

P3-Y.....LM



Magnetically Latched 1NO Double Break Relay with Magnetic Blow Out

**10 A 250V AC1 10 A 220V DC1
10 A 30V DC1 7 A 220V DC13**

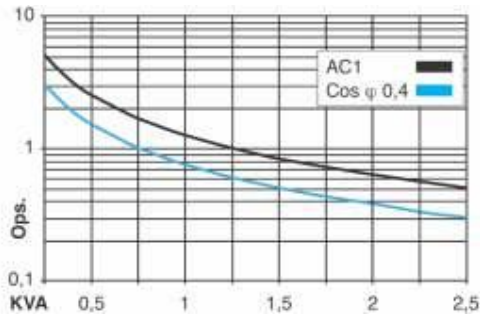
Contacts

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

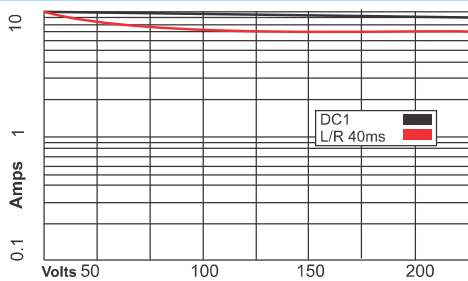
Max. Switching Current 10A
 Max. Peak Inrush Current (20 ms) 30A
 Max. Switching Voltage 250 VAC
 Switching Power range 0.3 VA (W) to 2500 VAZ
 Max. Contact Resistance 20m Ω
 Max. AC Load (Table 1) 2.5 KVA
 Max. DC Load (See Table 2) -

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

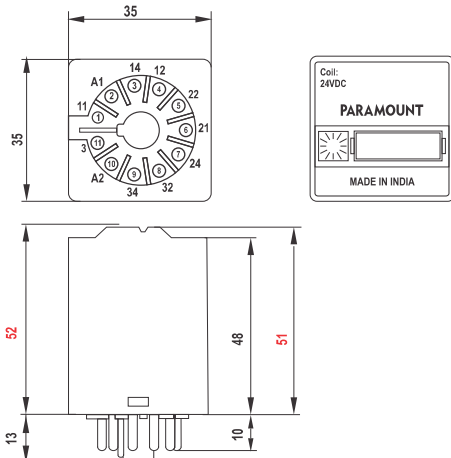
Graph 1 Electrical life, ops x 10⁶



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 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
 M = Magnetic Blow Out

P3-Y-LM VDC

Suitable Sockets : S11D-A

Approvals

