

PCN SERIES RELAYS

Replacement for PCO series relays



TECHNICAL SPECIFICATIONS

| TYPE | | PCN |
|--|-----------------|---|
| TERMINAL TYPE | | Solder / Lugs |
| CONTACT CONFIGURATION | | 1C, 2C, 3C 1 N/O, 2 N/O, 3 N/O |
| 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 | 240 V @50Hz |
| 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.



+91 22 25106104/05



+91 7045459530



sales@plarelays.com

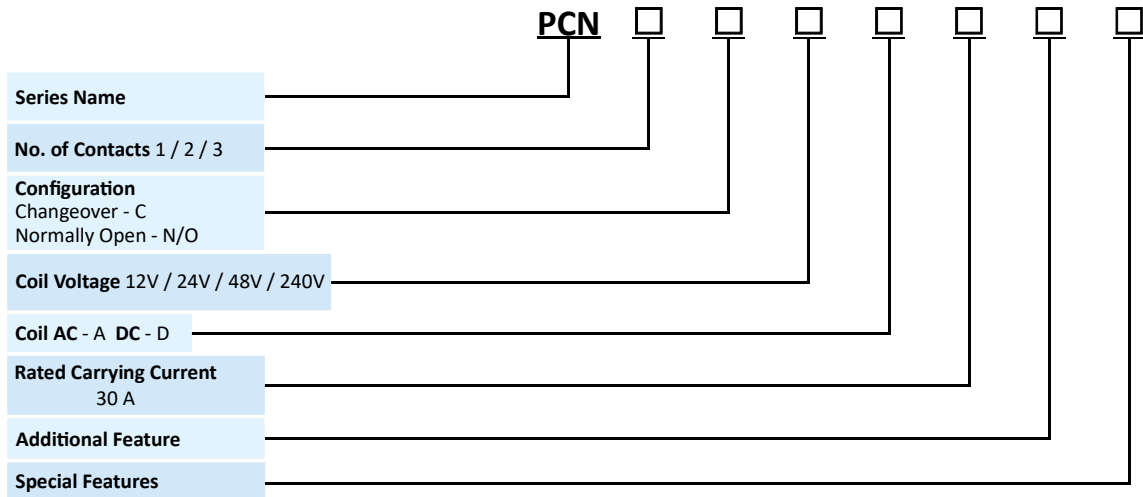


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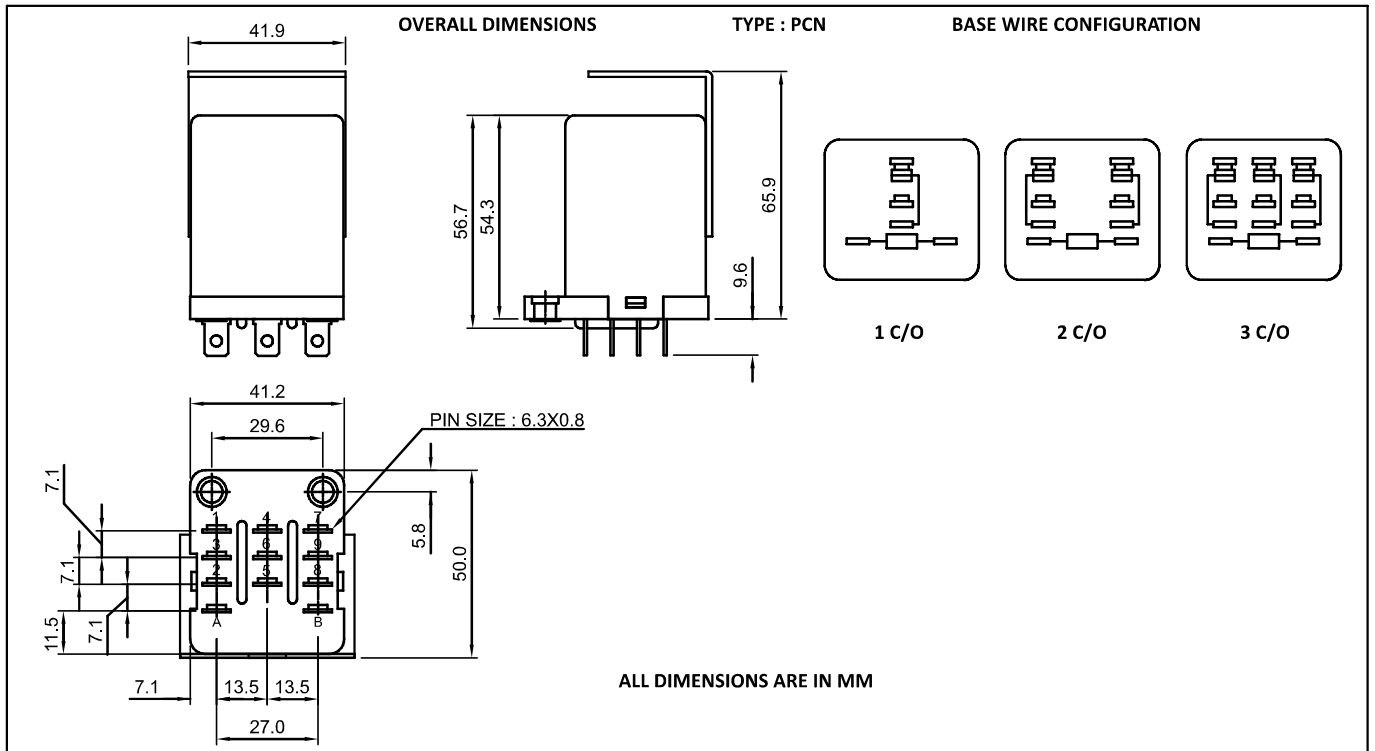
COIL – DATA (ALL VALUES AT 27°C ± 2°AMBIENT, COLD START)

| 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