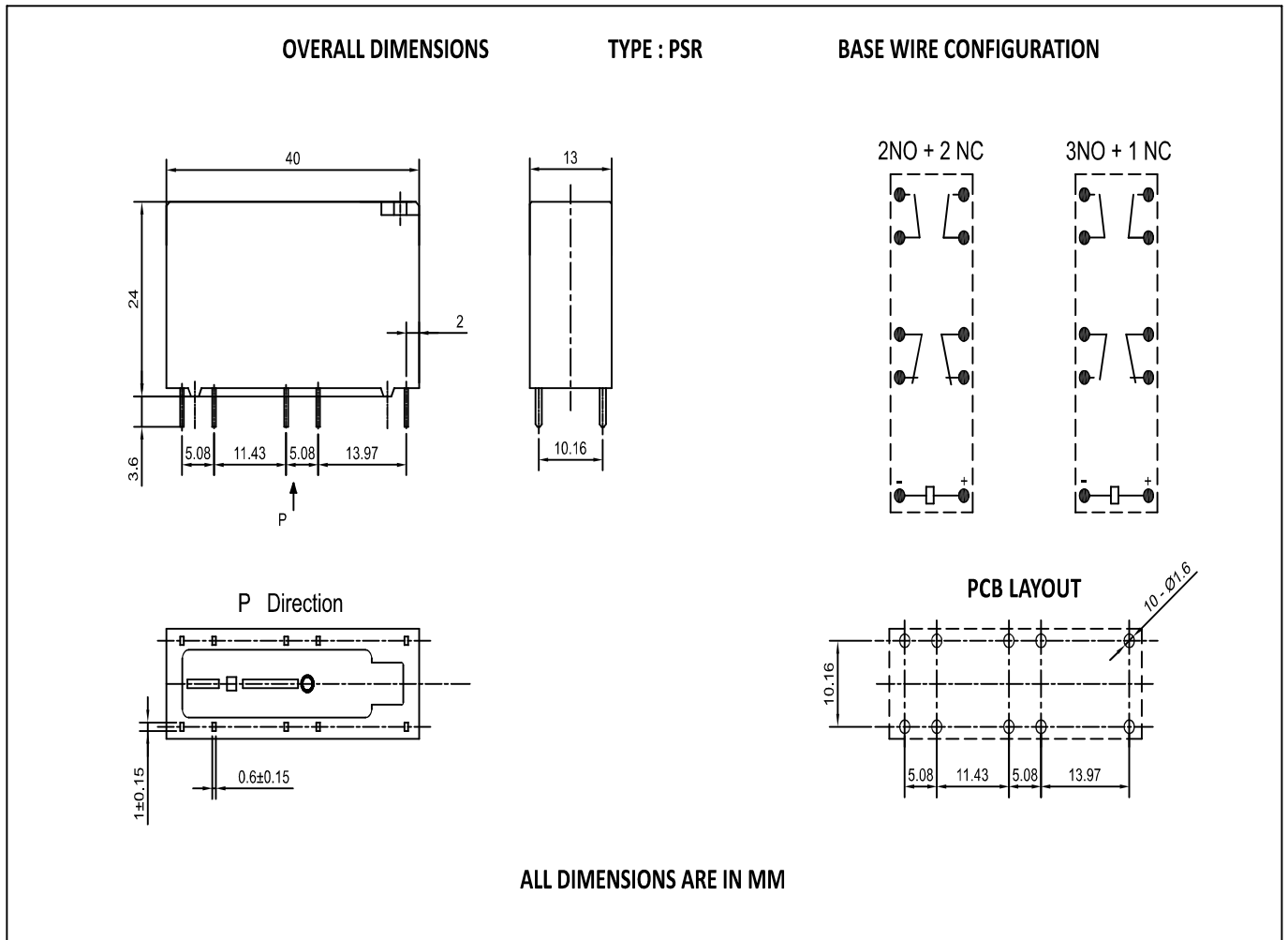
## COIL – DATA (ALL VALUES AT 27°C ± 2° AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL
	DC RELAY			DC (W)
6	100	4.5	0.6	0.36
9	225	6.8	0.9	0.36
12	400	9.0	1.2	0.36
18	900	13.5	1.8	0.36
24	1.6k	18.0	2.4	0.36
36	3.6k	27.0	3.6	0.36
48	6.4k	36.0	4.8	0.36

## ORDERING CODE FOR RELAY



# OVERALL 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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