



NT72(4459)&NT72-2

UL® E169380
△ R9858273

22.3×17.3×15

21.4×16.5×15 (NT72-2)

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.

Contact Data

Contact Arrangement	1A, 1B, 1C	
Contact Material	Ag·CdO Ag·SnO ₂ Ag·La ₂ O ₃	
Contact Rating (resistive)	UL: 3A,5A,10A,12A/125VAC,28VDC; 10A/240VAC;6A/250VAC,28VDC	
	TÜV : 6A/250VAC, 28VDC	
Max. Switching Power	336W 2400VA	
Max. Switching Voltage	110VDC 380VAC	Max. Switching Current:20A
Contact Resistance or Voltage drop	50mΩ Max.	Item 3.12 of IEC255-7
Operation life	Electrical 10 ⁵ Mechanical 10 ⁷	Item 3.30 of IEC255-7 Item 3.31 of IEC255-7

Coil Parameter

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 Max.	Release Time ms Max.
Rated	Max.	0.36W	0.45W	0.5W					
3	3.9	25	20	18	2.25	0.3	0.36/0.45/0.5	7	4
5	6.5	69	56	50	3.75	0.5			
6	7.8	100	80	72	4.50	0.6			
9	11.7	225	180	162	6.75	0.9			
12	15.6	400	320	288	9.00	1.2			
18	23.4	900	720	648	13.5	1.8			
24	31.2	1600	1280	1152	18.0	2.4			
48	62.4	6400	5120	4608	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	500MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil	NT72: 50Hz 1500V(especial 2500V) NT72-2:50Hz 3000V(especial 4000V)	Item 6 of IEC255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230 °C± 2 °C 10± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85 °C	
Relative Humidity	85% (at 40 °C)	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.

Ordering Information

NT72	A	S	5	DC12V	0.36
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Coil power consumption:0.36:0.36W, 0.45:0.45W, 0.5:0.5W

Coil rated DC Voltage
3V, 5V, 6V, 9V, 12V, 18V, 24V, 48V

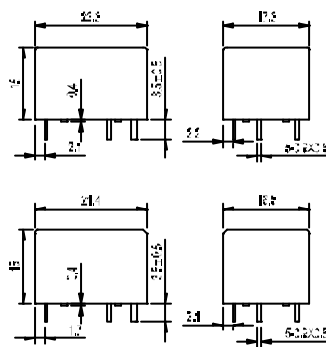
Contact current
3A, 5A, 6A, 10A, 12A
TÜV : 6A/250VAC, 28VDC

S:Sealed type, NIL: Dust Covered(Covered)

Contact Arrangement : A:1A, B:1B, C:1C

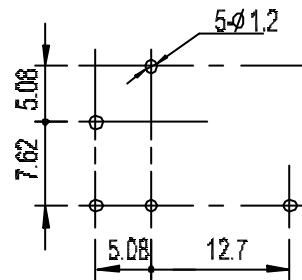
Part number:NT72(4459),NT72-2

Dimensions (Unit: mm)

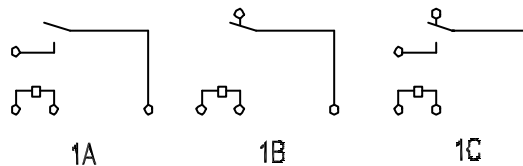


NT72

NT72-2



Mounting (Bottom views)



Dimensions

1A

1E

10

Wiring diagram
(Bottom views)

mm	inch
0.4	0.016
0.5	0.020
0.9	0.035
1.2	0.047
1.7	0.067
2.0	0.079
2.1	0.083
2.2	0.087
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

NOTES 1).Dimensions are in millimeter.

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

Reference Data

