NT73 -2



19.5×15.6×15.3

CQC 03001003508

c UL us E169380 R50142718

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: Sealed type；NIL: Dust cover
4 Contact rating：5A,10A,12A,15A/125VAC 28VDC；6A/277VAC
20A/125VAC 16VDC10A/250VAC（0.8W）；TÜV:6A/250VAC 28VDC
5 Coil rated voltage(V)：DC:3,5,6,9,12,24,48
6 Coil power consumption：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		AgCdO AgSnO$_2$	
Contact Rating (resistive)		5A,6A,10A,12A,15A/125VAC,28VDC;20A/125VAC,16VDC; 6A/250VAC,277VAC;10A/250VAC (15A 0.45W ; 20A 0.8W coil only)	
		Motor load: 1/3HP 125VAC ; 1/3HP 277VAC	
Max. Switching Power		420W 2500VA	
Max. Switching Voltage		110VDC 380VAC	Max. Switching Current:20A
Contact Resistance or Voltage drop		⩽100mΩ	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	⩽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.

Operation condition

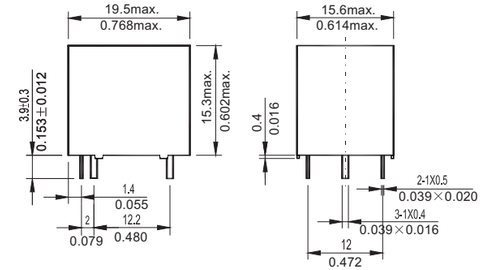
Insulation Resistance	250MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 750V 50Hz 1500V	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5
Shock resistance	100m/s^2 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-55~85℃	
Relative Humidity	93% (at 40℃)	IEC68-2-3Test Ca
Mass	9.5g	

Safety approvals

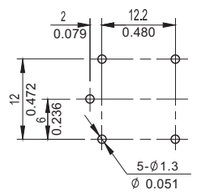
Safety approval	UL	TÜV	CQC
Load	20A/125VAC,16VDC 12A/28VDC 10A/250VAC 6A/277VAC 1/3HP 125VAC/277VAC Insulation: B-class F-class	6A/250VAC 28VDC	7A/250VAC

Dimensions

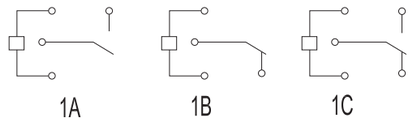
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram(Bottom view)

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

Reference Data

