

# P3-2.....M



**Magnetic Blow Out 2 C/O Contacts**

**10 A 250V AC1 5 A 220V DC1  
10 A 30V DC1 3 A 220V DC13**

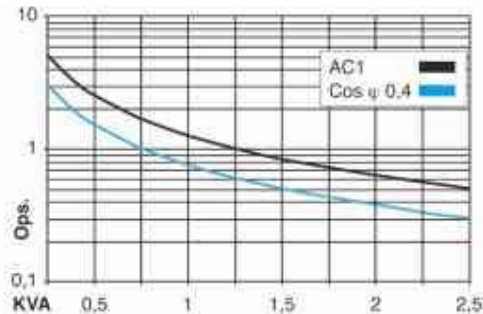
## Contacts

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 VA  
Max. Contact Resistance 20m ?  
Max. AC Load (Table 1) 2.5 KVA

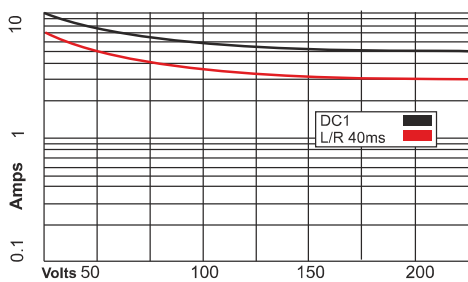
## Coils (Ohms ± @ 20°C)

Pull-in Voltage ≤ 0.8xUn  
Drop-out Voltage ≤ 0.1xUn

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



**Graph 2 Max. DC load**



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

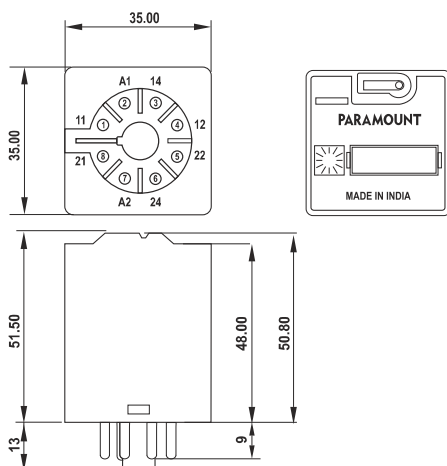
## Insulation

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 16+3 / 3.5+8 ms  
Operate / Release & Bounce Time Max. for AC 15+8 / 12+16 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

## Dimensions in mm.



## 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)**

**P3-2-PM ..... VAC**

**P3-2-PRBM ..... VAC**

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

**P = LED Indicator (standard)**

**Z = Polarity & Free Wheeling Diode**

**R = RC Circuit across the coil**

**P3-2-PM ..... VDC**

**P3-2-PZ M ..... VDC**

**P3-2-PZRM ..... VDC**

**Suitable Sockets : S8D, S8LD**

## Approvals

