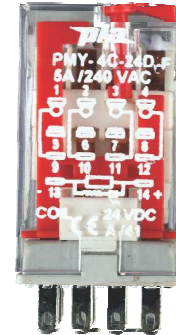


# PMY SERIES RELAYS



## TECHNICAL SPECIFICATIONS

| PARAMETERS                                                                   |                           | TYPE                                                                               |                |                |
|------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|----------------|----------------|
| TERMINAL TYPE                                                                |                           | Plug In                                                                            |                |                |
| CONTACT CONFIGURATION                                                        |                           | 2C                                                                                 | 3C             | 4C             |
| RATED CARRYING CURRENT (RESISTIVE)<br>AT 30 VDC/250 VAC                      |                           | 6A & 10A                                                                           | 6A & 10A       | 6A             |
| RATED CARRYING CURRENT (RESISTIVE)<br>AT 220 VDC (RELAY WITH ARC SUPPRESSOR) |                           | 6A                                                                                 | —              | —              |
| MAX. PEAK INRUSH CURRENT (20ms)                                              |                           | 30A & 60A                                                                          | 30A & 60A      | 30A            |
| CONTACT MATERIAL                                                             |                           | Silver alloy                                                                       |                |                |
| INDUCTIVE LOAD                                                               |                           | 1/2 HP at 277 VAC ( 6A Relay)<br>1 HP at 277 VAC ( 10A Relay)                      |                |                |
| INITIAL CONTACT RESISTANCE                                                   |                           | 0.050 Ω                                                                            |                |                |
| COIL NOMINAL<br>VOLTAGES                                                     | AC Coil                   | 12-240 VAC @50Hz/ 60Hz*                                                            |                |                |
|                                                                              | DC Coil                   | 12-250 VDC                                                                         |                |                |
| PICKUP VOLTAGE                                                               |                           | 80% maximum                                                                        |                |                |
| RELEASE VOLTAGE                                                              |                           | 10% minimum                                                                        |                |                |
| OPERATING POWER<br>(MIN - MAX)                                               | DC Coil                   | 0.89W - 1.15 W                                                                     |                |                |
|                                                                              | AC Coil                   | 1.10VA - 1.25VA                                                                    |                |                |
| MAXIMUM SWITCHING VOLTAGE                                                    |                           | 24 VDC / 250 VAC                                                                   |                |                |
| MAX SWITCHING CAPACITY<br>(POWER RATING)                                     |                           | 2500VA<br>(10A)                                                                    | 1250VA<br>(6A) | 1250VA<br>(6A) |
| DIELECTRIC<br>STRENGTH                                                       | BETWEEN OPEN<br>CONTACT   | 1000 VAC (Same Polarity)                                                           |                |                |
|                                                                              | BETWEEN COIL &<br>CONTACT | 2500 VAC                                                                           |                |                |
| INSULATION RESISTANCE AT 500 VDC<br>AT 27°C & 50% RH                         |                           | 3000 MΩ                                                                            |                |                |
| OPERATE TIME (MAX)                                                           |                           | 20 ms                                                                              |                |                |
| RELEASE TIME (MAX)                                                           |                           | 10 ms                                                                              |                |                |
| RELEASE TIME WITH DIODE (Max)                                                |                           | 20 ms                                                                              |                |                |
| AMBIENT TEMPERATURE                                                          |                           | -40°C To +70°C                                                                     |                |                |
| IMPULSE WITHSTAND VOLTAGE                                                    |                           | 5KV 1.2/50 μS. (AS PER IEC 60255-5)                                                |                |                |
| ELECTRICAL LIFE (NO OF OPERATIONS)                                           |                           | 10 <sup>5</sup>                                                                    |                |                |
| MECHANICAL LIFE (NO OF OPERATIONS)                                           |                           | 2 x 10 <sup>6</sup>                                                                |                |                |
| SHOCK RESISTANCE                                                             |                           | Destruction : 1000m/s Operative Extremes 150m/s*2                                  |                |                |
| VIBRATION RESISTANCE                                                         |                           | Destruction : 10-55Hz amplitude : 0.5mm<br>Malfunction : 10-55Hz amplitude : 0.5mm |                |                |
| PROTECTION DEGREE                                                            |                           | IP 40 / RT 1                                                                       |                |                |
| ALL DIMENSIONS ARE IN mm (W x L x H)                                         |                           | 21.5 x 28 x 35.5                                                                   |                |                |
| MAX WEIGHT IN GRAMS                                                          |                           | 37 gms (approx)                                                                    |                |                |
| INBUILT FEATURE                                                              |                           | LED                                                                                |                |                |
| OPTIONAL FEATURES                                                            |                           | Diode, Manual Test Button,<br>Mechanical Switching Position Indicator              |                |                |
| STANDARDS                                                                    |                           | IEC 61810-1 , CE                                                                   |                |                |



