

P3-Y

General Purpose 1 NO Double Break

10 A 250V AC1 7.0 A 110V DC1
10 A 30V DC1 1.2 A 220V DC1



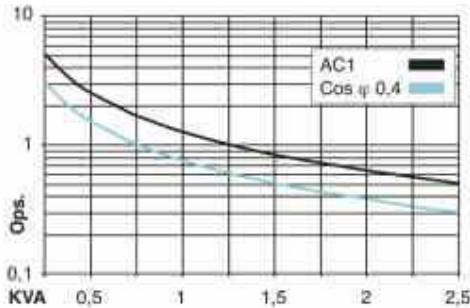
Contacts

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

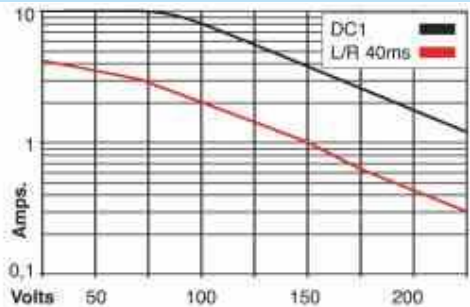
Max. Switching Current 10A
Max. Peak Inrush Current (20 ms) 30A
Max. Switching Voltage 250 VAC
Switching Power range 0.3 VA (W) to 2500 VA
Max. Contact Resistance 20m ?
Max. AC Load (Table 1) 2.5 KVA
Max. DC Load (See Table 2) -

Coils (Ohms ± @ 20°C)
Pull-in Voltage < 0.8 x Un
Drop-out Voltage < 0.1 x Un

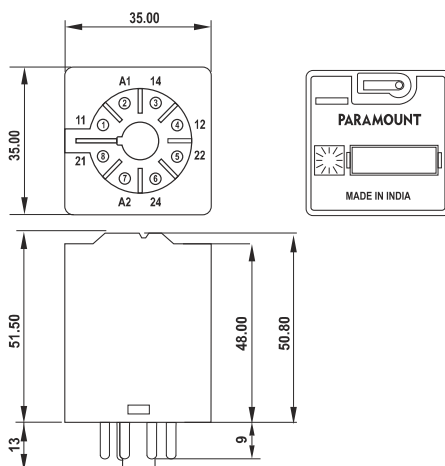
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



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

| 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 M?
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)
I = Lockable Push Button
R = RC Circuit across the coil
B = AC / DC Bridge Rectifier (24 or 48 V)

P3-Y-FP VAC
P3-Y-FPI VAC
P3-Y-FPIR VAC
P3-Y-FPIRB VAC

DC : 6, 12, 24, 48, 110, 220
F = Mechanical Flag Indicator (standard)
P = LED Indicator (standard)
Z = Polarity & Free Wheeling Diode
I = Lockable Push Button
R = RC Circuit across the coil

P3-Y-FP VDC
P3-Y-FPZ VDC
P3-Y-FPZI VDC
P3-Y-FPZIR VDC

Suitable Sockets : S8D-YA, S8LD

Approvals

