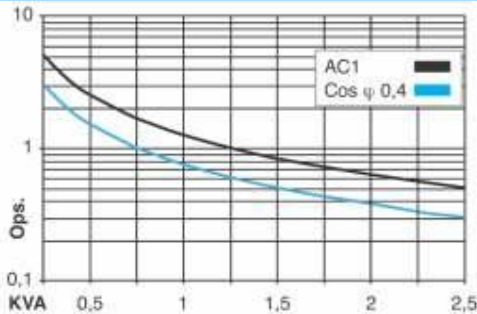
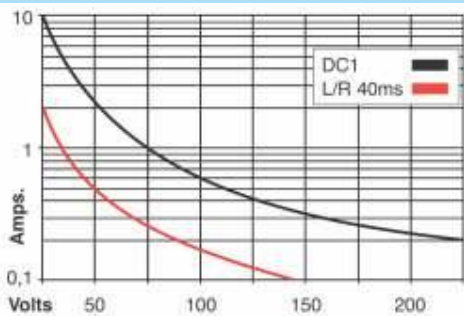


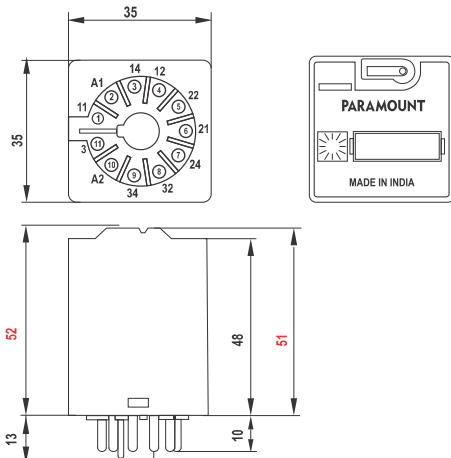
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



**Dimensions** in mm.



# P3-3....H



## Long Life Relay 3C/O Contacts

**10 A 250V AC1 0.5 A 110VDC1**  
**10 A 30V DC1 0.2 A 220VDC1**

### 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 03 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))

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 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 ≥ 700,000 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**

**H = Long Life Relay**

**F = Mechanical Flag Indicator**

**P = LED Indicator**

**I = Lockable Push Button**

**R = RC Circuit**

**DC : 6, 12, 24, 48, 110, 220**

**F = Mechanical Flag Indicator**

**P = LED**

**I = Lockable Push Button**

**Z = Polarity & Free Wheeling Diode**

**B = AC/DC Bridge Rectifier**

**P3-3-F-H .... VAC**

**P3-3-FP-H .... VAC**

**P3-3-FPI-H .... VAC**

**P3-3-FIR-H .... VAC**

**P3-3-F-H .... VDC**

**P3-3-FP-H .... VDC**

**P3-3-FPI-H .... VDC**

**P3-3-FPZI-H .... VDC**

**P3-3-FPIB-H .... VDC**

### Suitable Sockets : S11D

### Approvals

