



19.5×15.3×15.3

NT73 - 2



CH0050406

2000



E158859



LR814321



R9858271

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 appliance and machinery electrical facilities.

Ordering Information

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

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|--|--|
| 1 Part number, <u>NT73-2</u> | 4 Contact rating, <u>5A,10A,12A,15A/125VAC 28VDC</u> , <u>6A/277VAC</u> |
| 2 Contact arrangement, <u>A:1A, B:1B, C:1C</u> | 20A/125VAC 16VDC;10A/250VAC <u>(0.8W)</u> ; <u>T Û V:6A/250VAC 28VDC</u> |
| 3 Enclosure, <u>S: Sealed type, NIL: Dust cover</u> | 5 Coil rated Voltage(V), <u>DC:3,5,6,9,12,24,48</u> |
| | 6 Coil power consumption, <u>0.36:0.36W</u> , <u>0.45:0.45W</u> , <u>0.8:0.8W</u> |

Contact Data

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|------------------------------------|--|--|
| Contact Arrangement | 1A <u>(SPSTNO)</u> , 1B <u>(SPSTNC)</u> , 1C <u>(SPDT(B-M))</u> | |
| Contact Material | Ag·CdO Ag·SnO ₂ | |
| Contact Rating (resistive) | 5A,6A,10A,12A,15A/125VAC,28VDC;20A/125VAC,16VDC;
6A/277VAC;10A/250VAC | |
| | T Û V : 6A/250VAC, 28VDC (15A 0.4W ; 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 ⁵
Mechanical 10 ⁷ | Item 3.30 of IEC255-7
Item 3.31 of IEC255-7 |

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω±10%	Pickup voltage VDC(max)	release voltage VDC(min) (10% of rated)	Coil power consumpti	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	0.45	≤10	≤5
003-450	3	3.9	20	2.25	0.3			
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	0.80	≤10	≤5
048-450	48	62.4	5120	36.0	4.8			
003-800	3	3.9	11	2.25	0.3			
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 IEC255-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC255-5
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 \pm 2 \square 3 \square 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-55~85 \square	
Relative Humidity	93% (at 40 \square)	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	T ü V	CCEE
Load	20A/125VAC 16VDC 10A/250VAC 6A/277VAC 1/3HP 125VAC/277VAC Insulation \square -class F-class	6A/250VAC 28VDC	7A/250VAC

Dimensions (Unit: mm)

mm	inch
0.3	0.012
0.4	0.016
0.5	0.020
1.0	0.039
1.3	0.051
1.4	0.055
1.0	0.079
3.9	0.153
6	0.236
12	0.472
12.2	0.480
15.3	0.602
16.5	0.650
19.5	0.768

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

Reference Data

