

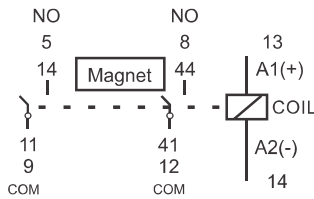


P12-A-M

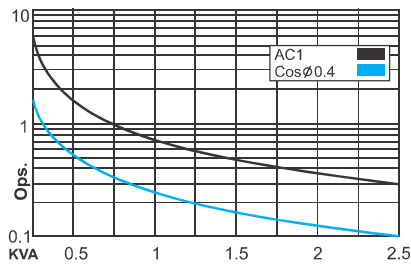
DC Switching Relay, 2NO Contacts

10 A 250V AC1 5.0 A 220V DC1
10 A 30V DC1 1.5 A 220V DC 13

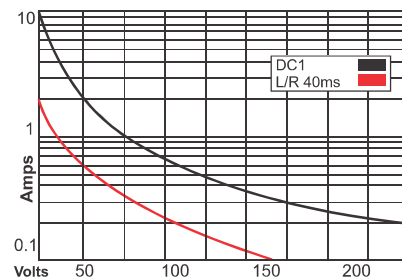
Pin configuration



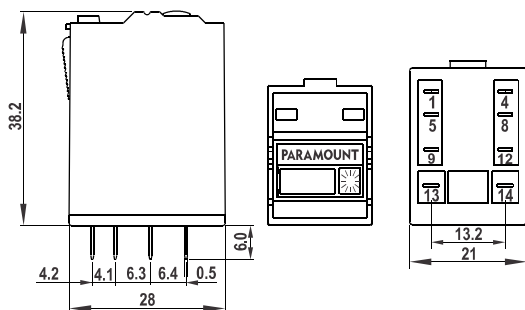
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials: Standard AgNi
Max. switching current 10 A
Max. Peak inrush current (20 ms.) 30 A
Max. Switching voltage 250 V
Max. AC load (Table 1) 2.5 KVA
Max. DC load (Table 1) Graph 2

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage ≤ 0.8 x Un
Drop-out voltage ≥ 0.1 x Un
Nominal Coil Power 1.2 VA (AC) / 1.W (DC)

VAC	Ω	VDC	Ω
6	12	6	40
12	50	12	160
24	190	24	640
48	785	48	2600
110	3880	110	13600
230	17400	220	54000

Insulation

Dielectric strength (1 minute): Open contacts 2.5 KV
Between adjacent poles 2.5KV
Between Contacts & Coil >3GΩ
Insulation resistance at 500V 2.5KV / 3
Isolation, IEC 61810-5:

Specifications

Operate Time + Bounce Time 16 ms.
Release Time + Bounce Time 8 ms.
Ambient Temperature -40°C (no ice)... +70°C
Mechanical life ops. 10 Million AC, 20 Million DC relays
Electrical life at nominal load > 100,000 ops.
Operating frequency at nominal load 1,200 / hour
Protection degree IP40 / RT1
Weight avg. 43 grs.

Standard Types

AC : 50Hz 6, 12, 24, 48, 115, (120), 230, (240)

F = Mechanical Blow Out

P = LED Indicator

R= RC Snubber circuit (115 or 230V)

P12-A-PMVAC

P12-A-PRMVAC

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

P = LED

W = Free Wheeling Diode

Z = Polarity & Free Wheeling Diode

B= AC/DC Bridge Rectifier (24/48V)

P12-A-PMVDC

P12-A-PWMVDC

P12-A-PZMVDC

P12-A-PBMVDC

Suitable Sockets : S12D-YA, S12LD, S12P

Approvals

