



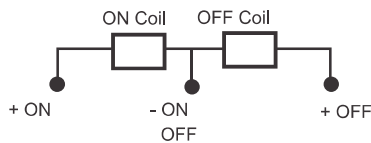
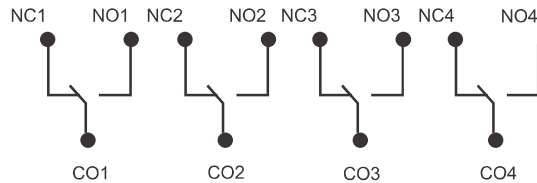
P14-LR-1

Latching Relay, 4CO Contacts

5 A 250V AC1 0.2A 110V DC1
5 A 30V AC1 0.1A 220V DC1

Pin configuration for P14

Contact Terminal Details of P14-L-R-1



Contacts

Materials: Standard code 1 AgNi
 \Max. Switching Current 5 A
 Max. Peak Inrush Current (10 ms.) 15 A
 Max. Switching Voltage 250 V
 Max. AC Load (Table 1) 1200 KVA

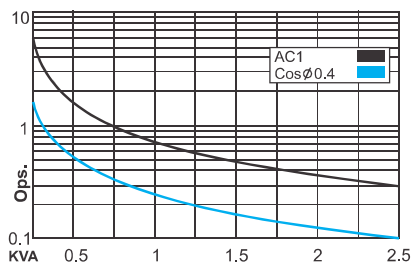
Coils (Ohms \pm 10% @ 20°C)

On Pulse Power 1.2 VA / 1.W
 Off Pulse Power 0.3 VA / 1.W
 One winding for AC. Two windings for DC

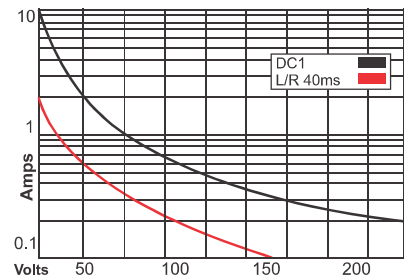
S/N	Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Operate Voltage
1	110VDC	12.5 K Ω	6.9 K Ω	70%
2	220VDC	35 K Ω	19 K Ω	75%

Minimum pulse duration for ON and OFF coil 30 msecs

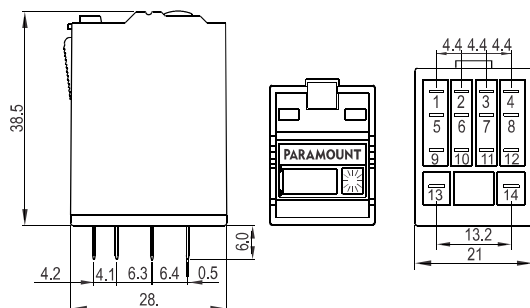
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



Insulation

Dielectric strength (1 min) : Open contacts 1000 V
 Between adjacent poles 2 KV
 Between contacts and coil 2KV
 Isolation Resistance @ 500V 3G Ω
 Isolation, IEC 6 18 10-5 2.5 KV / 3

Specifications

Minimum Pulse length for ON / OFF 50 ms.
 Ambient Temperature 6 ms.
 Mechanical life ops. -40°C (no ice)... +70°C
 Electrical life at nominal load 10 Million AC, 20 Million DC relays
 Operating frequency at nominal load > 100,000 ops.
 Protection degree 1,200 / hour
 Dimension (L x W x H) in mm IP40 / RT1
125 x 30 x 60

Standard Types

DC : 110V P14-L-R-1-110VDC
 DC : 220V P14-L-R-1-220VDC