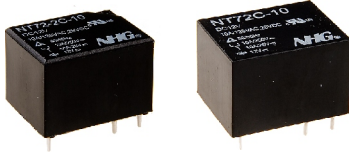


# NT72&NT72-2



22.3×17.3×15 21.4×16.5×15 (NT72-2)



Features
<ul style="list-style-type: none"> <li>▪ Small size, light weight.</li> <li>▪ Reliable quality.</li> <li>▪ PC board mounting.</li> <li>▪ Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.</li> </ul>

Ordering Information	
<b>NT72 C S 10 DC12V 0.36</b>	
1	2 3 4 5 6
1 Part number: NT72, NT72-2	4 Contact current: 3A,5A,6A,10A,12A
2 Contact arrangement: A:1A; B:1B; C:1C	5 Coil rated voltage(V): DC:3,5,6,9,12,18,24,48
3 Enclosure: S:Wash tight ; NIL:Flux proof	6 Coil power: 0.36:0.36W; 0.45:0.45W; 0.51:0.51W

Contact Data	
Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))
Contact Material	AgSnO <sub>2</sub>
Contact Rating (Resistive)	5A,10A,12A/125VAC,28VDC; 6A/300VAC,28VDC 3A,5A,10A/240VAC,250VAC
	Motor Load : 1/3HP 120VAC; 1/3HP 240VAC
Max. Switching Power	336W 2500VA
Max. Switching Voltage	30VDC 300VAC Max. Switching Current:15A
Contact Resistance	≤50mΩ Item 4.12 of IEC 61810-7
Operational Life	Electrical: 1×10 <sup>5</sup> Item 4.30 of IEC 61810-7 Mechanical: 1×10 <sup>7</sup> Item 4.31 of IEC 61810-7

**CAUTION:** 1.For the intermediate current, it only applies to the room temperature.

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (75% of rated voltage )	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power 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			
048-510	48	62.4	4518	36.0	4.8	0.51		

**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.

# NT72&NT72-2

## Characteristics

Insulation Resistance	500M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength		
Between Contacts	50Hz 1000V	Item 4.9 of IEC 61810-7
Between Contact and Coil	50Hz 2500V 4000V(NT72-2)	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	11g	Item 4.7 of IEC 61810-7

## Safety Approvals

Safety approval	UL&CUR	TUV
Load	12A/125VAC, 28VDC 10A/240VAC ; 6A/300VAC 1/3HP 120VAC 240VAC	10A/250VAC 28VDC

### Dimensions mm

**Dimensions**

**Mounting (Bottom view)**

**Wiring diagram (Bottom view)**

**CAUTION:** In case of no tolerance shown in outline dimension: outline dimension  $\leq 1$ mm, tolerance should be  $\pm 0.2$ mm; outline dimension  $> 1$ mm and  $\leq 5$ mm, tolerance should be  $\pm 0.3$ mm; outline dimension  $> 5$ mm, tolerance should be  $\pm 0.4$ mm.

## Reference Data

