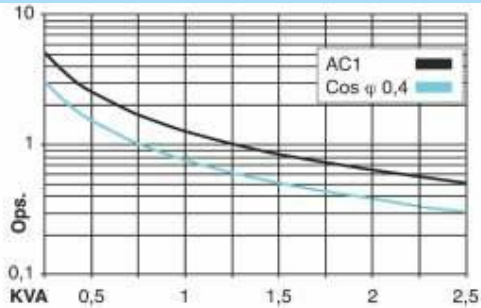
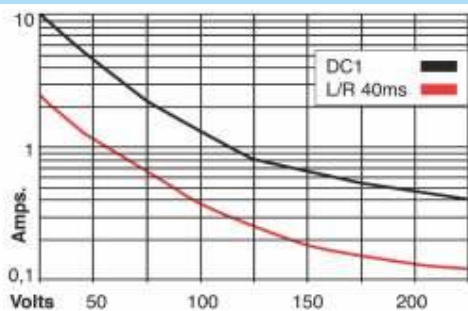


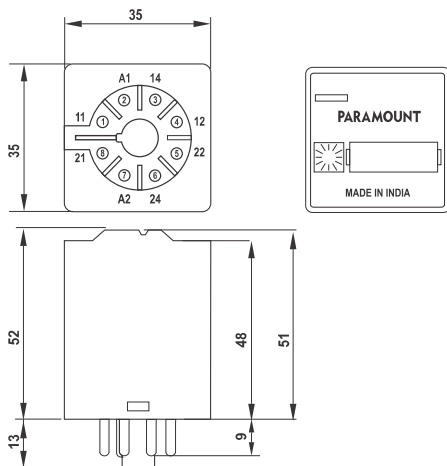
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



P3-2A

General Purpose 2 NO Contacts
10 A 250V AC1 0.7 A 110V DC1
10 A 30V DC1 0.4 A 220V DC1

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 VA
 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 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 20+3 ms
 Operate / Release & Bounce Time Max. for AC 20+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

Standard Types

AC : 6, 12, 24, 48, 110, 230
 F = Mechanical Flag Indicator
 P = LED Indicator
 R = RC Circuit

P3-2A-F VAC
P3-2A-FP VAC
P3-2A-FR VAC

DC : 6, 12, 24, 48, 110, 220
 F = Mechanical Flag Indicator
 P = LED
 W = Free Wheeling Diode
 Z = Polarity & Free Wheeling Diode
 B = AC/DC Bridge Rectifier

P3-2A-F VDC
P3-2A-FP VDC
P3-2A-FPW VDC
P3-2A-FPZ VDC
P3-2A-FPB VAD

Suitable Sockets : S8D-YA, S8LD-YA

Approvals

