

# P3-Y.....M



**Magnetic Blow Out 1 NO Double Break**

**10 A 250V AC1 10 A 220V DC1**

**10 A 30V DC1 7 A 220V DC13**

## Contacts

Materials :	Standard	AgNi
	Optional 1	AgNi + Au 0.2 μ
	Optional 2	AgNi + Au 5.0 μ
Max. Switching Current		10A
Max. Peak Inrush Current (20 ms)		30A
Max. Switching Voltage		250 VAC
Switching Power range		0.3 VA (W) to 2500 VAz
Max. Contact Resistance		20m ?
Max. AC Load (Table 1)		2.5 KVA

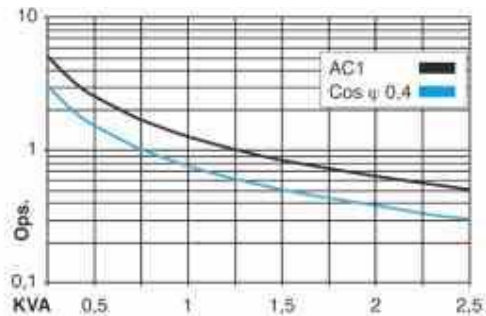
## Coils (Ohms ± @ 20°C)

Pull-in Voltage	≤ 0.8 x Un
Drop-out Voltage	< 0.1 x Un

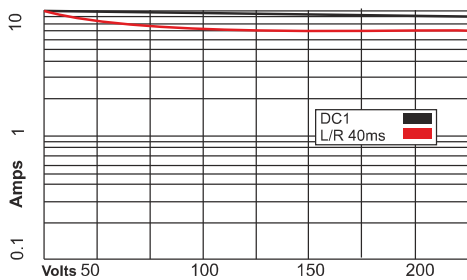
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC))

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	115
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

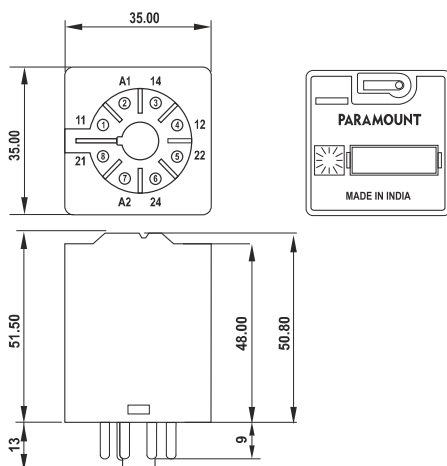
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



## Dimensions in mm.



## Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 M?
Isolation, IEC 61810-5	2.5 KV / 3

## Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	= 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

## Standard Types

**AC : 50Hz (60Hz) : 6, 12, 24, 48, 115, (120), 230, (240)**

**M = Magnetic Blow Out**

**P = LED Indicator (standard)**

**R = RC Circuit across the coil**

**B = AC / DC Bridge Rectifier (24 or 48 V)**

**P3-Y-PM ..... VAC**

**P3-Y-PRM ..... VAC**

**P3-Y-PRBM ..... VAC**

**DC : 6, 12, 24, 48, 110, 220**

**P = LED Indicator (standard)**

**Z = Polarity & Free Wheeling Diode**

**R = RC Circuit across the coil**

**P3-Y-PM ..... VDC**

**P3-Y-PZM ..... VDC**

**P3-Y-PZRM ..... VDC**

**Suitable Sockets : S8D-YA, S8LD**

## Approvals

