



NB903

(32*27.2*20)mm

QUICK DETAILS

Brand Name: Sinetong

Model Number: NB903

Size: Miniature

Class F insulation available

Environmental friendly product

Theory: Electromagnetic Relay

Contact Load: High Power

ORDER INFORMATION

NB903 _ -AC220 S -- S -- A 4 -L

1 2 3 4 5 6 7 8

1. Model Number: NB903

2. E: Max 30A for NO Type Without E: Max 40A for NO Type

3. Coil Rated Voltage: 24V; 110V; 120V; 220V; 240V; 270V(AC)

4. Construction: S: Sealant; D: Dust-proof

5. Contact Material: S: AgSnO2 C: AgCdO

6. Contact Form: A: Normal Open(NO) B: Normal Close(NC) C: Conversion(C)

7. Pin-out Form :

A4: without middle pin-out for NO type A5: with middle pin-out for NO type

B4: without middle pin-out for NC type B5: with middle pin-out for NC type

C5: without middle pin-out for conversion

C6: with middle pin-out for conversion

8. Low profile (H: 20mm) Nil: Tall Profile(H: 28mm)

COIL DATA

NO.	Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$	Pick-up Voltage VAC (Max.)	Drop-out voltage VAC (Max.)
	Rated	Max.			
24	24	31.2	120	18	7
110	110	143	2360	83	33
120	120	156	3040	90	36
220	220	286	13490	165	66
240	240	312	13490	180	72
277	277	360	15000	208	83

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

CONTACT DATA

Contact Form	1A	
Contact Material	AgSnO ₂	
Contact Load	NO: 40A 240VAC/30VDC 30A 277VAC 1HP 240VAC, TV-5	
Max. Switching Power	11000VA	
Max. Switching Voltage	277VAC	
Max. Switching Current	A: 40A ;	
Contact Resistance	Max. 50m Ω (1A , 24VDC)	
Life	Electrical	40A: 3×10^4 30A: 10^5
	Mechanical	10^7

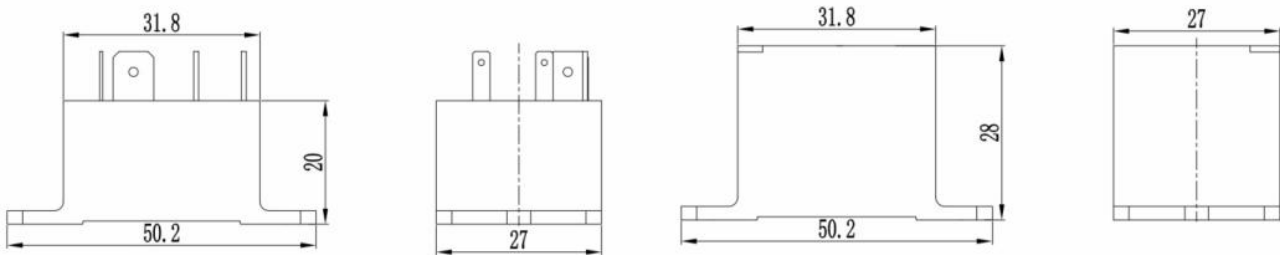
GENERAL DATA

Insulation Resistance	1000M Ω (500VDC)
Dielectric Strength	Disconnect Between Contact: 1500VAC
	Between Coil & Contacts : 2500VAC/min
Operation Time	≤ 15 ms
Release Time	≤ 10 ms
Shock Resistance	Operation extremes 10G, Damage limits 100G
Anti Vibration Type	10Hz~55Hz Double Amplitude 1.5mm
Ambient Temperature	-55 $^{\circ}$ c~85 $^{\circ}$ c
Relative Humidity	85% RH , 40 $^{\circ}$ C

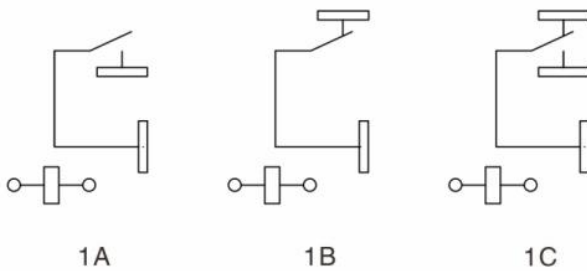
Weight	About 34.0g
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Installation Diagram

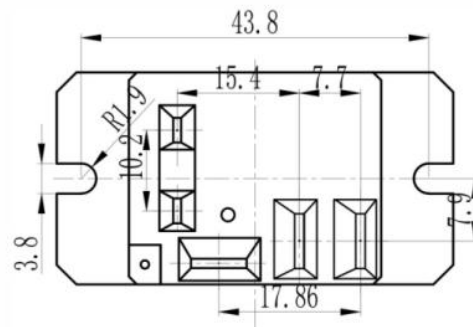
Outline Dimensions



Wiring Diagram (Bottom View)

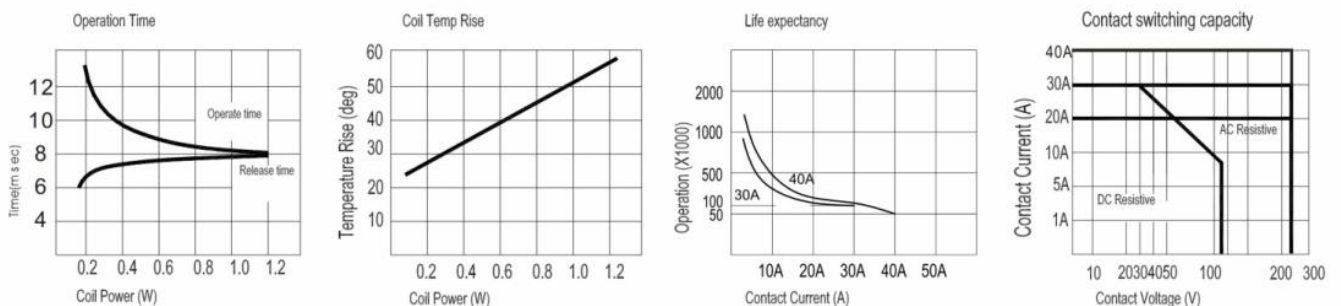


PCB Layout (Top View)



- Remarks: (1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
 (2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

Performance Chart



Note: Specification and dimensions in this catalogue are for reference only and subject to change without notice.