



NB903

50.2*27*28mm

Product Features

- ◆ Nominal coil voltage Max.277VAC
- ◆ 2500VAC for dielectric strength between contact and coil
- ◆ Coil insulation grade Class F
- ◆ Contacts switching capability: 40A
- ◆ Dust-proof&Sealed type
- ◆ Complies with RoHS-Directive

Contact Rating

Contact Form	1C	
Contact Material	Ag Alloy	
Contact Load Capacity	1C NO: 40A 240VAC,30VDC NC: 30A 277VAC 1.5HP 240VAC	
Switching Power Max.	9600VA	
Switching Voltage Max.	277VAC	
Switching Current Max.	40A	
Contact Resistance Max.	30mΩ（1A，24VDC）	
Life expectancy	Electrical	10 ⁵
	Machanical	10 ⁷

Safety Approval Rating

Approval	CQC	UL
Load Rating	40A 240VAC 30VDC	30A 277VAC 1.5HP 240VAC,TV-5

Coil Rating

Coil Voltage(AC)		Coil Resistance $\Omega \pm 10\%$	Pick up (VDC) Max. (75% of Nominal Voltage)	Drop out (VDC) Min.(30% of Nominal Voltage)
Nominal	Max.			
24	31.2	120	18	7
110	143	2360	83	33
120	156	3040	90	36
220	286	13490	165	66
240	312	13490	180	72
277	360	15000	208	83

Technical Rating

Insulation Resistance		Min.1000M Ω (500VDC)	IEC 60255-5
Dielectric Strength	Between Contacts	1500VAC	IEC 60255-5
	Between Coil&Contact	2500VAC	IEC 60255-5
Operate Time		$\leq 15\text{ms}$	
Release Time		$\leq 10\text{ms}$	
Shock Resistance		Operation extremes 10G Damage limits 100G	IEC 68-2-27 test Ea
Vibration Resistance		10Hz $\sim$ 55Hz amplitude 1.5mm	IEC 68-2-6 test Fc
Ambient Temperature		- 40 $^{\circ}\text{C} \sim 85^{\circ}\text{C}$; - 40 $^{\circ}\text{C} \sim 105^{\circ}\text{C}$	
Relative Humidity		85% RH , 40 $^{\circ}\text{C}$	IEC 68-2-3 test Ca
Weight		Approx.34g	
Package		Sealed;Dust-proof type	

Designation

NB903	—	AC220	S	—	S	—	C	T-105°C	Φ3.1	X
1		2	3		4		5	6	7	8

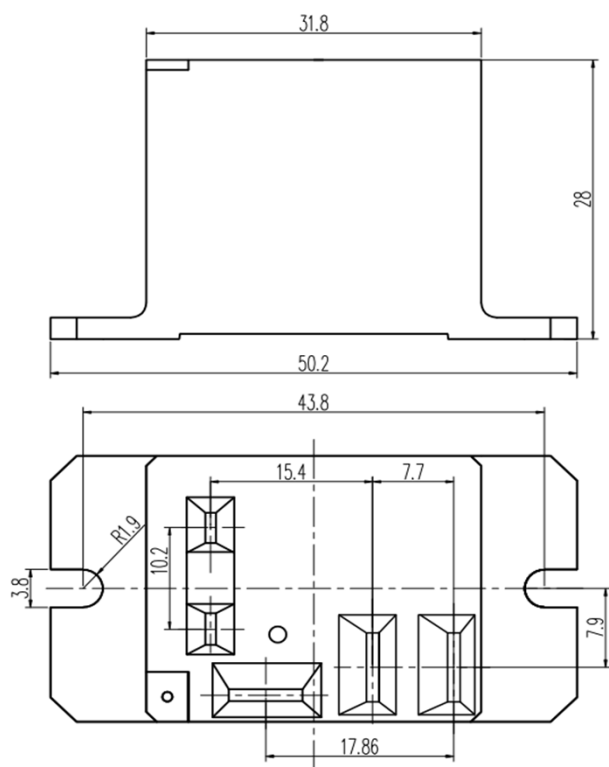
- 1、**NB903**: Model No.(Max. contact load capacity 40A)
- 2、**AC220**: Nominal Coil Voltage:220VAC
- 3、**S**: Package: S:Sealed D:Dust-proof
- 4、**S**: Contact Material: S:AgSnO₂: C:AgCdO
- 5、**C**: Contact Form: A:Normally Open B:Normally Close C:SPDT(Normally Open&Close)
- 6、**T-105°C**: Ambient Temperature Max.105°C Nil:Ambient Temperature Max.85°C
- 7、**Φ3.1**: Quick Terminal Hole Dia:3.1mm Nil:Quick Terminal Hole Dia:1.6mm
- 8、**X**: Customer special Code

Note:(1) Applying under clean environment(excluding H₂S、SO₂、NO₂、dust contaminants), dust-proof type is recommended;

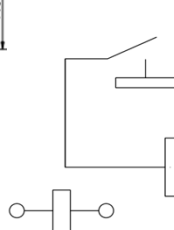
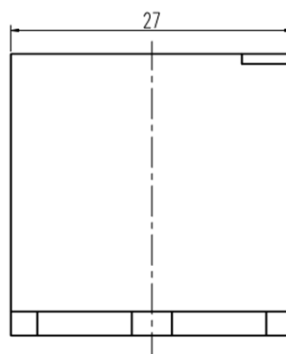
Applying under polluted environment(containing H₂S、SO₂、NO₂、dust contaminants), sealed type is recommended, and please confirm during practical applying;

- (2) When installed on PCB,and entire washing is needed,please notice us before order, so as to provide proper items;
- (3) If dielectric strength between coil&contacts have to overs 2500VAC, please notice us before order, so as to provide proper items;
- (4) Avoid applying under strong magnetic or shock extremes,or technical rating will change.

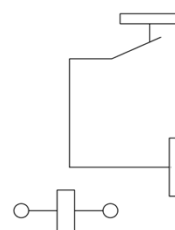
Dimensions



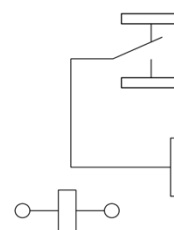
NB903 外形图



1A



1B



1C

NB903 接线图

Note: 1. Unit: mm

2. Dimensions for reference only.

Engineering Data

