

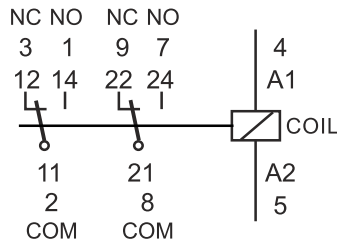


# P2

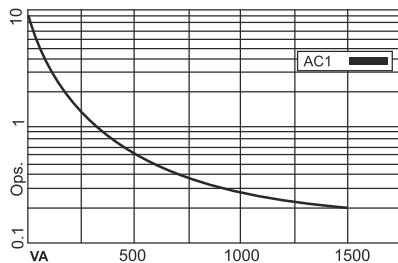


## Two Poles, Change-Over Contact

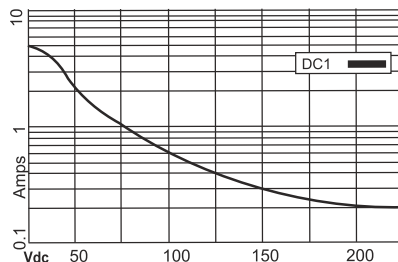
**6A 250V AC1 0.5A 110V DC1**  
**6A 30V DC1 0.2A 220V DC1**



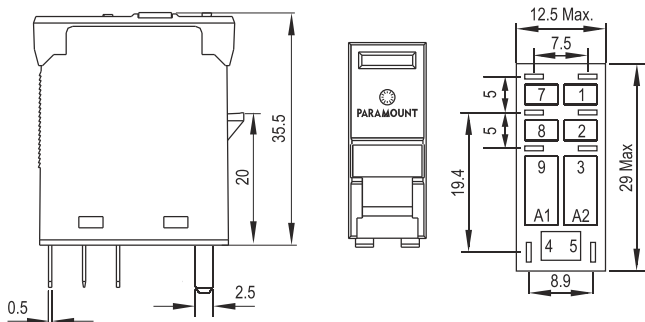
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



### Dimensions in mm.



### 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\*

### Coils (Ohms ± 10% @ 20°C)

Pull-in voltage ≤ 0.8 x Un  
Drop-out voltage ≥ 0.1 x Un  
Nominal coil power 1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1.200	23.0	24	742	32.0
115	7.300	9.5	48	3.500	13.7
230	28.800	4.7	110	19.900	5.5

### Insulation

Dielectric strength (1 minute): Open contacts 1.000 V  
Between adjacent poles 3.000 V  
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.

### Standard types

**AC 50 Hz : 12, 24, 115, 230**  
F = Mechanical Flag Indicator P2-F .... VAC  
P = LED P2-FP .... VAC  
R = RC, (Snubber Circuit) P2-FPR .... VAC

**DC 6, 12, 24, 48, 110, 220**  
F = Mechanical Flag Indicator P2-F .... VDC  
P = LED P2-FP .... VDC  
W = Free Wheeling Diode P2-FPW .... VDC  
Z = Polarity & Free-Wheeling Diodes P2-FPZ .... VDC  
I = Lockable & Manual Push Button P2-FPZI .... VDC  
B = AC/DC Bridge Rectifier (24/48V) P2-FPB .... VDC

### Suitable Sockets : S2D, S2LD, S2P

### Approvals

