



P14 Relay

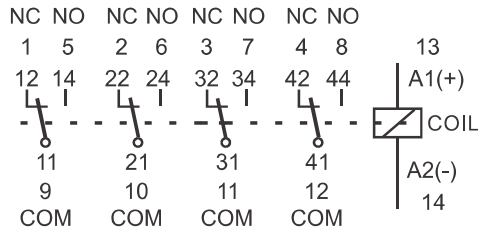


4 Pole, Change-Over Contacts

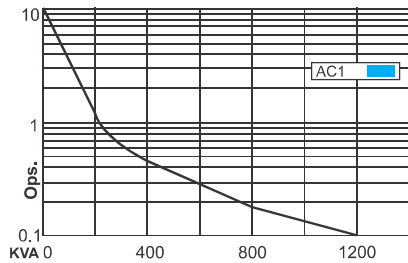
7 A 250V AC1 50Hz

7 A 30V DC1

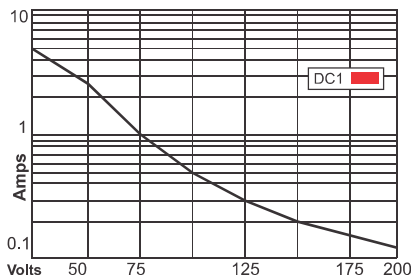
Pin configuration for P14



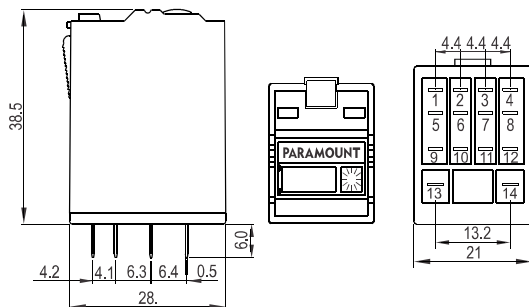
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials: Standard	AgNi
Max. switching current	7 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% @ 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

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	10 ms.
Release Time + Bounce Time	6 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.

Standard Types

AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)	
F = Mechanical Flag Indicator	P14-4-F VAC
P = LED Indicator	P14-4-FP VAC
C = Test to Push Button	P14-4-FPC VAC
I = Lockable Push Button	P14-4-FPI VAC
R = RC Snubber circuit (115 or 230V)	P14-4-FPIR VAC
DC : 6, 12, 24, 48, 110, 220	
F = Mechanical Flag Indicator	P14-4-F VDC
P = LED	P14-4-FP VDC
Z = Polarity & Free Wheeling Diode	P14-4-FPZ VDC
C = Test to Push Button	P14-4-FPZC VDC
I = Lockable Push Button	P14-4-FPZI VDC
B = AC/DC Bridge Rectifier (24/48V)	P14-4-FPIB VDC

Suitable Sockets : S14D, S14LD, S14P

Approvals

