

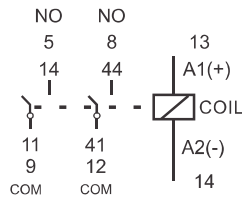


# P12 - 2A

**Compact Plug In Relay, 2NO Contacts**

**10 A 250V AC1      10A 30VDC DC1**

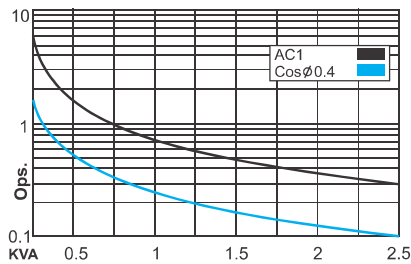
## Pin configuration



## 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>

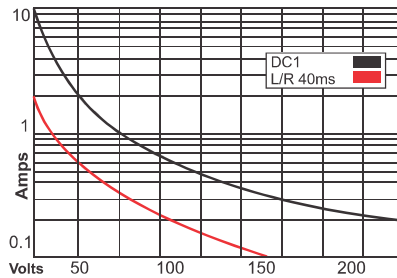


## Coils (Ohms ± 10% @ 20°C)

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	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



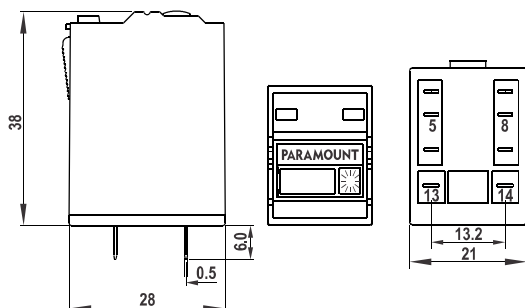
## Insulation

Dielectric strength (1 minute): Open contacts	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.

## Dimensions in mm.



## Standard Types

<b>AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)</b>	
F = Mechanical Flag Indicator	<b>P12-2A-F</b> .... VAC
P = LED Indicator	<b>P12-2A-FP</b> .... VAC
R = RC Snubber circuit (115 or 230V)	<b>P12-2A-FPR</b> .... VAC
<b>DC : 6, 12, 24, 48, 110, 220</b>	
F = Mechanical Flag Indicator	<b>P12-2A-F</b> .... VDC
P = LED	<b>P12-2A-FP</b> .... VDC
W =Free Wheeling Diode	<b>P12-2A-FPW</b> .... VDC
Z = Polarity & Free Wheeling Diode	<b>P12-2A-FPZ</b> .... VDC
B = AC/DC Bridge Rectifier (24/48V)	<b>P12-2A-FPB</b> .... VDC

**Suitable Sockets : S12D-YA, S12LD-YA, S12P**

## Approvals

