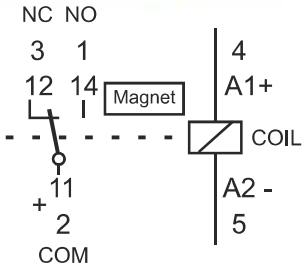
PARAMOUNT
EXPECT MORE...



P1....M

MAGNETIC BLOW OUT

One Pole, Change-Over Contact

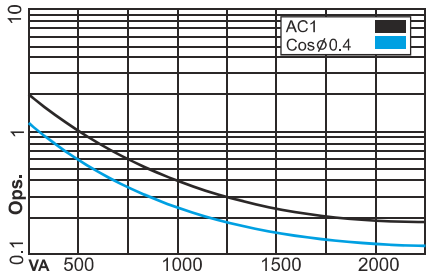
10A 250V AC1 4A 220V DC1

10A 30V DC1 1A 220V DC13

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 6*

Graph 1 — Electrical life, ops x 10^6

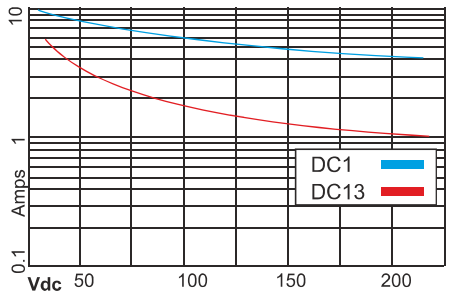


Coils (Ohms ± 10% @ 20ºC)

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

Graph 6 — Max. DC load



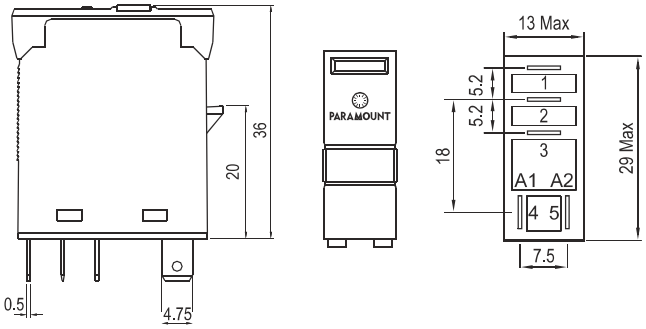
Insulation

Dielectric strength (1 minute):	
Open contacts	1 KV
Between Contacts & Coil	5 KV
Insolation 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	-40ºC (no ice).... +70ºC
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 Grade	IP40 / RT1
Weight Approx.	21 gms.

Dimensions — in mm.



Standard types

AC : 24, 48, 115, 230
M = Magnetic Blow Out

F = Mechanical Flag Indicator	**P1-FM**	**.... VAC**
P = LED	**P1-FPM**	**.... VAC**

DC : 12, 24, 48, 110

F = Mechanical Flag Indicator	**P1-FM**	**.... VDC**
P = LED	**P1-FPM**	**.... VDC**
W= Free Wheeling Diode	**P1-FPWM**	**.... VDC**
Z = Polarity & Free Wheeling Diode	**P1-FPZM**	**.... VDC**

Suitable Sockets : S10K, S1D, S1LD, S1HD, S1P

Approvals

TÜV CE c UL us