

P3-2A.....LM

Magnetically Latched 2N/O Relay with Magnetic Blow Out

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



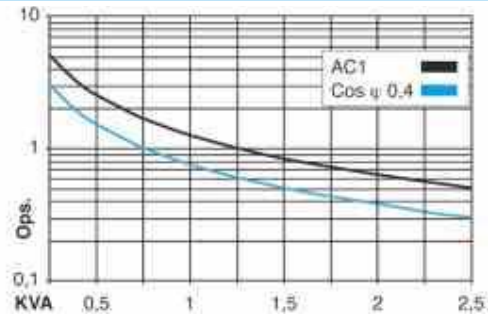
Contacts

Materials : Standard AgNi
Optional 1 AgNi + Au 0.2 μ
Optional 2 AgNi + Au 5.0 μ

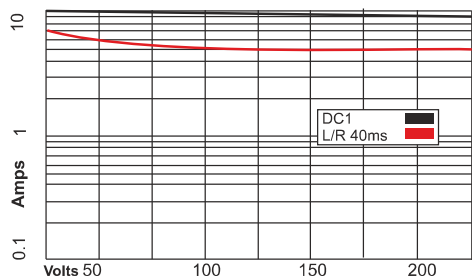
Max. Switching Current 10A
Max. Peak Inrush Current (20 ms) 30A
Max. Switching Voltage 250 VAC
Switching Power range 0.3 VA (W) to 2500 VAZ
Max. Contact Resistance 20m ?
Max. AC Load (Table 1) 2.5 KVA
Max. DC Load (See Table 2) -

Coils (Ohms ± @ 20°C)
Pull-in Voltage = 0.8xUn
Drop-out Voltage = 0.1xUn

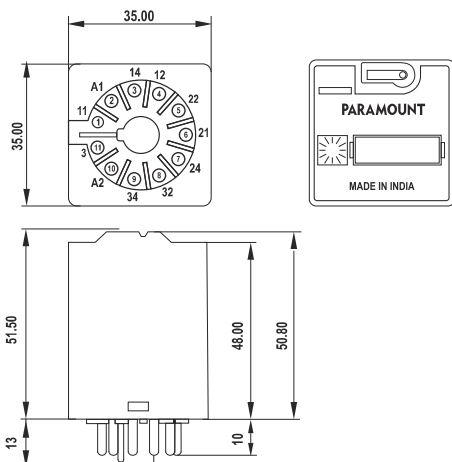
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



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 ?	104 ?	= 9 VDC
24 VDC	360 ?	430 ?	= 18 VDC
110 VDC	5000 ?	3800 ?	= 88 VDC
220 VDC	12500 ?	19700 ?	= 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 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

- Note :-**
- 1) The Input ON & OFF Pulse Width Should be Min. 500 Msecs.
 - 2) For Non Standard Coil Voltages. Please Contact Factory
 - 3) Polarity Diode is a Standard Feature

Standard Types

DC : 12, 24, 110, 220

M = Magnetic Blow Out

L = Latching Relays

F = Mechanical Flag Indicator

P3-2A-F-LM VDC

Suitable Sockets : S11D

Approvals

