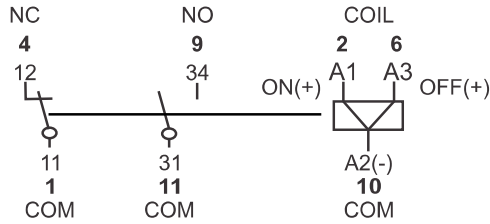




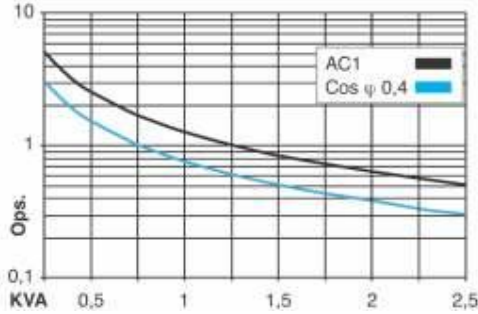
# P3-X....L



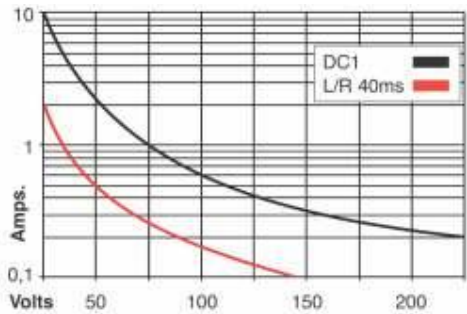
**Magnetically Latching 1NO + 1NC Contact**  
**10 A 250V AC1 0.7 A 110V DC1**  
**10 A 30V DC1 0.4 A 220V Dc1**



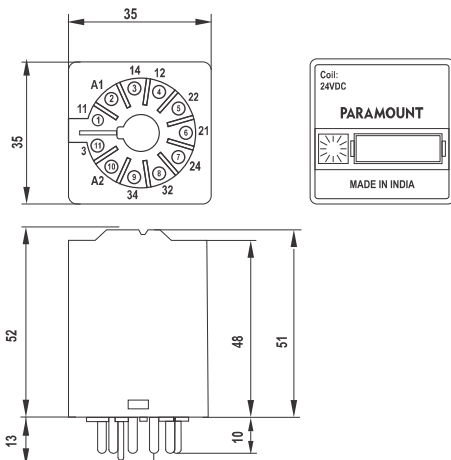
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**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 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 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

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-X-L .... VDC

Suitable Sockets : S11D

**Approvals**

