



P2-N

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*

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, 48, 115, 230
DC : 12, 24, 48, 110

Common for AC & DC Voltages

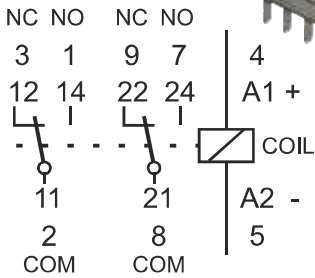
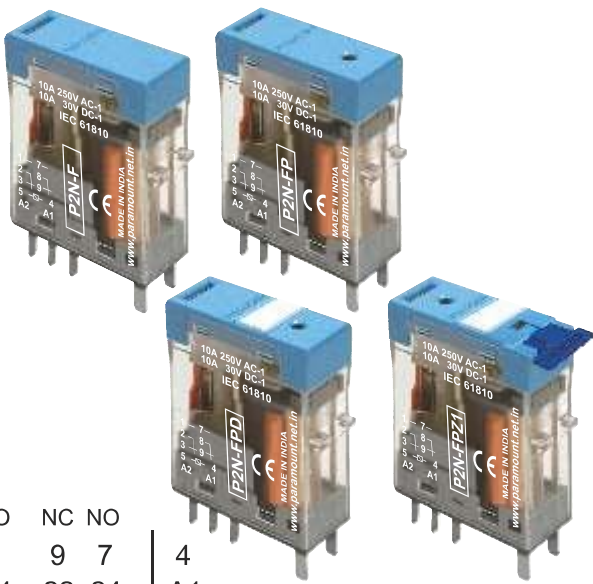
F = Mechanical flag indicator	P2N-F VAC/VDC
P = LED Indicator	P2N-FP VAC/VDC
D = White Label	P2N-FPD VAC/VDC
I = Manual & lockable Push Button	P2N-FPI VAC/VDC

Only for DC Voltages

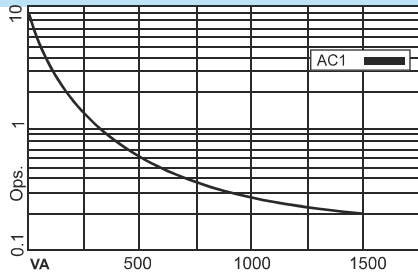
W= Free wheeling Diode	P2N-FPW VDC
Z= Polarity & Free wheeling Diode	P2N-FPZ VDC

Suitable Sockets : S2D-E, S2LD-E, S2P

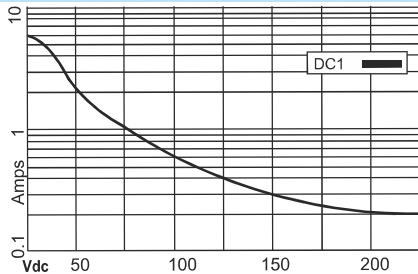
Approvals



Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.

