

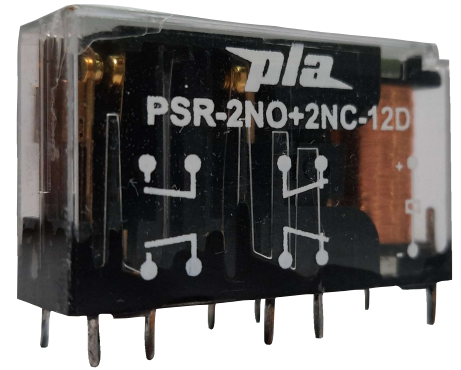
PSR SERIES

(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)		100m Ω Max
COIL NOMINAL VOLTAGES	DC	6 - 48 V
OPERATING POWER (MIN-MAX) FOR DC COIL		360 mW
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1500 VAC
	COIL TO CONTACT	4000 VAC
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH		1000 M Ω
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		20 ms
AMBIENT TEMPERATURE		-40 C To +85°C
ELECTRICAL LIFE (NO OF OPERATIONS)		10 ⁵
MECHANICAL LIFE (NO OF OPERATIONS)		10 ⁷
FORCIBLY GUIDED CONTACTS TYPE (ACC TO EN50205)		TYPE A
ALL DIMENSIONS ARE IN MM (W X L X H)		13 x 40 x 24
MAX WEIGHT IN GRAMS		20 gms (approx)
OPTIONAL FEATURES		
STANDARDS		



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

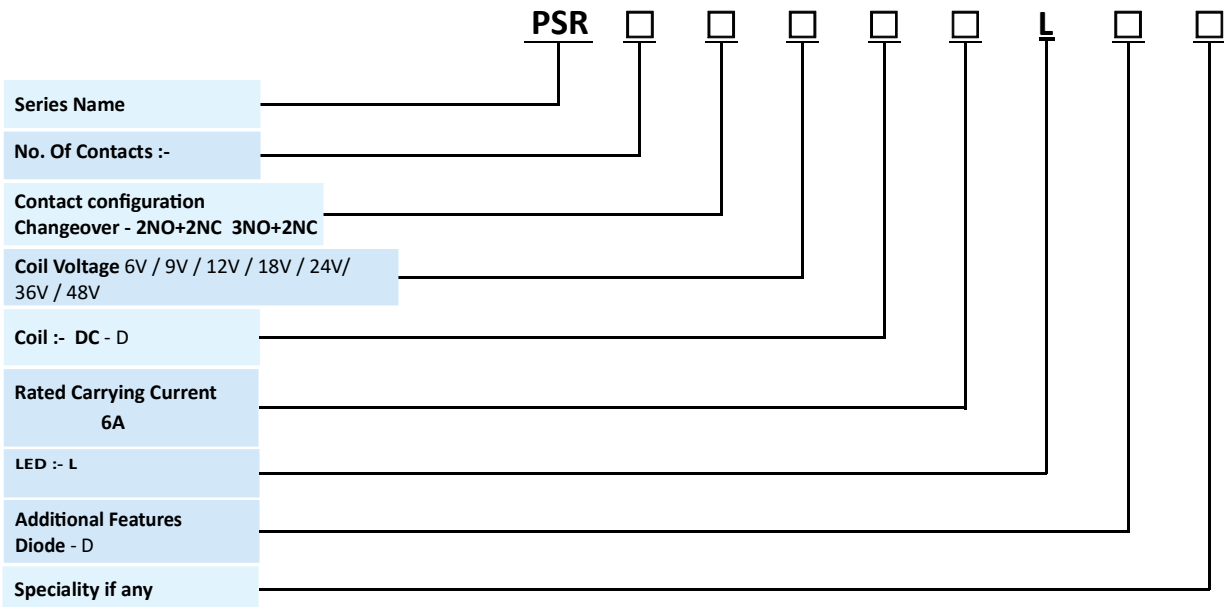
4) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

