



12.5\*7.5\*10mm

# NB23

## Product Features

- ◆ Low coil power consumption
- ◆ High sensitivity
- ◆ Small size, light weight
- ◆ PC board mounting

## Contact Rating

Contact Form	1C	
Contact Material	AgNi (Au Clad)	
Contact Load Capacity	0.5A/125VAC, 1A/30VDC, 0.3A/60VDC	
Switching Power Max.	30W 62.5VA	
Switching Voltage Max.	60VDC 125VAC	Switching Current Max.:1A
Contact Resistance Max.	100mΩ	
Life expectancy	Electrical	10 <sup>5</sup>
	Machanical	10 <sup>7</sup>

## Coil Rating

Coil Voltage(VDC)		Coil Resistance (Ω±10%)		Pick up (VDC) Max. (75% of Rated Voltage)	Drop out (VDC) Min. (10% of Rated Voltage)	Power (W)	Operate Time (ms)	Release Time (ms)
Rated	Max.							
1.5	1.95	15	11.3	1.125	0.15	0.15/0.20	≤5	≤5
3	3.9	60	45	2.25	0.3			
5	6.5	166.7	125	3.75	0.5			
6	7.8	240	180	4.5	0.6			
9	11.7	540	405	6.75	0.9			
12	15.6	960	720	9	1.2			
24	31.2	3840	2880	18	2.4			

**Note:**1.Realys will be damaged if coil voltage lower than rated voltage.

2.The voltage of pick up and drop out is only for inspection, not for application.

## Designation

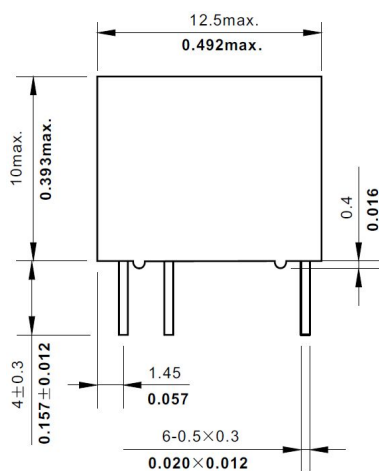
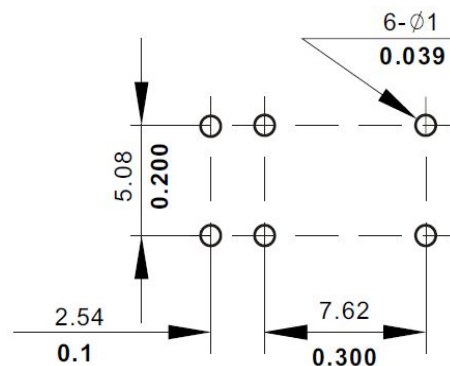
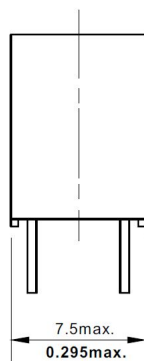
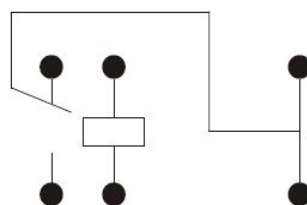
<u>NB23</u>	<u>12VDC</u>	<u>C</u>
1	2	3
1 Model No.		
2 Rated Coil Voltage: 1.5,3,5,6,9,12,24VDC		
3 C: Contact form: Normally open&close		
Note: Coil power need to be specified before ordering.		

**Technical Rating**

Insulation Resistance		Min.100M $\Omega$ (500VDC)
Dielectric Strength	Between Contacts	50Hz 500V
	Between Coil&Contact	50Hz 1000V
Shock Resistance		100m/s <sup>2</sup> 11ms
Vibration Resistance		10~55Hz double amplitude 1.5mm
Leading-out Terminal Strength		5N
Weldability		235℃ $\pm$ 2℃ 3 $\pm$ 0.5s
Ambient Temperature		-30~70℃
Relative Humidity		35%~85% (at 40 )
Weight		2.2g

**Dimensions**

(Unit: mm/inch)


**Outline Dimensions**

**Bottom View Layout**

**Wiring Diagram(Bottom View)**

Note: Dimensions for reference only.