



- 16A switching capacity under smallest 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
Rating Resistive load (cosφ=1)	16A 250VAC
Max. Switching current	16A
Max. Switching power	4000VA
Max. Switching voltage	440VAC
Expected life(min.ope) Mechanical(at 120 cpm)	1×10 <sup>7</sup> (72,000 OPS/HOUR)
Electrical (at 20 cpm)	1×10 <sup>5</sup> (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 / 105°C	
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 × 50us)	
Temp. Rise	55°C	
Unit weight	13.6g	

### Coil

Nominal operating power	0.25w, 0.4W
-------------------------	-------------

### TYPICAL APPLICATION

Cooking appliances, air controlling equipment, etc.

### ORDERING INFORMATION

e. g.

**WJ124 - 1 H - 12VDC**

①      ②      ③      ④

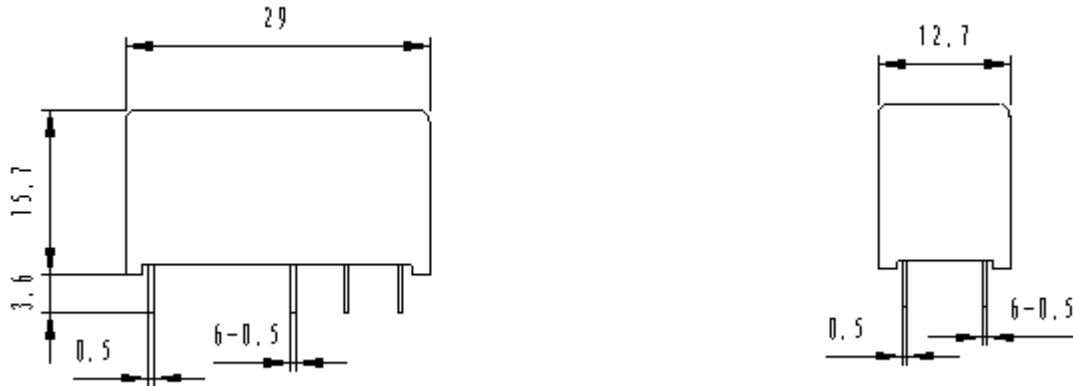
①Relay Series	②Contact Arrangement	③Coil power	④coil voltage
WJ124	1A:SPST-NO 1B:SPST-NC 1C:SPDT	Nil-Standard(0.4W coil power)H-High Sensitive(0.25W coil power) I-Inrsh Current 80A(only 1Atype) T-High Temp 0.5 <sup>0</sup> C	5, 6, 12, 24, 48, 110v

# COIL DATA (at 20°C)

Nominal Voltage (VDC)	Nominal Current (mA)		Coil Resistance ( $\Omega$ ) $\pm$ 10%		Pull-in Voltage (VDC)		Drop-out Voltage (VDC)
	Standard/ Inrush / Temp.	Sensitive	Standard/ Inrush / Temp.	Sensitive	Standard/ Inrush / Temp.	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

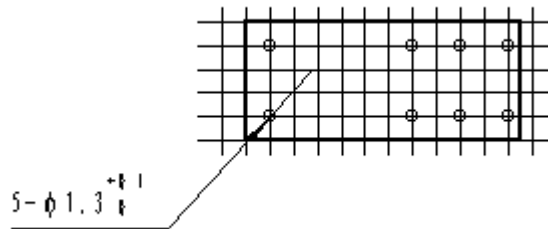
## DIMENSIONS

Unit: mm



## PCB LAYOUT

( $T=2.52\pm 0.02\text{mm}$ )



## WIRING DIAGRAM

1A

1B

1C

