

Features

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

Ordering Information

NT72 C S 10 DC12V 0.36

1 2 3 4 5 6

1 Part number: NT72 (4459)、NT72-2
 2 Contact arrangement: A:1A; B:1B; C:1C
 3 Enclosure: S: Sealed type; NIL: Dust cover

4 Contact Current: 5A,6A,10A,12A
 5 Coil rated Voltage(V): DC:3,5,6,9,12,18,24,48
 6 Coil power consumption: 0.36:0.36W; 0.45:0.45W; 0.61:0.61W

Contact Data

Contact Arrangement 1A (SPSTNO)、1B(SPSTNC)、1C(SPDT(B-M))
 Contact Material Ag·CdO Ag·SnO₂
 Contact Rating (resistive) UL:5A,10A,12A/125VAC,28VDC; 10A/240VAC;6A/250VAC,28VDC
 T_{iV} : 6A/250VAC, 28VDC
 Motor load : 1/3HP 120VAC; 1/3HP 240VAC
 Max. Switching Power 336W 2400VA
 Max. Switching Voltage 110VDC 380VAC
 Contact Resistance or Voltage drop $\leq 50m\Omega$
 Operation | Electrical 10⁵
 life | Mechanical 10⁷

Max. Switching Current:15A
 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 $\Omega \pm 10\%$	Pickup voltage VDC(max) (75% of rated voltage)	release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
003-360	3	3.9	25	2.25	0.3	0.36	≤ 7	≤ 4
005-360	5	6.5	69	3.75	0.5			
006-360	6	7.8	100	4.50	0.6			
009-360	9	11.7	225	6.75	0.9			
012-360	12	15.6	400	9.00	1.2			
018-360	18	23.4	900	13.5	1.8			
024-360	24	31.2	1600	18.0	2.4			
003-450	3	3.9	20	2.25	0.3	0.45	≤ 7	≤ 4
005-450	5	6.5	56	3.75	0.5			
006-450	6	7.8	80	4.50	0.6			
009-450	9	11.7	180	6.75	0.9			
012-450	12	15.6	320	9.00	1.2			
018-450	18	23.4	720	13.5	1.8			
024-450	24	31.2	1280	18.0	2.4			
048-610	48	62.4	3800	36.0	4.8	0.61		

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°C
 Relative Humidity 85% (at 40°C)
 Mass 11g

IEC68-2-3Test Ca

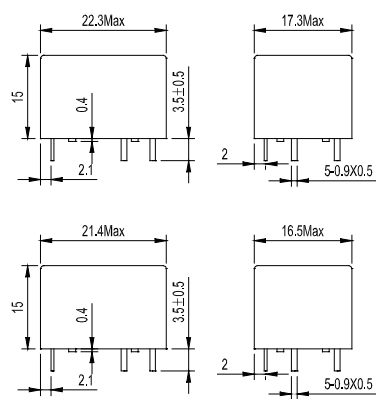
Qualification inspection:

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

Safety approvals

Safety approval	UL&CUR	TüV	CCEE
Load	12A/125VAC 28VDC 6A/250VAC 1/3HP 120VAC 240VAC Insulation: B-class F-class	6A/250VAC 28VDC 10A/250VAC 28VDC	5A/250VAC

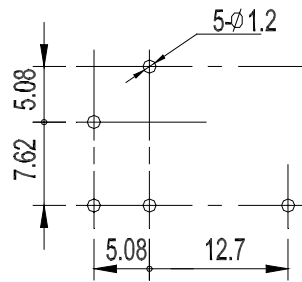
Dimensions (Unit: mm)



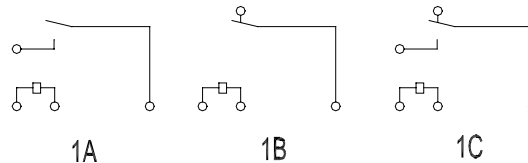
T72

NT72-2

Dimensions



Mounting (Bottom views)



1A

1B

1C

Wiring diagram
(Bottom views)

mm	inch
0.4	0.016
0.5	0.020
0.6	0.024
0.9	0.035
1.2	0.047
2.0	0.079
2.1	0.083
3.5	0.138
5.08	0.200
7.62	0.300
12.7	0.500
15	0.591
16.5	0.650
17.3	0.681
21.4	0.843
22.3	0.878

NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Reference Data

