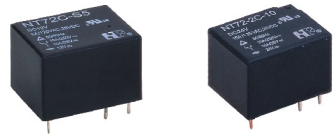


NT72(4459)&NT72-2



22.3×17.3×15 21.4×16.5×15 (NT72-2)



Features	
<ul style="list-style-type: none"> 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 Part number: NT72(4459), 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:Sealed type; NIL:Dust cover	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
Max. Switching Power	Motor load : 1/3HP 120VAC; 1/3HP 240VAC 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 60255-5
Dielectric Strength	Between contacts	50Hz 1000V
	Between contact and coil	50Hz 2500V 4000V(NT72-2)
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40~85°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test 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

Mounting (Bottom view)

Wiring diagram (Bottom view)

1A 1B 1C

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

