



- 12A switching capacity under small size, suitable for high density P.C. Board mounting technique
- 10mm creepage distance withstand 10,000V surge
- Dielectric strength of 5000VAC
- High sensitive type for low consumption is available Complete sealed type is available if required

SPECIFICATIONS

Contact

Arrangement	1A , 1B , 1C
Contact Material	Silver alloy
Contact Resistance (By voltage drop 6V 1A)	50mΩ&8486;
Rating Resistive load (cosφ=1)	12A 250VAC
Max. Switching current	12A
Max. Switching voltage	440VAC
Max. Switching power	2500VA~3000VA
Expected life(min.ope) Mechanical(at 120 cpm) Electrical (at 20 cpm)	1×10 ⁷ (72,000 OPS/HOUR) 1×10 ⁵ (360 OPS/HOUR)

Characteristics

Operate Time	7 msec.	
Release Time	3 msec.	
Operating humidity	35% to 85% RH	
Initial breakdown voltage Between coil & contact Between open contacts Between contacts sets	5000VAC 1000VAC 2500VAC	
Insulation Resistance	100MΩ 500VDC	
Ambient temperature	-40°C to 85°C	
Temperature rise(Max)	45 deg	
Shock Resistance	Functional	10G
	Destruction	100G
Vibration Resistance	Functional	10~150Hz 10G / 5G
	Destruction	10~150Hz 10G / 5G
Insulation withstand voltage	10,000V (1.2 × 50μ)	
Temp. Rise	55°C	
Unit weight	13.6g	

Coil

Nominal operating power	0.25w, 0.4W
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TYPICAL APPLICATION

1.Computers,Consumer Electronics,Process Controls,Copiers.2.Aalarm Systems, HVAC, Incandescent ampcontrols.

ORDERING INFORMATION

e. g.

WJ122 - 1 H - 12VDC 1
1 2 3 4 5

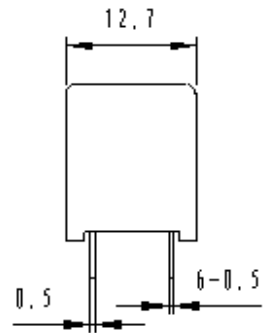
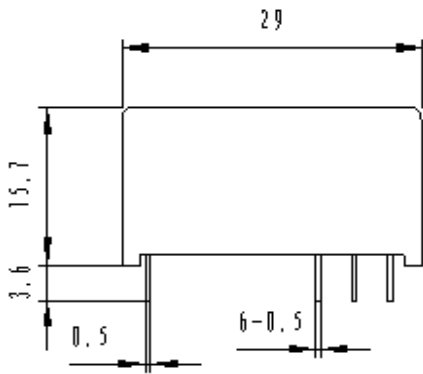
1. Part Number	2. Number of pole	3. Contact Form	4. Coil Voltage	5.
WJ122	1A: SPST-NO 1B: SPST-NC 1C:SPDT	Nil-Standard(0.4W coil power) H-High Sensitive (0.25W coil power)	DC:6,12,24, 48,60,110V	1: 3.5mm Gap terminal 2:5mm Gap terminal

COIL DATA (at 20°C)

Nominal Voltage(VDC)	Nominal Current (mA)		Coil Resistance (Ω) \pm 10%		Pull-in Voltage (VDC)		Drop-out Voltage (VDC)
	Standard	Sensitive	Standard	Sensitive	Standard	Sensitive	
5	80.00	50.00	62	100	3.50	3.75	0.5
6	66.70	41.70	90	144	4.20	4.50	0.6
12	33.30	20.80	360	576	8.40	9.00	1.2
24	16.70	10.40	1440	2304	16.80	18.00	2.4
48	8.30	5.40	5760	9216	33.60	36.00	4.8
60	8.00	4.70	7500	12857	42.00	45.00	6.0
110	4.30	/	25200	/	77.00	/	11.0

DIMENSIONS

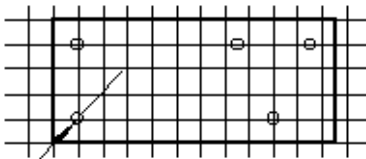
Unit: mm



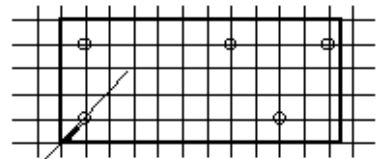
PCB LAYOUT

($T=2.52 \pm 0.02$ mm)

3.5 mm terminal gap
(WJ122-1X-XVDC-1)

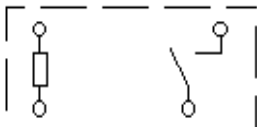


5 mm terminal gap
(WJ122-1X-XVDC-2)

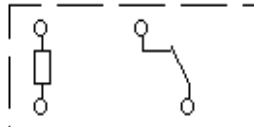


WIRING SCHEMATIC

1A



1B



1C

