

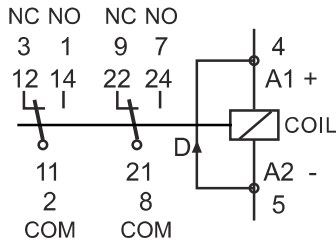


# P2-FW<sub>(5 kV)</sub>



**Two Poles, Change-Over Contact**

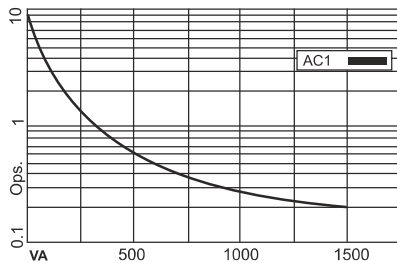
**6A 250V AC1    0.5A 110V DC1**  
**6A 30V DC1    0.2A 220V DC1**



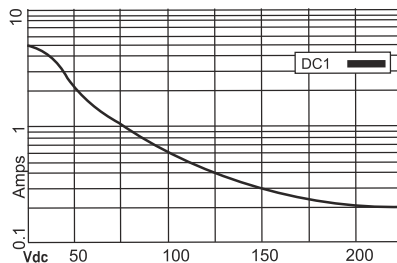
## Contacts

Materials: Standard,	AgNi
Optional, code 1	AgNi + 0.2μ Au
Optional, code 2	AgNi + 5.0μ Au
Max. switching current	6 A
Max. Peak inrush current (20 ms.)	30 A
Max. Switching voltage	250 V
Max. AC load (Graph 1)*	1.5 KVA
Max. DC load	See Graph 2*

**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



## Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal coil power	0.7 W (DC)

VDC	Ω	mA
12	224	53.0
24	742	32.0
48	3.500	13.7
110	19.900	5.5

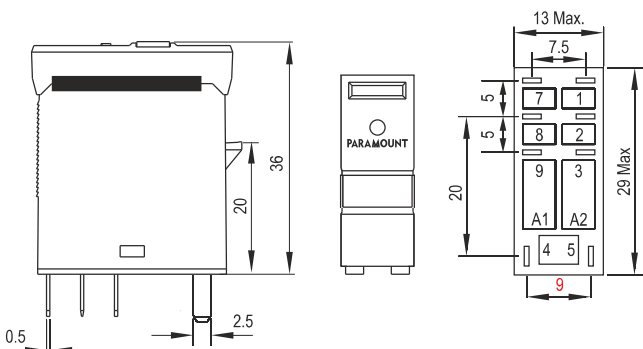
## Insulation

Dielectric strength (1 minute): Open contacts	2.000 V
Between adjacent poles	5 KV
Between contacts & coil	5 KV
Isolation resistance at 500VDC	> 3GΩ
Isolation, IEC 61810-5 :	4 KV / 3

## Specifications

Operate Time + Bounce Time	10 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 Approx.	21 gms.

## Dimensions in mm.



## Standard types

DC : 12, 24, 48, 110

F = Mechanical Flag Indicator  
W = Free-Wheeling Diodes

P2-FW .... VDC

**Suitable Sockets : S2D, S2LD, S2P**

## Approvals