PMY with Flag



PMY Without Flag

(Photo For Representation Purpose Only)



## SALIENT FEATURES

- Miniature Industrial Relay
- Long Life & High Reliability
- Dust Protected
- With Led Indicator
- Sockets available

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

2) Recommended socket :- **PMYS DR 8/11/14 & PMYS PCB 8/14**

3) Mechanical Switching Position Indicator Available With Extra Charges

4) All Specification/Dimensions subject to Tolerance

5) \*Special Relay With 60Hz Compatibility Available At Extra Charge.

6) 2C 6A Relay With Arc suppressor (HPMY) Available At Extra Charges

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



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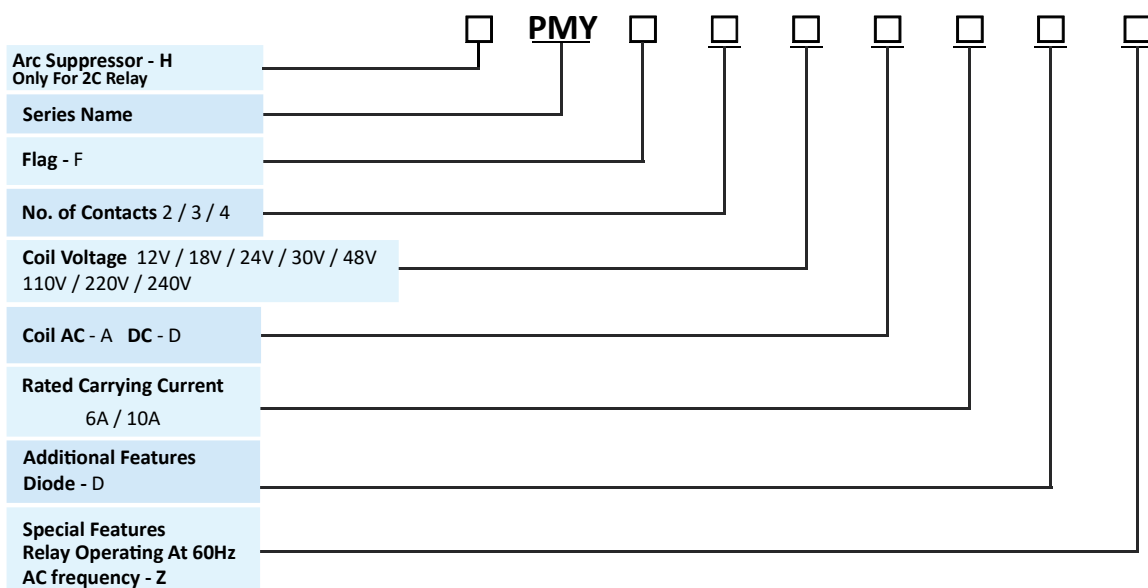
## APPLICATIONS

- Industrial Controls
- Office Automation
- PLC's
- Timers

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

| NOMINAL<br>VOLTAGE (V) | RESISTANCE IN OHM'S ± 10% |          | MUST OPERATE<br>VOLTAGE (V) | MUST RELEASE<br>VOLTAGE (V) | OPERATING POWER FOR COIL |         |
|------------------------|---------------------------|----------|-----------------------------|-----------------------------|--------------------------|---------|
|                        | DC RELAY                  | AC RELAY |                             |                             | DC (W)                   | AC (VA) |
| 12                     | 160                       | -        | 9.6                         | 1.2                         | 0.90                     | -       |
| 18                     | 350                       | -        | 14.4                        | 1.8                         | 0.93                     | -       |
| 24                     | 650                       | 180      | 19.2                        | 2.4                         | 0.89                     | 1.28    |
| 30                     | 1.0k                      | -        | 24                          | 3.0                         | 0.90                     | -       |
| 48                     | 2.6k                      | 735      | 38.4                        | 4.8                         | 0.89                     | 1.25    |
| 110                    | 11k                       | 4.4k     | 88                          | 11.0                        | 1.10                     | 1.10    |
| 220                    | 54k                       | -        | 176                         | 22.0                        | 0.97                     | -       |
| 240                    | -                         | 19k      | 192                         | 24.0                        | -                        | 1.21    |

## ORDERING CODE FOR RELAY



## DIMENSIONS

