

# NT78



c  US E174722

15.7×12.2×11

Features
<ul style="list-style-type: none"> <li>▪ Small size, lightweight.</li> <li>▪ Low coil consumption.</li> <li>▪ PC board mounting.</li> <li>▪ Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.</li> </ul>

Ordering Information		
<p><b>NT78</b>   <u>C</u>   <u>S</u>   <u>0.6</u>   <u>DC12V</u></p> <p style="text-align: center;">1        2        3        4        5</p>		
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;">                     1 Part number: NT78                      2 Contact arrangement: A:1A; B:1B; C:1C; U:1U                      3 Enclosure: S: Washtight relay                        NIL: Flux proof relay                 </td> <td style="width: 50%; vertical-align: top;">                     4 Coil power consumption: 0.6:0.6W; 0.8:0.8W                      5 Coil rated voltage(V):DC:6,9,12,24                 </td> </tr> </table>	1 Part number: NT78 2 Contact arrangement: A:1A; B:1B; C:1C; U:1U 3 Enclosure: S: Washtight relay NIL: Flux proof relay	4 Coil power consumption: 0.6:0.6W; 0.8:0.8W 5 Coil rated voltage(V):DC:6,9,12,24
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Contact Data		1A (SPSTNO)	1B (SPSTNC)	1C (SPDT(B-M))	1U (SPSTNODM)
Contact Arrangement					
Contact Material		AgSnO <sub>2</sub>			
Contact Rating (Resistive)		NO:20A/14VDC 10A/120VAC,5A/250VAC		1A:30A/14VDC	1U:2×10A/14VDC
		NC:15A/14VDC,10A/120VAC,5A/250VAC			
		Motor Load : 1/2HP 125VAC			
		TV-5			
Max. Switching Power		280W 1250VA			
Max. Switching Voltage		30VDC 277VAC			
Voltage Drop(Initial)		≤50mV(at 10A)		Max. Switching Current:30A	
Operational Life	Electrical	1×10 <sup>5</sup>		Item 4.30 of IEC 61810-7	
	Mechanical	1×10 <sup>7</sup>		Item 4.31 of IEC 61810-7	

**CAUTION:** 1.For the intermediate current, it only applies to the room temperature.

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (80%of rated voltage)	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
006-600	6	6.6	60	4.8	0.30	0.6	≤10	≤5
009-600	9	9.9	135	7.2	0.45			
012-600	12	13.2	240	9.6	0.60			
024-600	24	26.4	960	19.2	1.20			
006-800	6	6.6	45	4.8	0.30	0.8	≤10	≤5
009-800	9	9.9	102	7.2	0.45			
012-800	12	13.2	180	9.6	0.60			
024-800	24	26.4	720	19.2	1.20			

**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

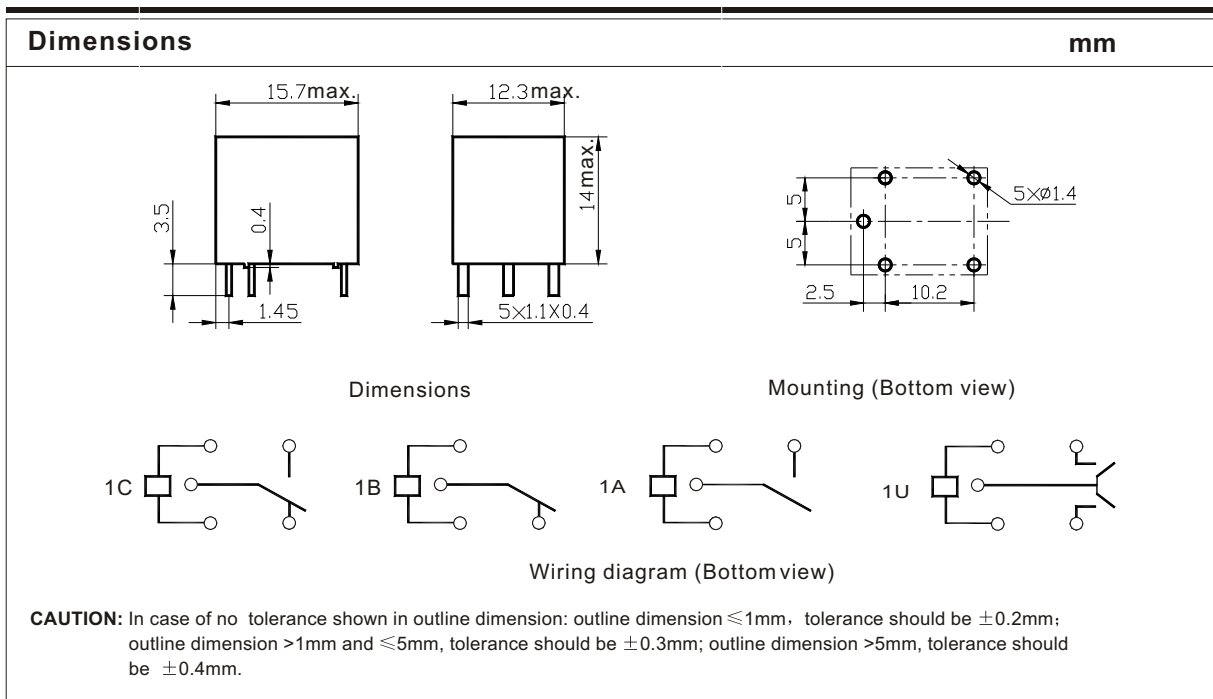
Insulation Resistance	100M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	50Hz 500V 50Hz 500V	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40°C~85°C	
Relative Humidity	85% (at 20°C)	Item 4.16 of IEC 61810-7
Mass	6g	Item 4.7 of IEC 61810-7

## Safety approvals

Safety approval	UL&CUR
Load	NO: 20A/14VDC 10A/120VAC NC: 10A/14VDC 1/2HP 125VAC TV-5

## Dimensions

mm



## Reference Data

