



19.5×15.6×15.3

# NT73 -2

c **UL** us E158859

**△** R50142718

**CQC** 13002099051

**△** 40038727

## Features

- Small size, light weight, heavy reverse power.
- Low coil power consumption.
- PC board mounting.
- Suitable for automation control, telecommunication equipment, household electrical appliances and machinery electrical facilities.

## Ordering Information

**NT73-2** **C** **S** **10** **DC12V** **0.36**

1 2 3 4 5 6

1 Part number: NT73-2  
 2 Contact arrangement: A:1A; B:1B; C:1C  
 3 Enclosure: S: Wash tight  
 NIL: Flux proof

4 Contact rating : 5A,6A,10A,12A/125VAC,28VDC;20A/125VAC,16VDC;  
 6A/250VAC,277VAC;10A,12A/250VAC; 15A/125VAC  
 6A/250VAC,10A/250VAC(VDE )  
 5 Coil rated voltage(V): DC:3,5,6,9,12,24,48  
 6 Coil power : 0.36:0.36W; 0.45:0.45W; 0.8:0.8W

## Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))	
Contact Material	AgSnO <sub>2</sub> , AgCdO	
Contact Rating (Resistive)	5A,6A,10A,12A/125VAC,28VDC;20A/125VAC,16VDC; 6A/250VAC,277VAC;10A,12A/250VAC; 15A/125VAC (15A:0.45W;20A:0.8W)	
	Motor Load: 1/3HP 125VAC ; 1/3HP 277VAC	
Max. Switching Power	336W 3000VA	
Max. Switching Voltage	30VDC 277VAC	Max. Switching Current:20A
Contact Resistance	≤100mΩ	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.

## 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	≤10	≤5
005-360	5	6.5	70	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			
024-360	24	31.2	1600	18.0	2.4			
048-360	48	62.4	6400	36.0	4.8			
003-450	3	3.9	20	2.25	0.3	0.45	≤10	≤5
005-450	5	6.5	55.6	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			
024-450	24	31.2	1280	18.0	2.4			
048-450	48	62.4	5120	36.0	4.8			
003-800	3	3.9	11	2.25	0.3	0.80	≤10	≤5
005-800	5	6.5	31	3.75	0.5			
006-800	6	7.8	45	4.50	0.6			
009-800	9	11.7	101	6.75	0.9			
012-800	12	15.6	180	9.00	1.2			
024-800	24	31.2	720	18.0	2.4			
048-800	48	62.4	2880	36.0	4.8			

**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.

## Characteristics

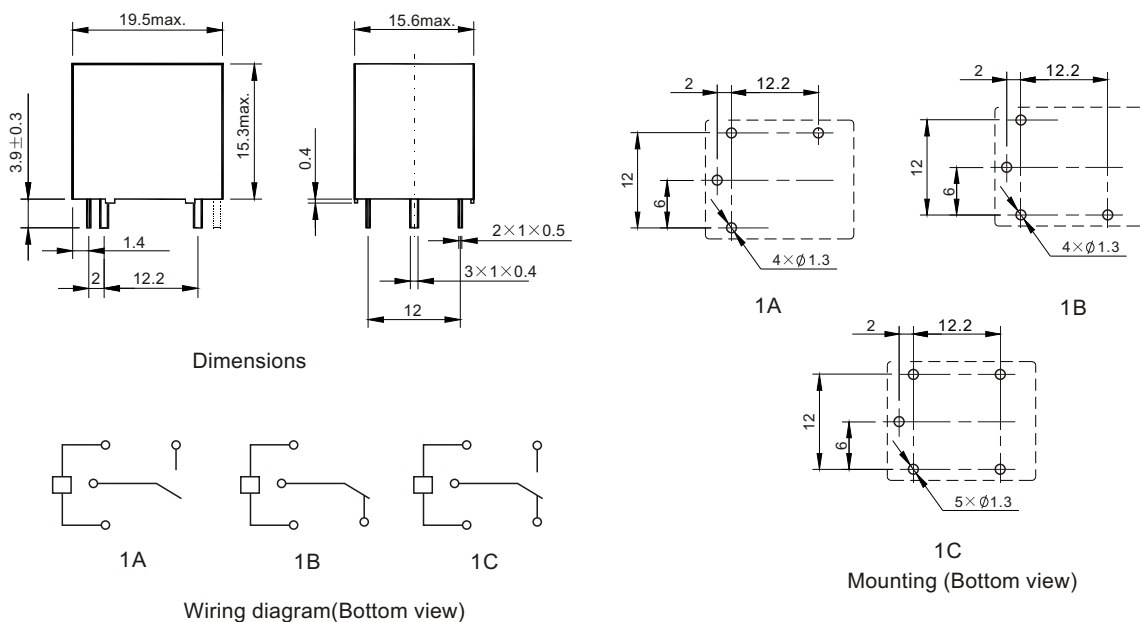
Insulation Resistance	250M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	50Hz 750V 50Hz 1500V	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-55 $^{\circ}$ C~85 $^{\circ}$ C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	9.5g	Item 4.7 of IEC 61810-7

## Safety Approvals

Safety approval	UL	TUV	CQC	VDE
Load	20A/125VAC,16VDC 6A/277VAC 5A,10A,12A,15A/125VAC,28VDC 5A,10A/250VAC 1/3HP 125VAC/277VAC	6A/250VAC 28VDC	7A/250VAC	12A/250VAC 85 $^{\circ}$ C NO 10A/250VAC 85 $^{\circ}$ C NO 6A/250VAC 105 $^{\circ}$ C NO 6A/250VAC 85 $^{\circ}$ C NO

## Dimensions

mm



**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

