



NT78



15.7×12.3×14

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

Contact Data

Contact Arrangement	1A (SPSTNO) 1B (SPSTNC) 1C (SPDT(B-M)) 1U (SPSTNODM)		
Contact Material	AgCdO AgSnO ₂		
Contact Rating (resistive)	NO:20A/14VDC 10A/120VAC,5A/250VAC	IU:2×10A/14VDC	
	NC:15A/14VDC,10A/120VAC,5A/250VAC		
	Motor load : 1/2HP 125VAC		
	Lamp load : TV-5		
Max. Switching Power	280W 1250VA		
Max. Switching Voltage	42VDC 380VAC	Max. Switching Current:20A	
Contact Resistance or Voltage drop	≤50mΩ	Item 4.12 of IEC 61810-7	
Operational life	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

Coil Parameter

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	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength	Between contacts	50Hz 500V
	Between contact and coil	50Hz 500V
Shock resistance	100m/s ² 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	6g	

Safety approvals

Safety approval	UL&CUR	CQC
Load	NO: 20A/14VDC 10A/120VAC NC: 10A/14VDC 1/2HP 125VAC TV-5	5A/250VAC

Dimensions

mm /inch

Dimensions

Wiring diagram (Bottom view)

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

Reference Data

