

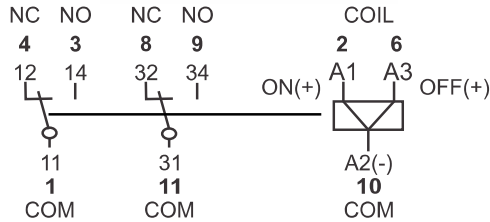


# P3-2.....L

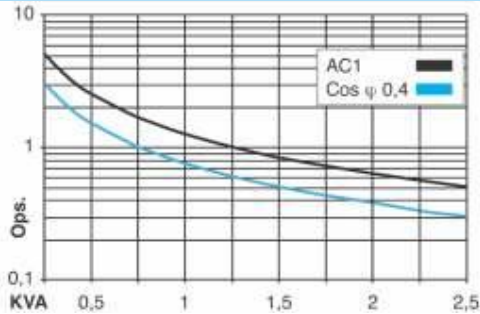


## Magnetically Latching 2C/O Contact

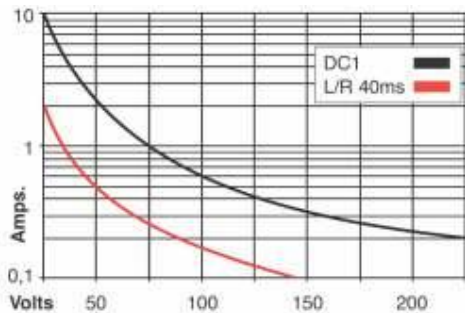
**10 A 250V AC1 0.5 A 110V DC1**  
**10 A 30V Dc1 0.2 A 220V DC1**



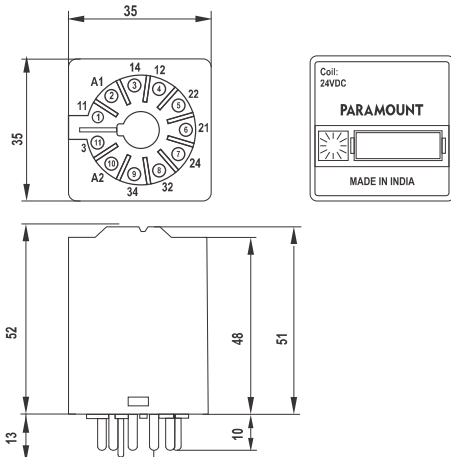
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**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 VAz  
Max. Contact Resistance 20m Ω  
Max. AC Load (Table 1) 2.5 KVA  
Max. DC Load (See Table 2) -

**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))

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

### 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 MΩ  
Isolation, IEC 61810-5 2.5 KV / 3

### Specifications

Operate / Release & Bounce Time Max. for DC 8+3 / 3.5+8 ms  
Operate / Release & Bounce Time Max. for AC 9+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

**Note :- 1) The Input ON & OFF Pulse Width Should be Min. 500ms**  
**2) For Non Standard Coil Voltages. Please Contact Factory**

### Standard Types

DC : 12, 24, 110 , 220  
L = Latching Relay

P3-2-L .... VDC

Suitable Sockets : S11D

### Approvals

