NT78

200520013192.6



15.7×12.3×14



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							
	<u>NT78</u>	<u>C</u>	S	<u>10</u>	DC12V	0.6	
	1	2	3	4	5	6	
	1 Part number: NT78 2 Contact arrangement: A:1A; B:1B; C:1C; U:1U 3 Enclosure: S: Sealed type; NIL: Dust cover						4 Contact rating: 5A,10A/14VDC; 10A/120VAC; 5A/250VAC 5 Coil rated voltage(V): DC:6,9,12,24 6 Coil power consumption: 0.6:0.6W; 0.8:0.8W

Contact Data

Oontact Data					
Contact Arrangement	1A (SPSTNO) 1B (SPSTNC) 1C (SPDT(B-M) 1U (SPSTNODM)				
Contact Material	AgCdO AgSnO ₂ AgSnO ₂ In ₂ O ₃				
Contact Rating (resistive)	NO:20A/14VDC 10A/120VAC,5A/250VAC NC:15A/14VDC,10A/120VAC,5A/250VAC				
Contact Rating (resistive)	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	\leq 50 m Ω Item 3.12 of IEC255-7				
Operational Electrical	10 ⁵ Item 3.30 of IEC255-7				
life Mechanical	10 ⁷ Item 3.31 of IEC255-7				

Coil Parameter

Dash numbers		oltage DC	Coil resistance Ω ±10%	Pickup voltage VDC(max) (80%of rated voltage)	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption	Operate Time ms	Release Time ms
	Rated	Max.	32 <u>+</u> 1070					
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			
009-800	9	9.9	102	7.2	0.45	0.8	≤10	≤5
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

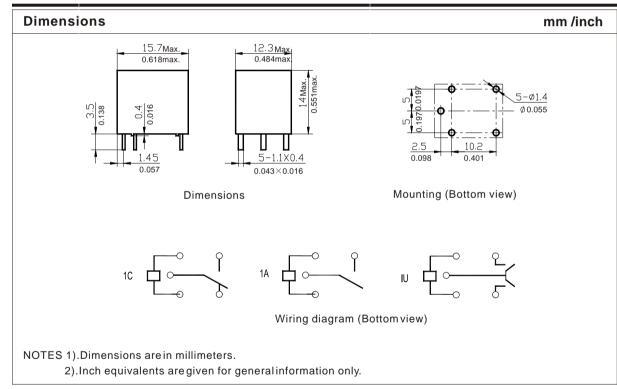
operation condition				
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5		
Dielectric Strength				
Between contacts	50Hz 500V	Item6 of IEC255-5		
Between contact and coil	50Hz 500V	Item6 of IEC255-5		
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea		
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 TestFc		
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℃			
Relative Humidity	85% (at 20℃)	IEC68-2-3Test Ca		
Mass	6g			

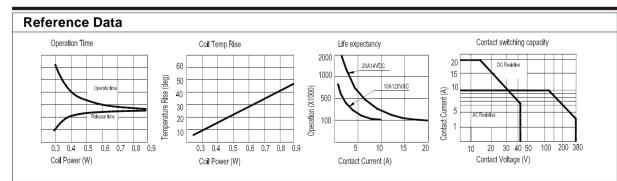
Qualification inspection:

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





Ningbo Forward Relay Corporation LTD. — 106 105