

# NT76



22.3×16.6×11

CE E9930952E01 CQC 04001010695  
 US E160644 R2033977  
 Patent NO.:99206684.0

Features	
<ul style="list-style-type: none"> <li>Super light in weight.</li> <li>High sensitivity.</li> <li>Switching capacity up to 16A.</li> <li>PC board mounting.</li> </ul>	

Ordering Information	
<b>NT76</b>	<b>C S DC12V C 0.2</b>
1 Part number: NT76	4 Coil rated voltage(V): DC:5,6,9,12,18,24,48,100
2 Contact arrangement: A:1A; C:1C	5 Contact material: C: AgCdO; S: AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>
3 Enclosure: S: Sealed type; Z: Dust cover	6 Coil power consumption: 0.2:0.2W; 0.25:0.25W; 0.45:0.45W; 0.6:0.6W

Contact Data	
Contact Arrangement	1A (SPSTNO) , 1C (SPDT(B-M))
Contact Material	AgCdO AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>
Contact Rating (resistive)	1A: 16A/250VAC,30VDC;1C: NO:16A/250VAC,30VDC NC:10A/250VAC,30VDC TuV 16A/250VAC,14VDC
Max. Switching Power	300W 250VA
Max. Switching Voltage	110VDC 380VAC Max. Switching Current:16A
Contact Resistance or Voltage drop	≤50mΩ Item 3.12 of IEC255-7
Operational life	Electrical 10 <sup>6</sup> Item 3.30 of IEC255-7 Mechanical 10 <sup>7</sup> Item 3.31 of IEC255-7

Coil Parameter								
Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75%of rated voltage )	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-200	5	6.5	125	3.75	0.25	0.20	≤10	≤5
006-200	6	7.8	180	4.50	0.30			
009-200	9	11.7	405	6.75	0.45			
012-200	12	15.6	720	9.00	0.60			
018-200	18	23.4	1620	13.5	0.90			
024-200	24	31.2	2880	18.0	1.20	0.45	≤10	≤5
048-250	48	52.8	9216	38.4	2.40			
100-600	100	130	16600	80.0	10.0			

**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	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 750V	Item 6 of IEC255-5
Between contacts	50Hz 1500V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235°C ±2°C 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85°C	
Relative Humidity	85% (at 20°C)	IEC68-2-3 Test Ca
Mass	10g	

### Qualification inspection:

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

### Safety approvals

Safety approval	UL&CUR	TU V	CQC
Load	1A: 16A/250VAC 1C: 10A/250VAC	16A/250VAC;14VDC	16A/250VAC

### Dimensions

mm /inch

**Dimensions**

**Mounting (Bottom view)**

**Wiring diagram (Bottom view)**

1A 1C

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

### Reference Data

