PARAMOUNT
EXPECT MORE...

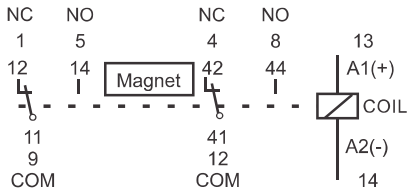
P12-M

DC Switching Relay, 2CO Contacts

10 A 250V AC1 3.00 220VDC DC1

10 A 30VDC DC1 0.75 220VDC DC13

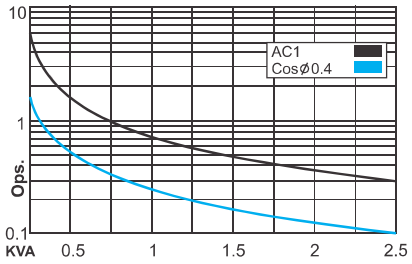
Pin configuration



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

Graph 1 Electrical life, ops x 10^6

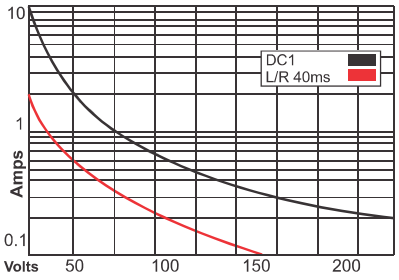


Coils (Ohms ± 10% @ 20ºC)

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

Graph 2 Max. DC load



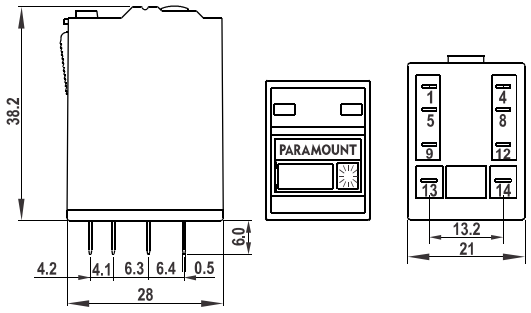
Insulation

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

Specifications

Operate Time + Bounce Time	16 ms.
Release Time + Bounce Time	8 ms.
Ambient Temperature	-40ºC (no ice).... +70ºC
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.

Dimensions in mm.



Standard Types

AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)
M = Magnetic Blow Out
P = LED Indicator — **P12-2-PM .... VAC**
R = RC Snubber circuit (115 or 230V) — **P12-2-PRM .... VAC**

DC : 6, 12, 24, 48, 110, 220
P = LED — **P12-2-PM .... VDC**
W = Free Wheeling Diode — **P12-2-PMW .... VDC**
Z = Polarity & Free Wheeling Diode — **P12-2-PZM .... VDC**
B = AC/DC Bridge Rectifer (24/48V) — **P12-2-PBM .... VDC**

Suitable Sockets : S12D, S12LD, S12P

Approvals

TÜV CE UL CSA