# **HUAGUAN RELAYS**



c 🕄 us E174722

**NT78** 

 $15.7 \times 12.3 \times 14$ 

## Features

- Small size, light weight.
- Low coil consumption.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.

Ordering Information					
<b>NT78</b>	C	S	0.6	DC12V	
1	2	3	4	5	
1 Part nui	1 Part number: NT78				4 Coil power: 0.6:0.6W; 0.8:0.8W
2 Contact	2 Contact arrangement: A:1A; B:1B; C:1C; U:1U				U 5 Coil rated voltage(V): DC:6,9,12,24
3 Enclosure: S: Wash tight					
NIL:Flux proof					

# Contact Data

O O III LUOL E	Julu					
Contact Arra	ingement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M)) 1U(SPSTNODM)				
Contact Mate	erial	AgSnO <sub>2</sub>				
Contact Rating (Resistive)		NO:20A/14VDC 10A/120VAC,5A/250VAC NC:10A/14VDC,10A/120VAC,5A/250VAC				
		Motor Load : 1/2HP 125VAC				
		TV-5				
Max. Switching Power		420W 1250VA				
Max. Switching Voltage		30VDC 277VAC	Max. Switching Current: 30A			
Voltage Drop(Initial)		Typ: 50mV(at 10A)	Item 4.12 of IEC 61810-7			
Operational	Electrical	1×10 <sup>5</sup>	Item 4.30 of IEC 61810-7			
Life	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.

### **Coil Parameter**

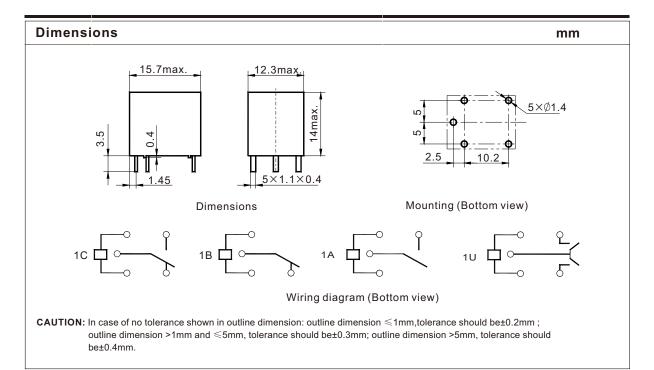
Dash numbers	Coil voltage VDC		Coil resistance	Pick-up voltage VDC(max)	Drop-out voltage VDC(min)	Coil power	Operate time	Release time
	Rated	Max.	Ω ± 10%	(80%of rated voltage)	(5% of rated voltage)	W	ms	ms
006-600	6	6.6	60	4.8	0.30	0.6	≤10	≪5
009-600	9	9.9	135	7.2	0.45			
012-600	12	13.2	240	9.6	0.60			
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			

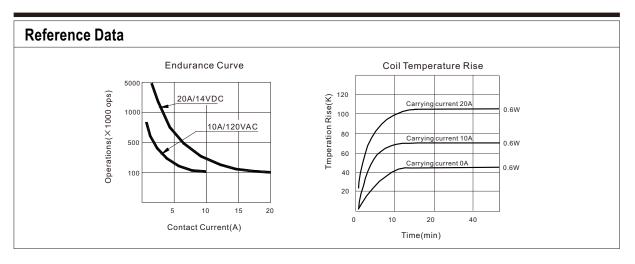
**CAUTION:** 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

#### Characteristics Insulation Resistance 100MΩ min (at 500VDC) Item 4.11 of IEC 61810-7 **Dielectric Strength** 50Hz 500V Item 4.9 of IEC 61810-7 **Between Contacts** Between Contact and Coil 50Hz 500V Item 4.9 of IEC 61810-7 Item 4.26 of IEC 61810-7 Shock Resistance 98m/s<sup>2</sup> 11ms Vibration Resistance 10Hz~55Hz Double amplitude 1.5mm Item 4.28 of IEC 61810-7 Item 4.24 of IEC 61810-7 **Terminals Strength** 10N **Ambient Temperature** -40°C~85°C Item 4.16 of IEC 61810-7 **Relative Humidity** 5% to 85% Item 4.7 of IEC 61810-7 Mass 6g

# Safety Approvals

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





Ningbo Huaguan Electronics Corporation LTD.