



15.7×12.3×14



CH0054067-2000



E160644



on Pending

Patent No. 99206529.1

Features

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

Ordering Information

NT78 C S 10 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

Contact Arrangement 1A (SPSTNO), 1B (SPSTNC), 1C (SPDT(B-M), 1U (SPSTNODM)
Contact Material Ag·CdO Ag·SnO₂ Ag·SnO₂·In₂O₃
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
Contact Resistance or Voltage drop ≤50mΩ
Operation | Electrical 10⁵
life | Mechanical 10⁷
Max. Switching Current:20A
Item 3.12 of IEC255-7
Item 3.30 of IEC255-7
Item 3.31 of IEC255-7

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	100M Ω min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 500V	Item 6 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 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3 \pm 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85 $^{\circ}$ C	
Relative Humidity	85% (at 20 $^{\circ}$ C)	IEC68-2-3Test Ca
Mass	6g	

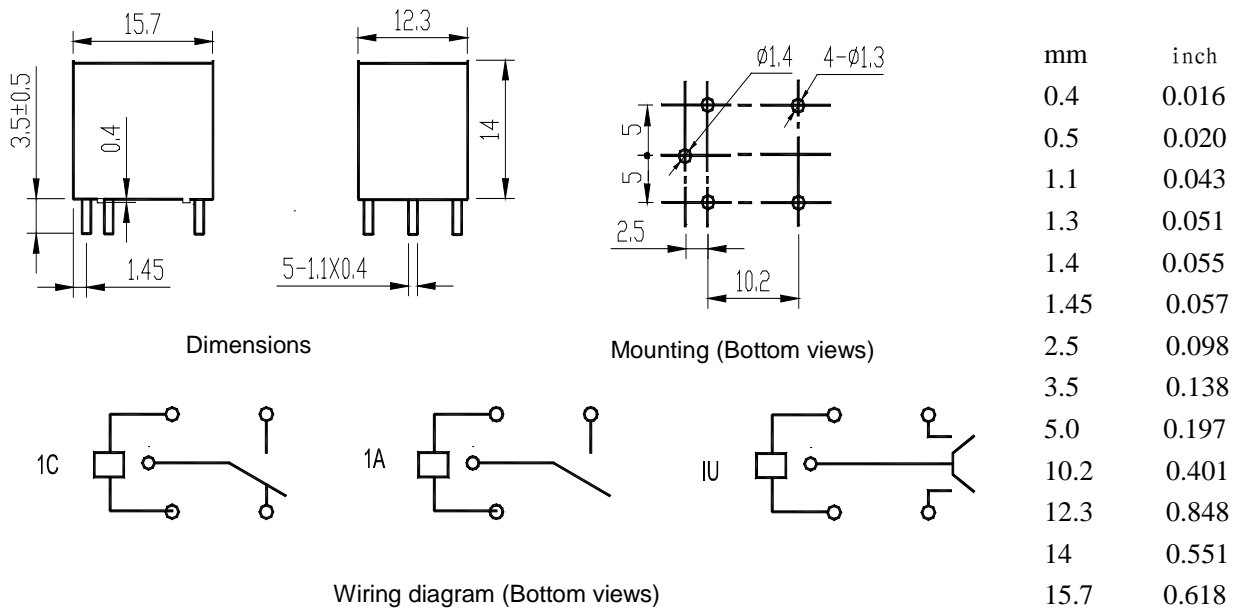
Qualification inspection:

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

Safety approvals

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

Dimensions (Unit: mm)



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

Reference Data

