

Features

- Switching capacity up to 45A.
- SPST-NO & SPDT contact arrangemeng.
- PC board terminals.
- Two pinnigout choices.
- Open an sealed IP67 available types.

ORDERING INFORMATION

	PR216 / 012 A 1 S
Type	
Coil voltage	6,12,24VDC
Contact arrangement	A:1 Form A C:1 Form C
Version	1:U.S.A. Open Model 2:U.S.A. Sealed Model 3:European Open Model 4:European Sealed Model
Coil power	S: Sensitivity (1.2W) Nil:Standard (1.6W)

CONTACT DATA

Contact Arrangement		1A, 1C
Max. Switching current		60A(Inrush Current:100A)
Max. Switching Voltage		75VDC
Contact Rating (resistive)		1A:45A 14VDC 1C:45A(NO)/30A(NC) 14VDC
Max. Switching Power		630W
Contact Material		AgNi AgSnO ₂
Initial Contact Resistance		100mΩ
Operational life	Electrical	1×10 ⁵ ops
	Mechanical	1×10 ⁷ ops

COIL DATA

Standard Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	MaxAllowable Overdirve VDC		Coil Resistance Ω
			23℃	85℃	
6	3.3	0.6	9.0	6.5	19
12	6.8	1.2	19.6	14.3	90
24	13.9	2.4	39.3	28.6	362

Sensitive Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	MaxAllowable Overdirve VDC		Coil Resistance Ω
			23℃	85℃	
6	4.5	0.6	11	8.0	30
12	9.0	1.2	22.1	16.2	120
24	19.2	2.4	44.3	32	480

CHARACTERISTICS

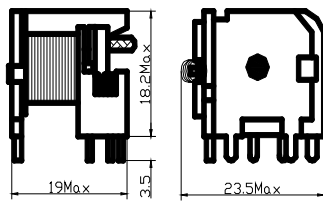
Initial Insulation Resistance	500M Ω , 500VDC
Dielectric Strength	500VAC
Operate time(at nomi. Volt.)	Max. 10ms
Release time(at nomi. Volt.)	Max. 10ms
Power Consumption	1.6W/1.2W
Destructive	10 to 40Hz, 1.27mm
Shock Resistance	200m/s ²
Storage Temperature	-40°C to +155°C
Temperature	-40°C to +105°C
Unit weight	20g
Termination	PCB

Dimensions

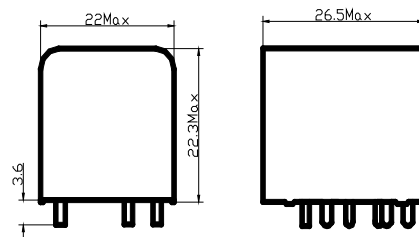
mm

Outline Dimensions

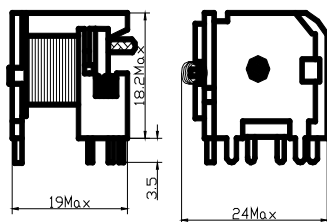
U.S.A. Open Model (-1)



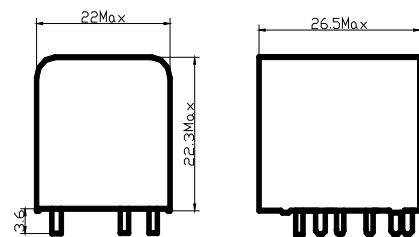
U.S.A. Sealed Model (-2)



European Open Model (-3)

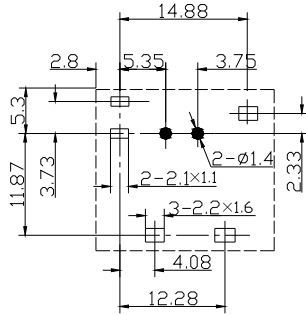


U.S.A. Sealed Model (-4)

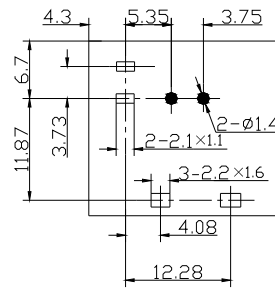


PC Board Layout

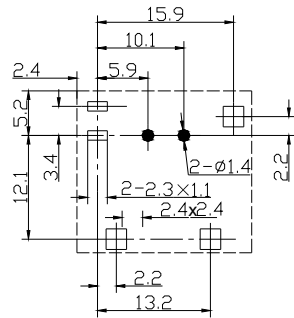
U.S.A. Open Model (-1)



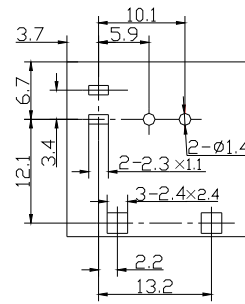
U.S.A. Sealed Model (-2)



European Open Model (-3)

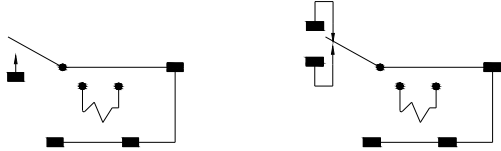


European Sealed Model (-4)



Wiring diagram (Bottom views)

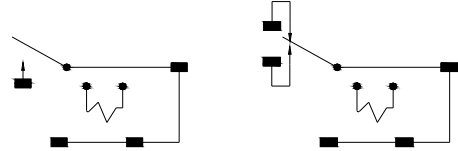
-1/3



1H

1C

-2/4



1H

1C