

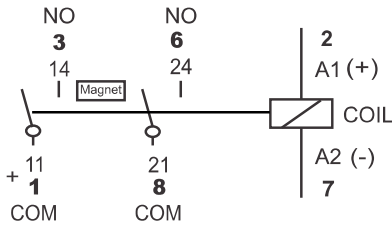


# P3-2A.....M

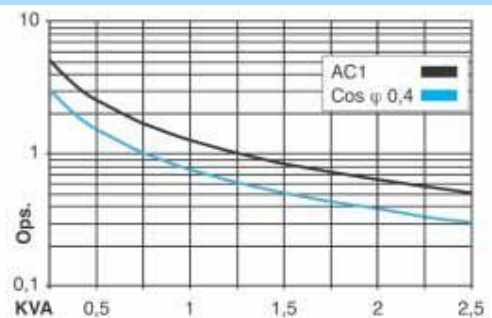


## Magnetic Blow Out 2 NO Contacts

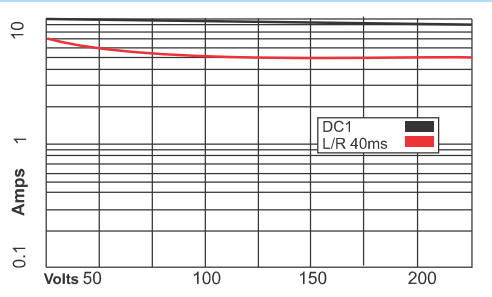
**10 A 250V AC1 10 A 220V DC1**  
**10 A 30V DC1 5 A 220V DC13**



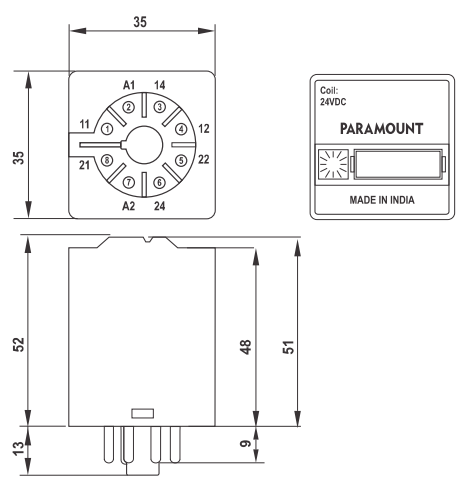
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



## Dimensions in mm.



### 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 Ω  
Max. AC Load (Table 1) 2.5 KVA

### Coils (Ohms ± @ 20°C)

Pull-in Voltage ≤ 0.8xUn  
Drop-out Voltage ≥ 0.1xUn  
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 2000 VAC  
Between adjacent poles 2000 VAC  
Between contacts and coil 2500 VAC  
Insulation Resistance @ 500VDC Min. 200 MΩ  
Isolation, IEC 61810-5 2.5 KV / 3

### Specifications

Operate / Release & Bounce Time Max. for DC 20+3 ms  
Operate / Release & Bounce Time Max. for AC 20+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 : 6, 12, 24, 48, 110, 230**  
**M = Magnetic Blow Out**  
**P = LED Indicator**  
**RC = RC Circuit**  
**DC : 6, 12, 24, 48, 110, 220**  
**P = LED**  
**W = Free Wheeling Diode**  
**Z = Polarity & Free Wheeling Diode**  
**B = AC/DC Bridge Rectifier**

**P3-2A-PM .... VAC**  
**P3-2A-PRM .... VAC**  
**P3-2A-PM .... VDC**  
**P3-2A-PWM .... VDC**  
**P3-2A-PZM .... VDC**  
**P3-2A-PBM .... VAD**

Suitable Sockets : S8D-YA, S8LD-YA

### Approvals

