

P1



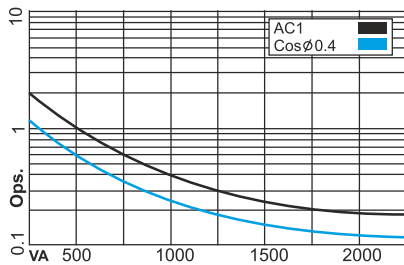
One Pole, Change-Over Contact

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

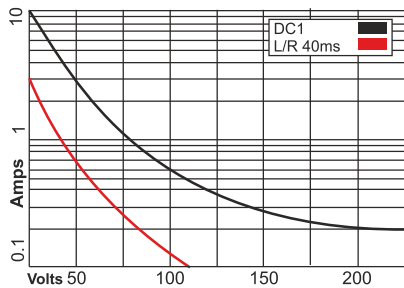
Contacts

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*

Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



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	1200	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

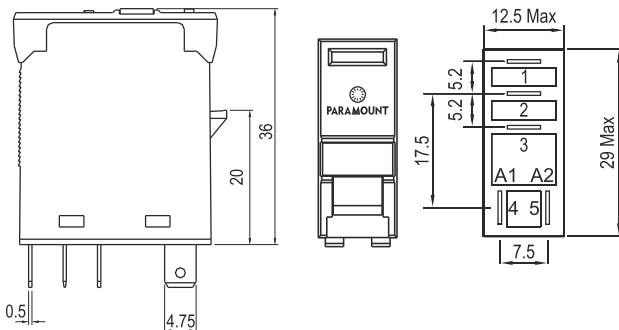
Insulation

Dielectric strength (1 minute):	
Open contacts	1 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.

Dimensions in mm.



Standard types

AC 50 Hz : 12, 24, 115, 230	
F = Mechanical Flag Indicator	P1-F VAC
P = LED	P1-FP VAC
R = R/C (Snubber Circuit)	P1-FPR VAC
DC 6, 12, 24, 48, 110	
F = Mechanical Flag Indicator	P1-F VDC
P = LED	P1-FP VDC
Z = Polarity & Free-Wheeling Diodes	P1-FPZ VDC
I = Lockable & Manual Push Button	P1-FPZI VDC
B = AC/DC Bridge Rectifier (24/48V)	P1-FPB VDC

Suitable Sockets : S10K, S1D, S1LD, S1P

Approvals

