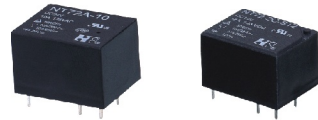
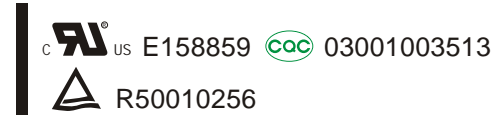


NT72(4459)&NT72-2



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 appliances, 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	AgCdO AgSnO ₂		
Contact Rating (resistive)	UL:5A,10A,12A/125VAC,28VDC; 10A/240VAC;6A/250VAC,28VDC TÜV : 10A/250VAC, 28VDC Motor load : 1/3HP 120VAC; 1/3HP 240VAC		
Max. Switching Power	336W 2400VA		
Max. Switching Voltage	110VDC 380VAC	Max. Switching Current:15A	
Contact Resistance or Voltage drop	≤50mΩ	Item 3.12 of IEC255-7	
Operational life	Electrical	10 ⁵	Item 3.30 of IEC255-7
	Mechanical	10 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			
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.

Operation condition

Insulation Resistance	500MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 1000V	Item 6 of IEC255-5
Between contacts	50Hz 2500V	Item 6 of IEC255-5
Between contact and coil	4000V(NT72-2)	
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°C ± 2°C 3 ± 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.

Safety approvals

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

Dimensions

mm /inch

Dimensions

Mounting (Bottom view)

1A 1B 1C

Wiring diagram (Bottom view)

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

Reference Data

