

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 | 4 Contact rating: 5A,10A/14VDC; 10A/120VAC; 5A/250VAC |
| 2 Contact arrangement: A:1A; B:1B; C:1C; U:1U | 5 Coil rated Voltage(V): DC:6,9,12,24 |
| 3 Enclosure: S: Sealed type; NIL: Dust cover | 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·SnO ₂ Ag·SnO ₂ ·In ₂ O ₃
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 life	Electrical 10 ⁵ Mechanical 10 ⁷
	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.

Ambient temperature -40~85℃
 Relative Humidity 85% (at 20℃)
 Mass 6g

IEC68-2-3Test Ca

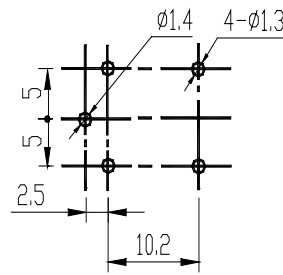
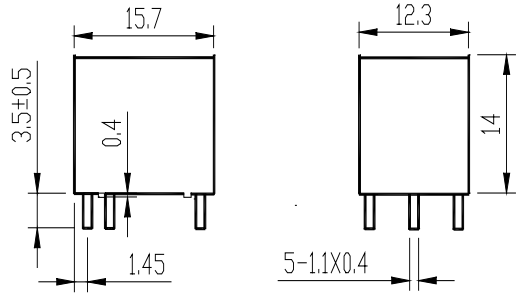
Qualification inspection:

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

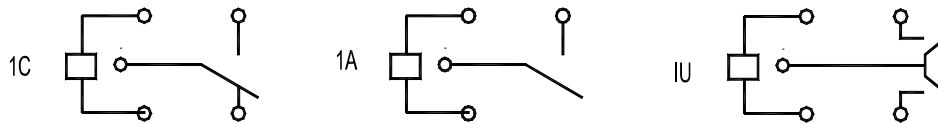
Safety approvals

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

Dimensions (Unit: mm)



mm	inch
0.4	0.016
0.5	0.020
1.1	0.043
1.3	0.051
1.4	0.055
1.45	0.057
2.5	0.098
3.5	0.138
5.0	0.197
10.2	0.401
12.3	0.848
14	0.551
15.7	0.618



Wiring diagram (Bottom views)

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

Reference Data

