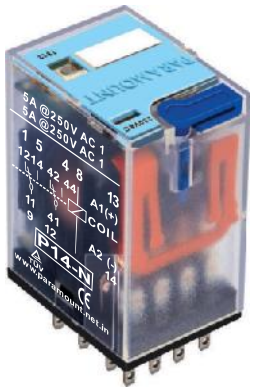
PARAMOUNT
EXPECT MORE...



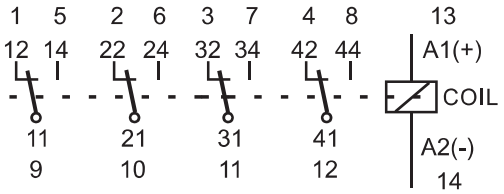
# P14-N

**(Minimum100,000 Electrical Operation)**

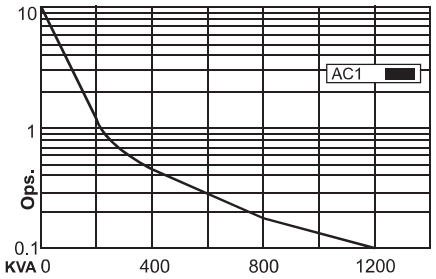
**4 Pole, Change-Over Contacts**

**6 A 250V AC1 50Hz** **6 A 30V DC1**

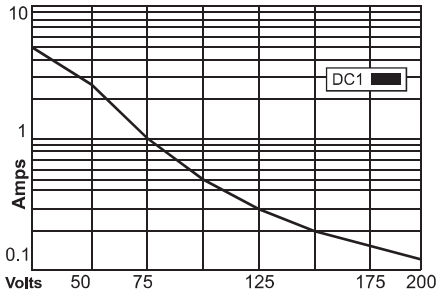
## Pin configuration for P14-N



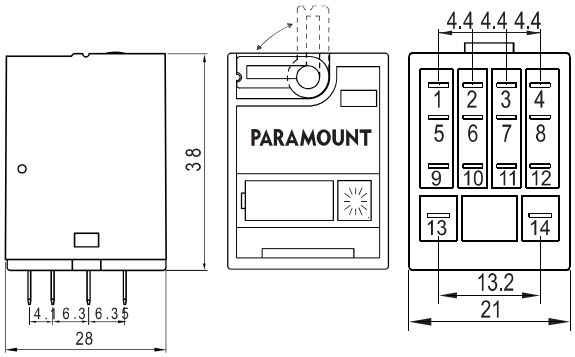

## Graph 1 Electrical life, ops x $10^6$




## Graph 2 Max. DC load




## Dimensions in mm.




## Contacts

| | |
|---|---|
| Materials : Standard | AgNi |
| Code 1 : AgNi + 0.2 Au | AgNi + Au |
| Code 2 : AgNi + 0.2 Au plating | AgNi + Au |
| \Max. switching current | 5 A |
| Max. Peak inrush current (20 ms.) | 15 A |
| Max. Switching voltage | 250 V |
| Max. AC load (Table 1) | 2.5 KVA |

## Coils (Ohms ± 10% @ 20ºC)

| | |
|---|---|
| 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 |

## Insulation

| | |
|---|---|
| Dielectric strength (1 minute): Open contacts | |
| Between adjacent poles | 2.5 KV |
| Between Contacts & Coil | 2.5KV |
| Insolation resistance at 500V | >3GΩ |
| Isolation, IEC 61810-5: | 2.5KV / 3 |

## Specifications

| | |
|---|---|
| Operate Time + Bounce Time | 10 ms. |
| Release Time + Bounce Time | 6 ms. |
| Ambient Temperature | -40ºC (no ice).... +70ºC |
| Mechanical life ops. | 10 Million AC, 20 Million DC relays |
| Electrical life at nominal load | > 100,000 ops. Minimum |
| Operating frequency at nominal load | 1,200 / hour |
| Protection degree | IP40 / RT1 |
| Weight avg. | 43 grs. |

## Standard Types

**AC 50 Hz : 24, 48, 115, 230**

**P** = LED Indicator across the coil — **P14-N-P - 1 .... VAC**
**F** = Mechanical Flag Indicator — **P14-N-FP - 1 .... VAC**
**I** = Manual & Lockable Push Button — **P14-N-FPI - 1 .... VDC**

**DC 12, 24V, 48, 110, 220**

**P** = LED Indicator across the coil — **P14-N-P - 1.... VDC**
**F** = Mechanical Flag Indicator — **P14-N-FP - 1.... VDC**
**I** = Manual & Lockable Push Button — **P14-N-FPI - 1 .... VDC**
**Z** = Free wheeling & Polarity Diode — **P14-N-FZI - 1 .... VDC**
**W** = Free Wheeling Diode — **P14-N-FPW - 1 .... VDC**

## Suitable Sockets : S14LD-R, S14D-R, S14ED-R, S14P-R

## Approvals

TÜV CE