

NT 7 2 (4 4 5 9) & NT 7 2 - 2



22.3×17.3×15
21.4×16.5×15 (NT72-2)



E158859



CH0077845



R9858273

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

Contact Material

Contact Rating (resistive)

1A (SPSTNO)、1B(SPSTNC)、1C(SPDT(B-M))

Ag·CdO Ag·SnO₂

UL:5A,10A,12A/125VAC,28VDC; 10A/240VAC;6A/250VAC,28VDC

TüV : 6A/250VAC, 28VDC

Motor load : 1/3HP 120VAC; 1/3HP 240VAC

Max. Switching Power

Max. Switching Voltage

Contact Resistance or Voltage drop

Operation life

336W 2400VA

110VDC 380VAC

≤50mΩ

Electrical 10⁵

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 Ω±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	0.45	≤7	≤4
003-450	3	3.9	20	2.25	0.3			
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	0.61		
048-610	48	62.4	3800	36.0	4.8			

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	500M Ω min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil	50Hz 2500V 4000V(NT72-2)	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℃ $\pm$ 2℃ 3 $\pm$ 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	11g	

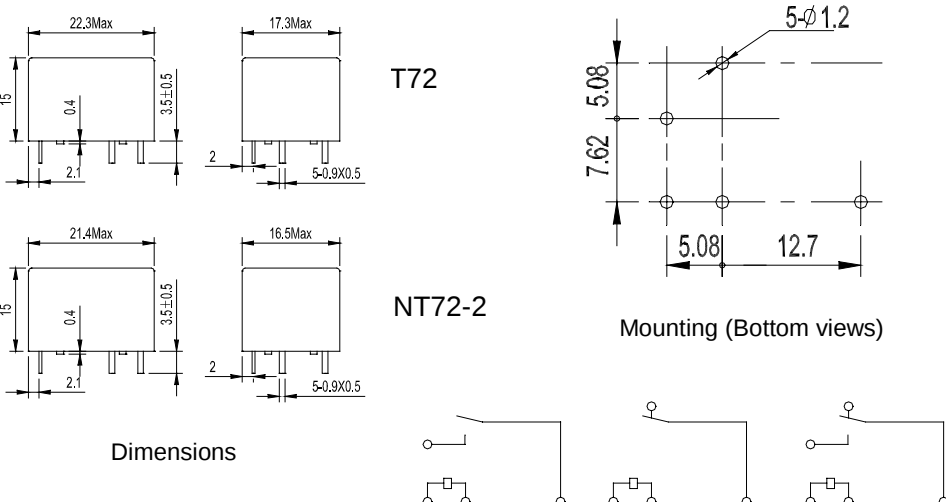
Qualification inspection:

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)

		mm	inch
T72		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
NT72-2			
Dimensions			
Wiring diagram (Bottom views)			
1A			
1B			
1C			

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

Reference Data

