

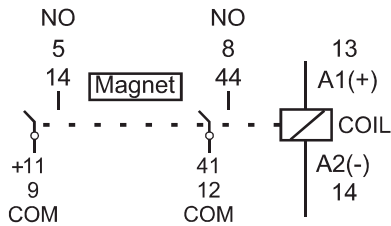


# P12-A....M

**DC Switching Relay, 2NO Contacts**  
**10 A 250V AC1      10 A 220VDC 1**  
**10 A 30V DC1**



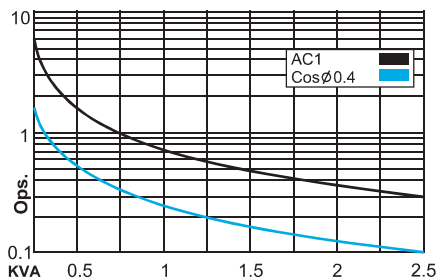
## Pin configuration



## 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<sup>6</sup>

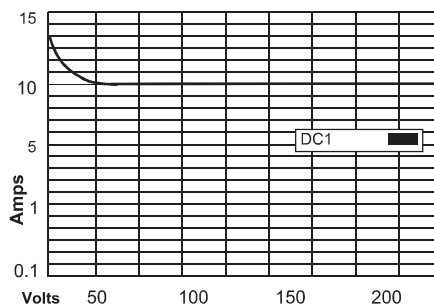


## Coils (Ohms ± 10% @ 20°C)

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		VDC	
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



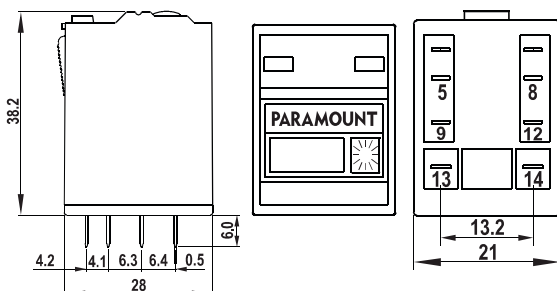
## Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insolation 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.

## Dimensions in mm.



## 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-PM .....VAC  
P12-A-PRM .....VAC

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-PM .....VDC  
P12-A-PWM .....VDC  
P12-A-PZM .....VDC  
P12-A-PBM .....VDC

## Suitable Sockets : S12D-YA, S12LD, S12P, S8ED

## Approvals

