



- 8A switching capacity under small size, suitable for high density P.C. Board mounting technique
- 10mm creepage distance.withstand 10,000V surge
- Complete sealed type is available if required

## SPECIFICATIONS

### Contact

Arrangement	2A , 2B , 2C
Contact Material	Silver alloy
Contact Resistance (By voltage drop 6V 1A)	50mΩ
Rating Resistive load (cosφ=1)	8A 250VAC
Max. Switching current	8A
Max. Switching voltage	2000VA
Max. Switching power	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	
Shock Resistance	Functional	10G
	Destruction	100G
Vibration Resistance	Functional	10~150Hz 10G / 5G
	Destruction	10~150Hz 10G / 5G
Insulation withstand voltage	10,000V	
Temp. Rise	55°C	
Unit weight	13.6g	

### Coil

Nominal operating power	0.4W
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## TYPICAL APPLICATION

1. Computers, Consumer Electronics, Process Controls, Copiers.
2. Alarm Systems, HVAC, Incandescent lamp controls.

## ORDERING INFORMATION

e. g.

**WJ123 - 2 C - 12VDC**  
**1 2 3 4**

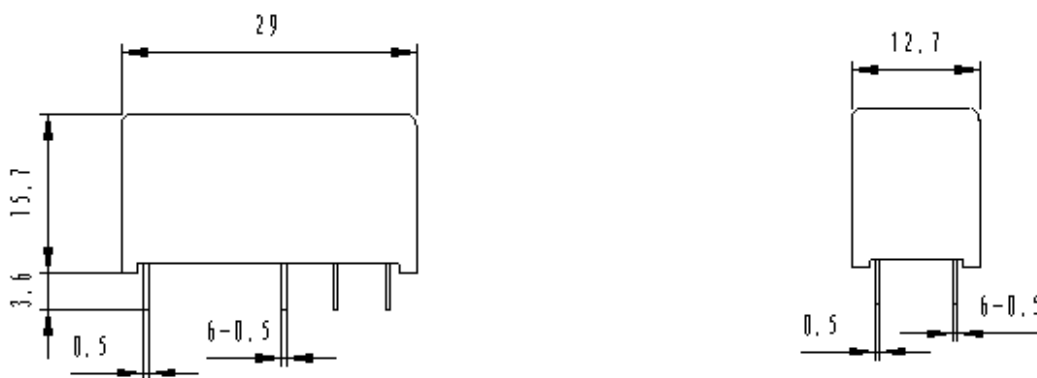
1. Relay Series	2. Number of pole	3. Contact form	4. Coil voltage
WJ123	1:1group	2A: DPST-NO 2B: DPST-NC 2C: DPDT	5, 6, 12, 24, 48, 110v

# 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	Sensitive	Standard	Sensitive	Standard	Sensitive	
5	80.00	50.00	62	100	3.50	3.80	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	13.90		2304	16.80	18.00	2.4
48	8.30	10.40	5760	9216	33.60	36.00	4.8
60	8.00	5.40	7500	12857	42.00	45.00	6.0
110	4.30	4.70	25200	/	77.00		11.0

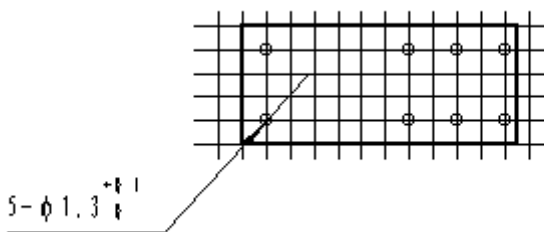
## DIMENSIONS

Unit: mm



## PCB LAYOUT

( $T=2.52\Omega$  0.02mm)



## SCHEMATIC

1A

1B

1C

