

P2-A...H

HEAVY RATING RELAY

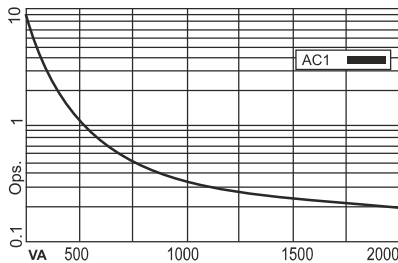
Two Pole, Change-Over Contact

8A 250V AC1 1.0A 110V DC1
8A 30V DC1 0.5A 220V DC1

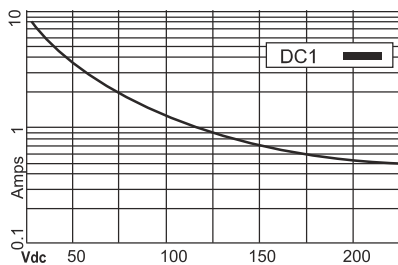
Contacts

Materials: Standard	AgNi
Optional, code 1	AgNi + Au 0.2μ
Optional, code 2	AgNi + Au 5.0μ
Max. Switching current	8 A
Max. Peak inrush current (20 ms.)	30 A
Max. Switching voltage	250 V
Max. AC load (Graph 6) *	2.0 KVA
Max. DC load	See Graph 8*

Graph 6 Electrical life, ops x 10⁶



Graph 8 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	1.200	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

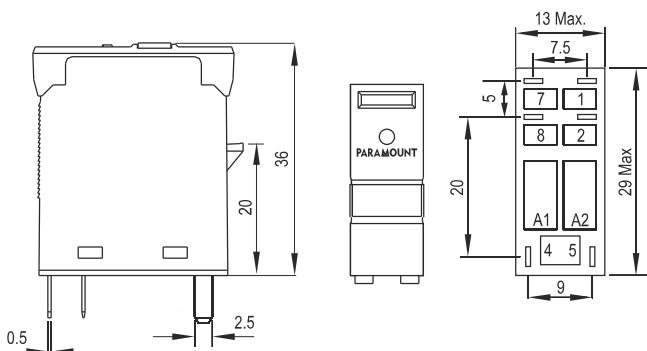
Insulation

Dielectric strength (1 minute):	
Open contacts	1.000 V
Between Adjacent poles	3.000 V
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	
H = Heavy Duty Relays	
F = Mechanical Flag Indicator	
P = LED	
I = Lockable & Manual Push Button	
R = RC Snubber circuit (115 or 230V)	
DC : 12, 24, 48, 110	
F = Mechanical Flag Indicator	
P = LED	
W = Free Wheeling Diode	
Z = Polarity & Free Wheeling Diode	
B = AC/DC Bridge Rectifier (24/48V)	
P2-A-FH VAC
P2-A-FPH VAC
P2-A-FPIH VAC
P2-A-FPIRH VAC
P2-A-FH VDC
P2-A-FPH VDC
P2-A-FPWH VDC
P2-A-FPZH VDC
P2-A-FPBH VAD

Suitable Sockets : S2D-A, S2LD-A, S2P

Approvals

