

P1-A...M

MAGNETIC BLOW OUT

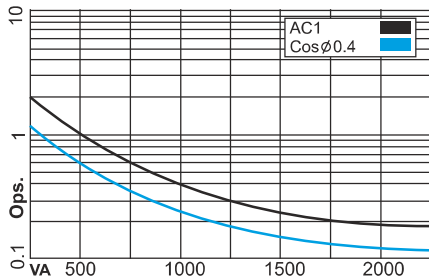
One Pole, Normally Open Contact

10A 250V AC1 8A 220V DC1
10A 30V DC1 2A 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 7*

Graph 1 Electrical life, ops x 10⁶

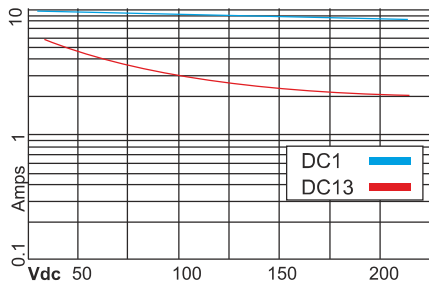


Coils (Ohms ± 10% @ 20°C)

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

Graph 7 Max. DC load



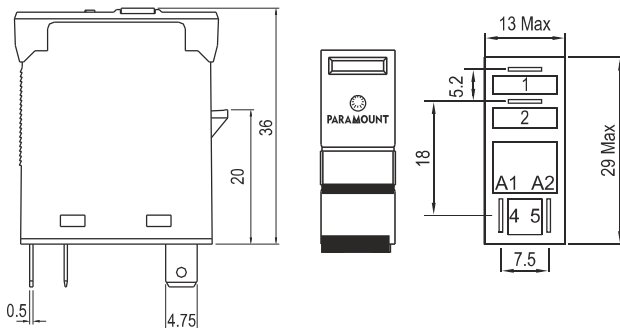
Insulation

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 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
P = LED

P1-A-FM VAC
P1-A-FPM VAC

DC : 12, 24, 48, 110

F = Mechanical Flag Indicator
P = LED

P1-A-FM VDC
P1-A-FPM VDC
P1-A-FPWM VDC
P1-A-FPZM VDC

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

Approvals

