PCN SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PCN
TERMINAL TYPE		Solder / Lugs
CONTACT CONFIGURATION		1C / 2C / 3C / 1A / 2A / 3A
RATED CARRYING CURRENT (RESISTIVE LOAD) AT 24 VDC / 240 VAC		30A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω (MAX)
COIL NOMINAL VOLTAGES	DC	12-220 V
	AC	240V
OPERATING POWER (MIN-MAX) FOR DC COIL		1.2 – 2.22 W
OPERATING POWER (MIN-MAX) FOR AC COIL		4.90 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		-10˚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 (+11.5 Bracket) x 49.4
MAX WEIGHT IN GRRAMS		143 gms (Approx. Including Bracket)
MAX WEIGHT IN GRAMS		143 gms (Approximately Including Bracket)
MOUNTING		Metallic Base Plate
CERTIFICATION		Meeting as per IEC 61810-1

SALIENT FEATURES

- Compact Size
- Economics
- Polycarbonate Cover

APPLICATIONS

• Voltage Stabilizer	• Furnace Controls	• Process Controls
• Inverter	• Motor Starter	• Vending Machine
• Domestic Appliance	• Air Conditioner	

NOTE :-

1) All Specification / Dimensions subject to Tolerance.

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

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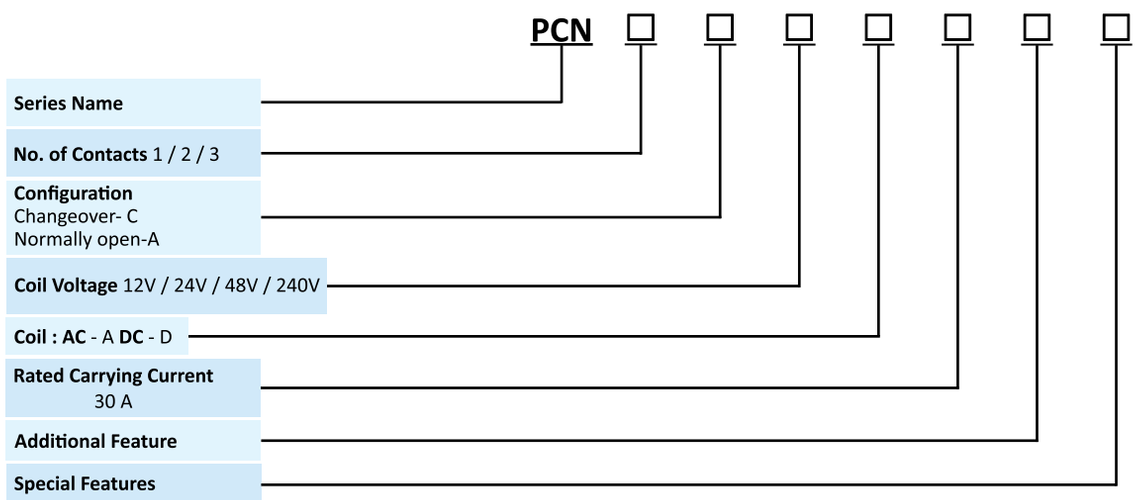
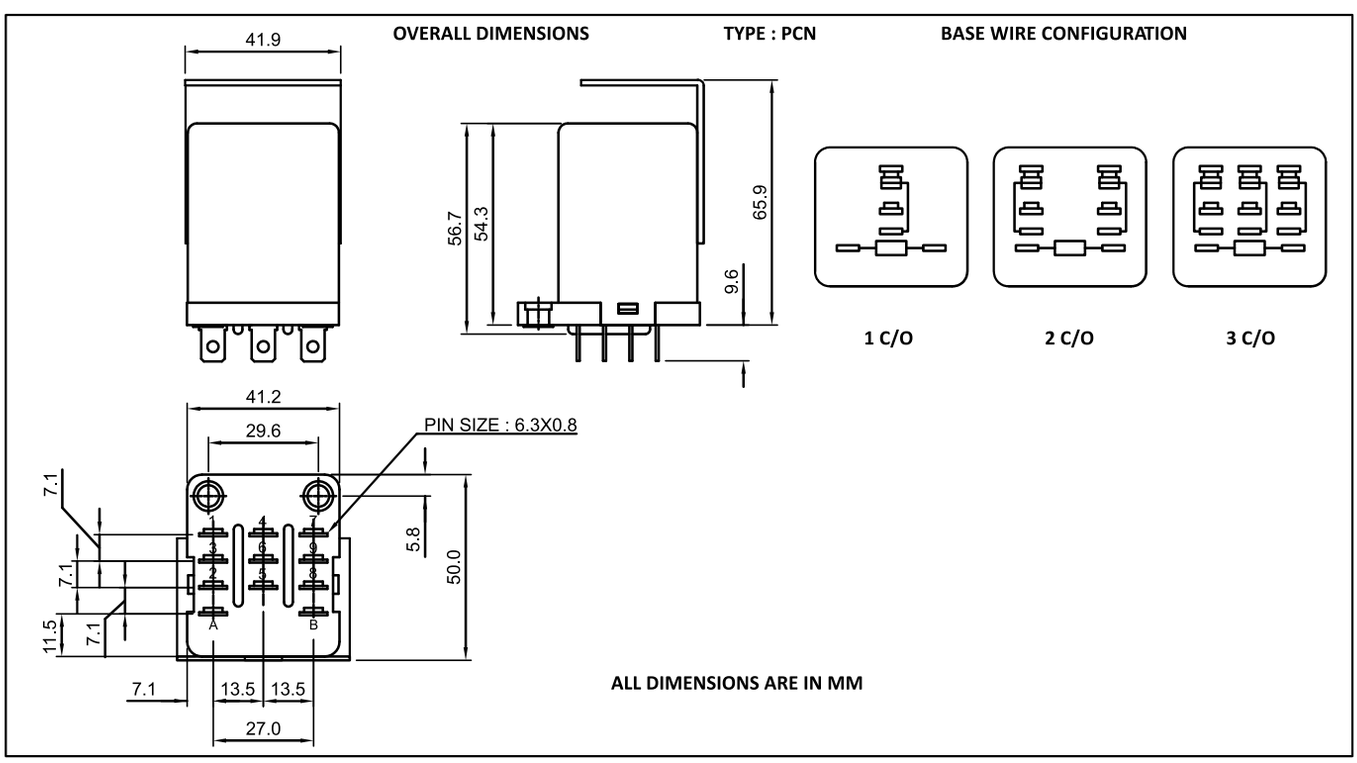
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	1C	2C & 3C			1C	2C & 3C
12 VDC	120	74	9.6	1.2	1.2 W	1.95 W
24 VDC	480	260	19.2	2.4	1.2 W	2.22 W
48 VDC	1.2K	1.2K	38.40	4.8	1.92 W	1.92 W
240 VAC	4.7K	4.7K	192	24	4.90 VA	4.90 VA

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