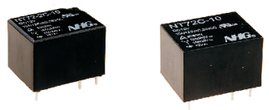
NT72(4459)&NT72-2



22.3×17.3×15 21.4×16.5×15 (NT72-2)

c UL us E169380 CQC 03001003513
R50142630

Features

- Small size, light weight.
- 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：3A,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)		5A,10A,12A/125VAC,28VDC; 6A/300VAC,28VDC 3A,5A,10A/250VAC	
		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 4.12 of IEC 61810-7
Operational life	Electrical	10^5	Item 4.30 of IEC 61810-7
	Mechanical	10^7	Item 4.31 of IEC 61810-7

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

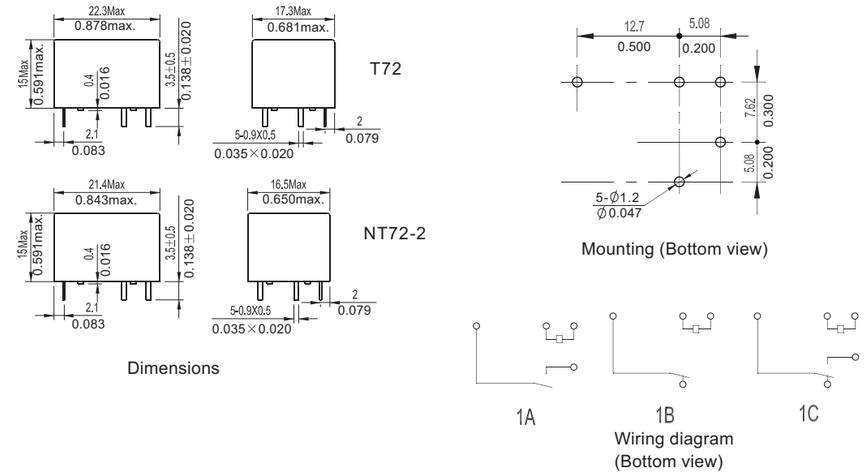
Insulation Resistance	500MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1000V 50Hz 2500V 4000V(NT72-2)	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5
Shock resistance	100m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235℃±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	11g	

Safety approvals

Safety approval	UL&CUR	TUV	CQC
Load	12A/125VAC 28VDC 10A/240VAC 6A/300VAC 1/3HP 120VAC 240VAC Insulation：B-class F-class	10A/250VAC 28VDC	5A/250VAC

Dimensions

mm /inch



Dimensions

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

Reference Data

