

22.3×17.3×15 21.4×16.5×15 (NT72-2)

NT72&NT72-2



Features

- Small size, light weight.
- Reliable performance.
- 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 Part number: NT72, NT72-2
2 Contact arrangement: A:1A; B:1B; C:1C
3 Enclosure: S:Wash tight; NIL: Flux proof

4 Contact current: 3A,5A,10A,12A
5 Coil rated voltage(V): DC:3,5,6,9,12,18,24,48
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 ₂
Contact Rating	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
Electrical Endurance	1×10 ⁵ Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷ Item 4.31 of IEC 61810-7

Coil Parameter

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		

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pick-up and drop-out release voltage are for test purposes only and are not to be used as design criteria.

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Characteristics

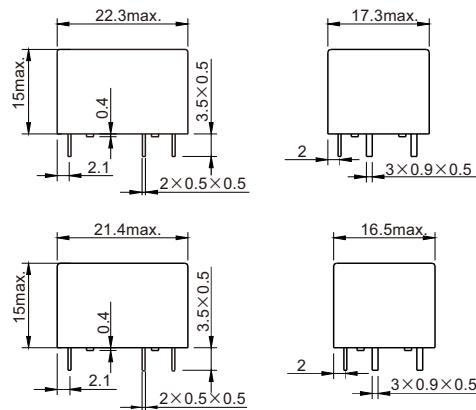
Insulation Resistance	500MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	1000VAC 1min 2500VAC/4000VAC(NT72-2) 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	11g	Item 4.7 of IEC 61810-7

Safety Approvals

Safety approval	UL&CUR	TüV	CQC
Load	12A/125VAC, 28VDC 10A/240VAC ; 6A/300VAC 1/3HP 120VAC, 240VAC	10A/250VAC, 28VDC	5A/250VAC

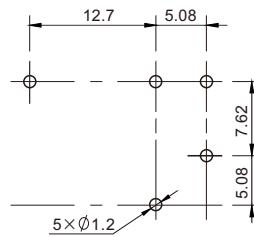
Dimensions

mm

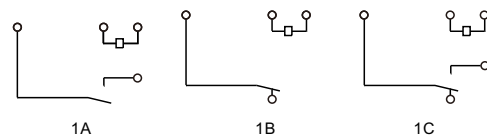


T72

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Mounting (Bottom view)



Wiring diagram
(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

Reference Data

