SINETONG INTERNATIONAL(SINGAPORE)PTE.,LTD.

NB160

(30.6*16.2*24.8)mm

QUICK DETAILS

Brand Name: SINETONG

Model Number:NB160

Size:Miniature

Theory: Power Relay

Contact Load: High Power

PRODUCT ADVANTAGE

1.Can be welded directly onto PCB.

2.50A contact switching capability.

3.Used in household appliance, new energy, charging stations and etc.

ORDER INFORMATION

NB160 — 12VDC— S—A — X

1 2 3 4 5

1. Model: NB160

2. Coil Rated Voltage(VDC): 6, 9, 12, 24, 48;

3. Contact material: S: AgSnO2

4. Contact Form: A: 1A

5. Customer code: X：D109V G-1.5mm

CONTACT DATA

Contact Arrangement		1A
Contact Material		$AgSnO_2$
Contact Rating (resistive)		Resistive: ：50A 250VAC；Making 20A,Loading 50A,Breaking 20A 277VAC.
Max. Switching Power		15000VA
Max. Switching Voltage		277VAC
Contact Resistance or Voltage drop		≤50mΩ
Operation life	Electrical	1、50A: 10^4 2、20 Amps ON, with 50 Amps load current and 20 Amps off: $5*10^4$ 次
	Mechanical	10^7

COIL DATA

Coil voltage (VDC)		Coil Resistance (Ω±10%)	Pick-up Voltage(Max.) (VDC) (70%of rated voltage)	Drop-out Voltage(Min.) (VDC) (10% of rated voltage)	Coil Power Consumption (W)	Operate Time (ms)	Release Time (ms)
Rated	Max.						
5	6	20.8	3.75	0.5	1.2	≤20	≤10
12	14.4	120	9.0	1.2			
24	28.8	480	18.0	2.4			
48	57.6	1920	36.0	4.8			

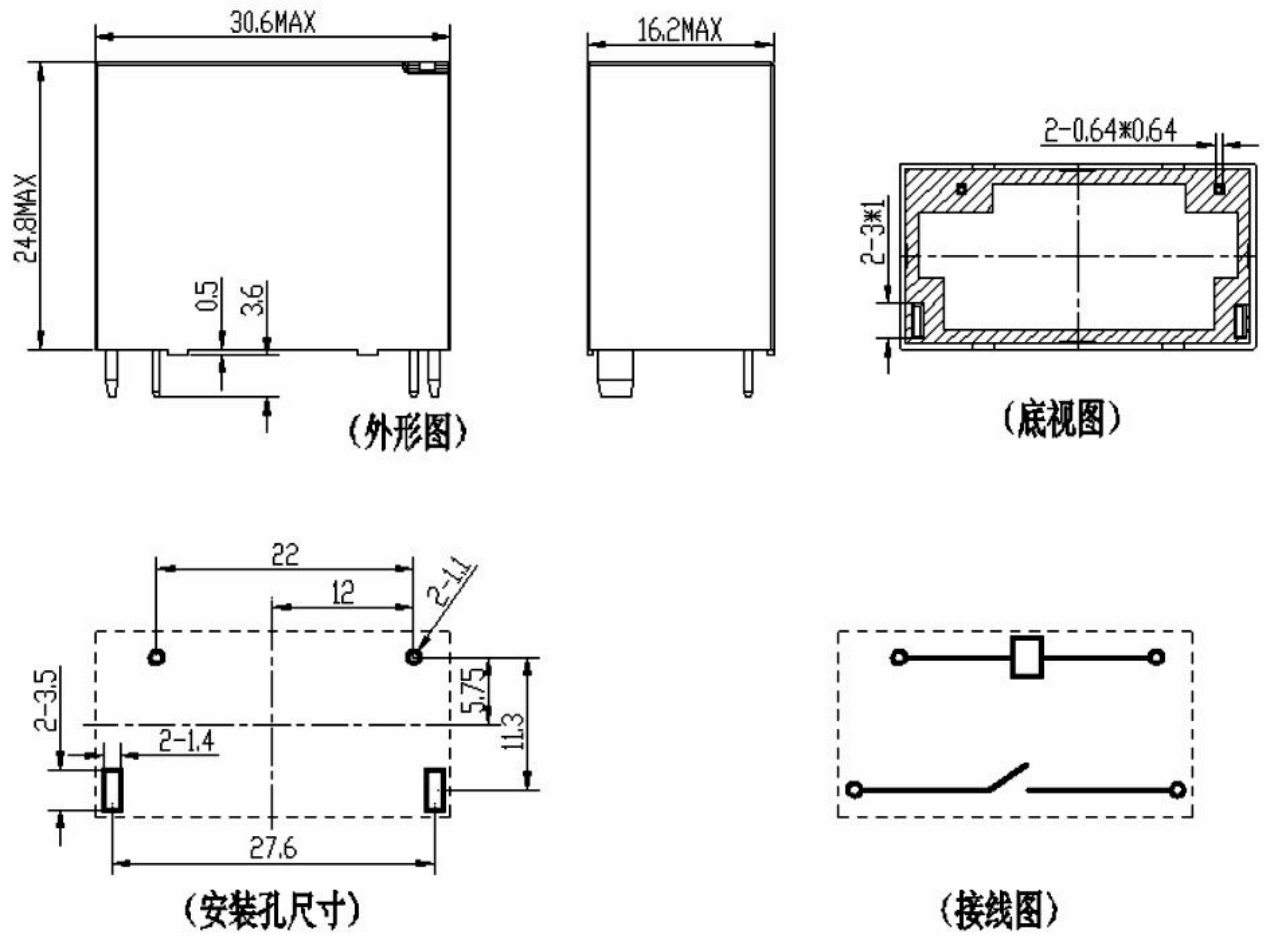
CAUTION: 1). If the working coil voltage is less than rated, it will compromise the operation of the relay.
2). Operating and release voltages are for testing purpose only, not to be used as design criteria

GENERAL DATA

Insulation Resistance		1000MΩ min. (at 500VDC)
Dielectric Strength	Between Contacts	50Hz 3000V
	Between Contact and coil	50Hz 4500V surge voltage:10KV

Shock Resistance	Functional:100m/s^2 11ms Endurance:1000 m/s^2 11ms
Vibration Resistance	10~55Hz Double amplitude Functional 1.5mm Double amplitude Endurance 2.0mm
Withstand Short-circuit Current	3000A、850A(3ms)
Withstand Short-circuit Voltage	6.2KV(1.2/50us)
Shock Current	192A（2S）
Ambient Temperature	-40~85℃
Relative Humidity	20~85%
Weight	25g

Installation Diagram



NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only