COIL – DATA

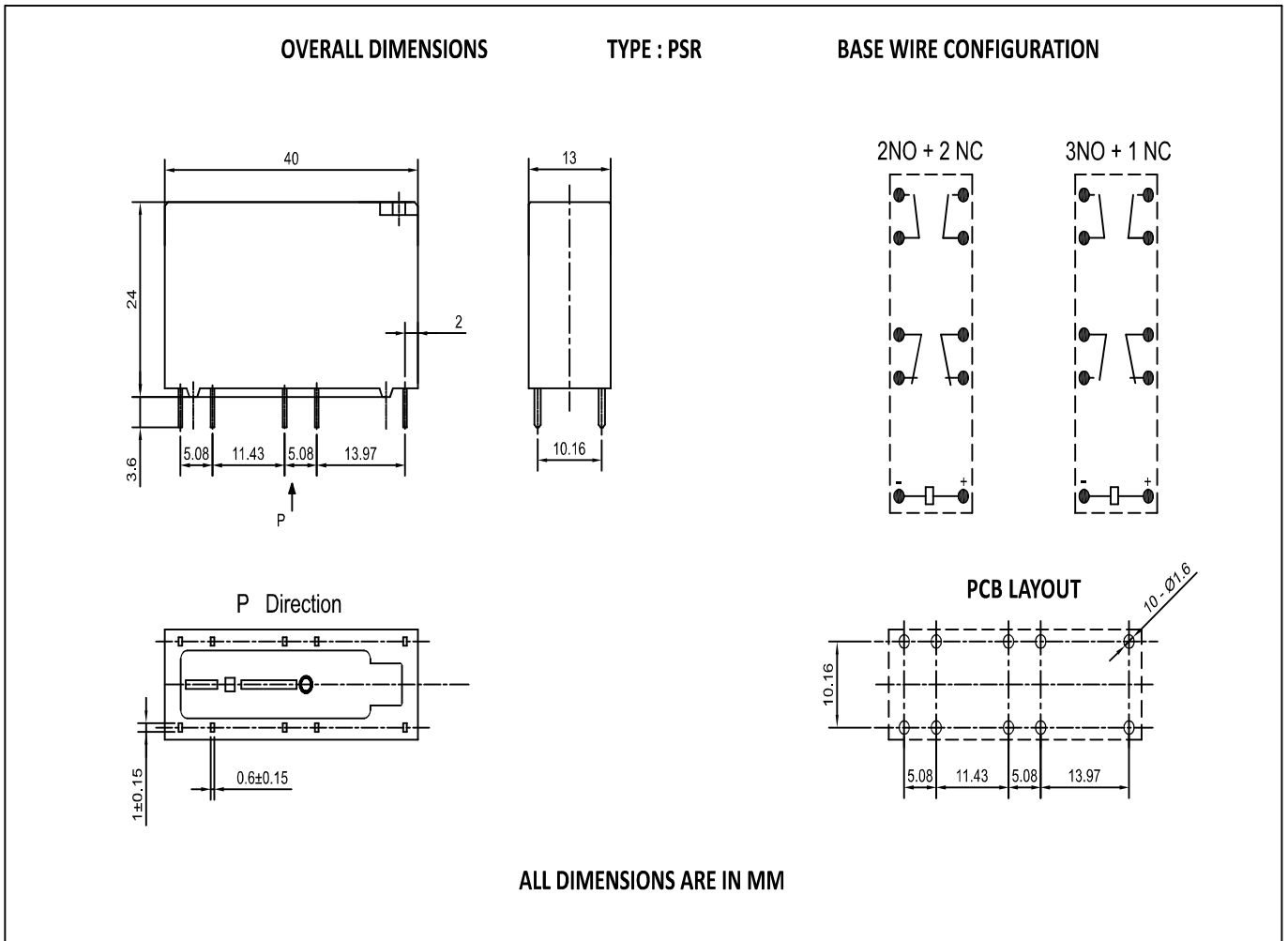
(ALL VALUES AT 27°C ± 2° AMBIENT, COLD START)

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 ± 0.2 mm
- Outline dimension 1mm and 5mm, tolerance should be ± 0.3 mm
- Outline dimension 5mm tolerance should be ± 0.4 mm

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