

# DB ELECTRO<sup>CO., LTD.</sup>

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.



# NT73-2



19.5×15.6×15.3



CQC 03001003508 cUL<sup>us</sup> E158859  
 LR814321 R50050438  
 PATENT NO.:95 2 18643.8

### 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 16VDC/10A/250VAC (0.8W); T<sub>UV</sub>: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 <sub>2</sub>	
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 3.12 of IEC255-7
Operational life	Electrical	10 <sup>5</sup> Item 3.30 of IEC255-7
	Mechanical	10 <sup>7</sup> Item 3.31 of IEC255-7

### 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 IEC255-5
Dielectric Strength	50Hz 750V	Item 6 of IEC255-5
Between contacts	50Hz 1500V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	100m/s <sup>2</sup> 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°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-55~85°C	
Relative Humidity	93% (at 40°C)	IEC68-2-3Test Ca
Mass	9.5g	

### Qualification inspection:

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

### Safety approvals

Safety approval	UL	TUV	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)**

**1A** **1B** **1C**

**Wiring diagram(Bottom view)**

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

### Reference Data

