

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

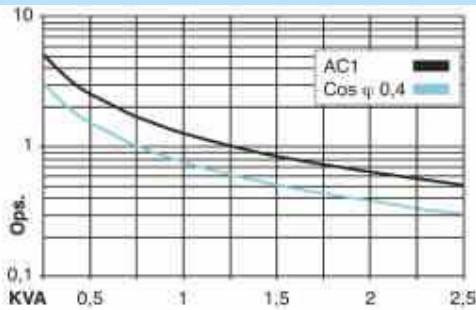
Max. Switching Current 10A
Max. Peak Inrush Current (20 ms) 30A
Max. Switching Voltage 250 VAC
Switching Power range 0.3 VA (W) to 2500 VA
Max. Contact Resistance 20m Ω
Max. AC Load (Table 1) 2.5 KVA
Max. DC Load (See Table 2) -

Coils (Ohms ± @ 20°C)
Pull-in Voltage $\leq 0.8 \times U_n$
Drop-out Voltage $< 0.1 \times U_n$

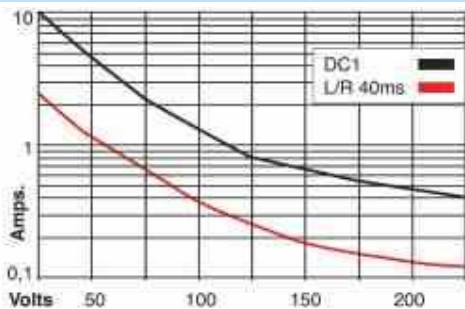
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC))

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

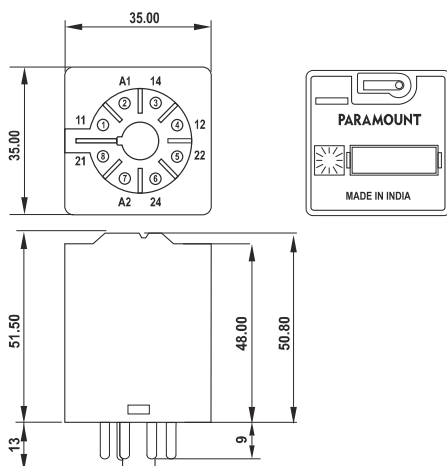
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



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 : 50Hz (60Hz) : 6, 12, 24, 48, 115, (120), 230, (240)
F = Mechanical Flag Indicator (standard)

P = LED Indicator (standard) **P3-2A-FP VAC**
I = Lockable Push Button **P3-2A-FPI VAC**
R = RC Circuit across the coil **P3-2A-FPIR VAC**
B = AC / DC Bridge Rectifier (24 or 48 V) **P3-2A-FPIRB..... VAC**

DC : 6, 12, 24, 48, 110, 220
F = Mechanical Flag Indicator (standard)
P = LED Indicator (standard) **P3-2A-FP VDC**
Z = Polarity & Free Wheeling Diode **P3-2A-FPZ VDC**
I = Lockable Push Button **P3-2A-FPZI VDC**
R = RC Circuit across the coil **P3-2A-FPZIR VDC**

Suitable Sockets : S8D-YA, S8LD

Approvals

