



20.3 × 7 × 15.3

# NT10



## Features

- 7A(250VAC),5A(30VDC) high capacity switching.
- Small size, light weight and low coil power consumption.
- PC board mounting is available.
- Ambient operating temperature: max. 105°C.
- Suitable for home appliance application , automatic system , electronic equipment , instruments ,communication device, remote control device and so on.

## Ordering Information

**NT10 - A - S - 12 - N**  
 1      2      3      4      5

1 Part number: NT10  
 2 Contact arrangement: A:1A  
 3 Enclosure: S:Sealed type;Z:Dust cover  
 4 Coil rated voltage(V):DC:5,12,18,24

5 Contact Material: N:AgNi; Nil:AgSO<sub>2</sub>

## Contact Data

Contact Arrangement		1A (SPSTNO)	
Contact Material		AgNi AgSO <sub>2</sub>	
Contact Rating (resistive)		5A,7A/250VAC,5A/30VDC	
Max. Switching Power		150W 1750VA	
Max. Switching Voltage		30VDC 250VAC	Max. Switching Current:7A
Contact Resistance or Voltage drop		≤100mΩ	Item 4.12 of IEC 61810-7
Operational Life	Electrical	5A/250VAC 105°C 1×10 <sup>5</sup> 7A/250VAC 105°C 1×10 <sup>5</sup>	Item 4.30 of IEC 61810-7
	Mechanical	5×10 <sup>5</sup>	Item 4.31 of IEC 61810-7

## Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pick up voltage VDC(max) (75% of rated voltage )	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-200	5	8	125	3.75	0.5	0.2	≤10	≤10
012-200	12	19.2	720	9	1.2			
018-200	18	28.8	1620	13.5	1.8			
024-200	24	38.4	2880	18	2.4			

**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.  
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

### Operation condition

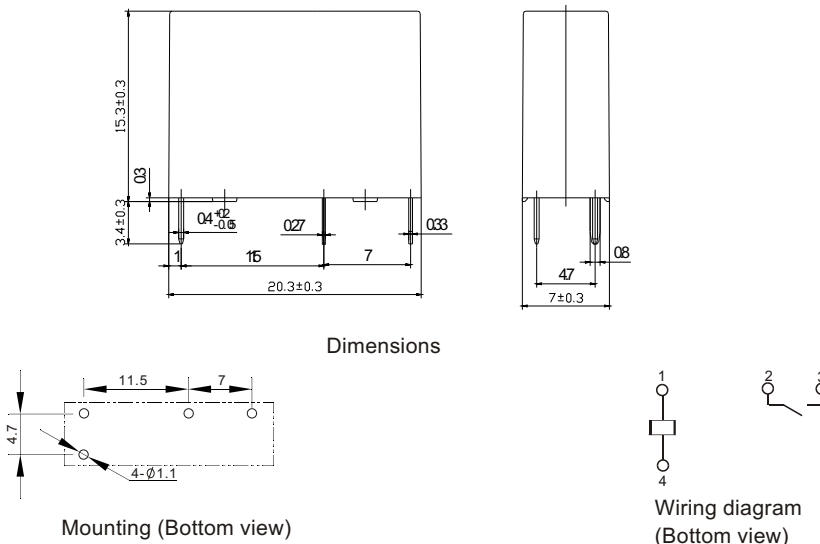
Insulation Resistance	1000M $\Omega$ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 750V 50Hz 4000V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Impulse withstand voltage (Between contact and coil)	10kV (1.2/50 $\mu$ s)	
Shock resistance	Functional:100m/s <sup>2</sup>	IEC 68-2-27 Test Ea
	Destructive:1000m/s <sup>2</sup>	
Vibration resistance	Functional: 10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
	Destructive:10Hz~55Hz double amplitude 1.5mm	
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	260 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C 5s $\pm$ 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40 $^{\circ}$ C~105 $^{\circ}$ C	
Relative Humidity	5%~85% (at 40 $^{\circ}$ C)	IEC 68-2-3 Test Ca
Mass	Approx.4g	

### Safety approvals

Safety approval	UL	VDE
Load	5A/250VAC,30VDC 100000ops 85 $^{\circ}$ C	5A/250VAC 100000ops 105 $^{\circ}$ C

### Dimensions

mm



NOTES 1).Dimensions are in millimeters.  
2).Inch equivalents are given for general information only.

### Reference Data

