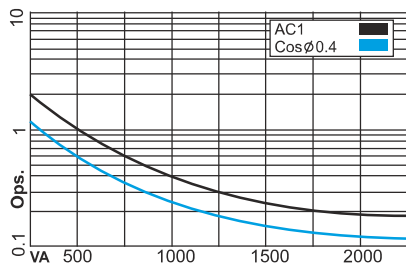
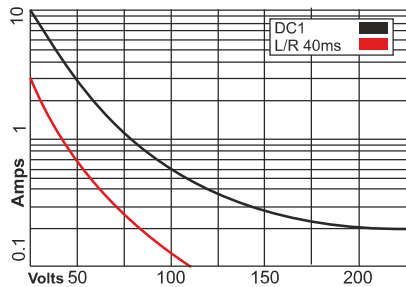


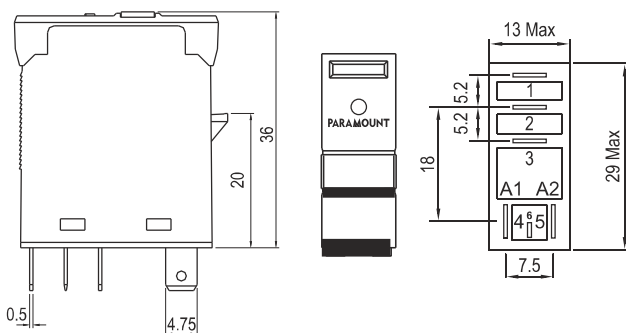
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



P1-L

One Pole, Latching Relay

10A 250V AC1 0.5A 110V DC1
10A 30V DC1 0.2A 220V DC1

Contacts

Materials: Standard AgNi
Optional, code 1 AgNi + Au 0.2μ
Optional, code 2 AgNi + Au 5.0μ
Max. switching current 10 A
Max. Peak inrush current (20 ms.) 30 A
Max. Switching voltage 250 V
Max. AC load (Graph 1) 2.5 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) / W (DC)
Normal OFF Coil Power 0.5 VA (AC) / W (DC)

Coil Voltage VDC	On Coil Resistance in Ω ± 10%	OFF coil Resistance in Ω ± 10%	Must Switch ON/OFF Voltage in VDC	Coil Voltage VAC	On Coil Resistance in Ω ± 10%	OFF coil Resistance in Ω ± 10%	Must Switch ON/OFF Voltage in VAC
12	130.9	355	9	12	130.9	355	9.6
24	500	1.4 K	18	24	500	1.4 K	19.2
48	2.94 K	5.60 K	36	115	11 K	22.52 K	92
110	11 K	22.50 K	82.5	230	40 K	85 K	184

Insulation

Dielectric strength (1 minute):
Open contacts 1 KV
Between Contacts & Coil 5 KV
Insulation 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 (Graph 1) IP40 / RT1
Weight Approx. 21 gms.

Note :- 1) The input ON & OFF pulse width be min.500 Msecs.
2) For Non Standard Coil Voltages. Please Contact Factory
3) Polarity Diode is a Standard Feature

Standard types

AC 50 Hz : 12, 24, 115, 230
L = Latching Relays
F = Mechanical Flag Indicator
P = LED
DC 6, 24, 48, 110

P1-L-FL VAC
P1-L-FPL VAC

F = Mechanical Flag Indicator
P = LED
W = Free Wheeling Diode
Z = Free Wheeling and Polarity Diode

P1-L-F VDC
P1-L-FP VDC
P1-L-FPW VDC
P1-L-FPZ VDC

Suitable Sockets : S1HD-L

Approvals

