

NT73 -2



19.5×15.6×15.3

CQC 03001003508

UL US E158859 R50142718

Features
<ul style="list-style-type: none"> ■ 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 DC S 10 DC12V 0.36 1 2 3 4 5 6 7
1 Part number ;NT73-2 2 Terminals; NIL:Standard D:double terminals 3 Contact arrangement ; A:1A; B:1B C:1C 4 Enclosure : S: Sealed type; NIL: Dust cover 5 Contact rating; 5A,10A,12A,15A/125VAC 28VDC 6A/277VAC 20A/125VAC 16VDC10A/250VAC 0.8W; T ₁ V:6A/250VAC 28VDC 6 Coil rated voltage(V) DC:3,5,6,9,12,24,48 7 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/125VAC,28VDC;20A/125VAC,16VDC; 6A/250VAC,277VAC;10A,12A/250VAC; 15A/125VAC (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

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

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	250M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235 \pm 2 C 3 \times 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-55 C ~85 C	
Relative Humidity	93% (at 40 C)	IEC 68-2-3 Test Ca
Mass	9.5g	

Safety approvals

Safety approval	UL	TÜ V	CQC
	20A/125VAC,16VDC 12A/28VDC 10A/250VAC 6A/277VAC Load 6A/250VAC 28VDC 7A/250VAC 1/3HP 125VAC/277VAC		

Dimensions

mm /inch

The technical drawings include:

- Dimensions:** Shows the physical dimensions of the relay body. Key dimensions include a maximum width of 19.5mm (0.768 inch) and a maximum height of 15.3mm (0.602 inch). Terminal spacing is 12.2mm (0.480 inch).
- Mounting (Bottom view):** Shows the terminal layout with dimensions for terminal pitch (12.2mm) and terminal diameter (1.3mm).
- Wiring diagram (Bottom view):** Shows five terminal configurations labeled 1A, 1B, 1C, 1A, and 1C (D type).

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

Reference Data

