



19.3 × 15.6 × 15.3

NT73 - 2



CH0050406-2000



E169380



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.

Contact Data

| | | |
|------------------------------------|--|---------------------------------------|
| Contact Arrangement | 1A, 1B, 1C | |
| Contact Material | Ag·CdO Ag·SnO ₂ | |
| Contact Rating (resistive) | 5A,6A,10A,12A,15A/125VAC,28VDC;20A/125VAC,16VDC; 6A/277VAC;10A/250VAC TÜV : 6A/250VAC, 28VDC (15A 0.45W ; 20A 0.8W coil only) | |
| Max. Switching Power | 420W 2500VA | |
| Max. Switching Voltage | 110VDC 380VAC | Max. Switching Current:20A |
| Contact Resistance or Voltage drop | 50mΩ Max. | Item 3.12 of IEC255-7 |
| Operation life | Electrical | 10 ⁵ Item 3.30 of IEC255-7 |
| | Mechanical | 10 ⁷ Item 3.31 of IEC255-7 |

Coil Parameter

| Coil voltage VDC | | Coil esistance 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 Max. | Release Time ms Max. |
|------------------|------|----------------------|--|---|--------------------------|----------------------|----------------------|
| Rated | Max. | | | | | | |
| 3 | 3.9 | 25/20/11 | 2.25 | 0.3 | 0.36/0.45/0.80 | 10 | 5 |
| 5 | 6.5 | 70/55.6/31 | 3.75 | 0.5 | | | |
| 6 | 7.8 | 100/80/45 | 4.50 | 0.6 | | | |
| 9 | 11.7 | 225/180/101 | 6.75 | 0.9 | | | |
| 12 | 15.6 | 400/320/180 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1600/1280/720 | 18.0 | 2.4 | | | |
| 48 | 62.4 | 6400/5120/2880 | 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 | | |
| 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 method 1 |
| Vibration resistance | 10~55Hz double amplitude 1.5mm | IEC68-2-6 Test Fc |
| Terminals strength | 5N | IEC68-2-21 Test Ua1 |
| Solderability | 230 °C ± 2 °C 10± 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.

| Ordering Information | | | |
|--|---|---|--------------|
| NT73-2 | A | S | 10DC12V 0.36 |
| Coil power consumption : 0.36:0.36W,0.45:0.45W,0.80:0.80W | | | |
| Coil rated DC Voltage 3V, 5V, 6V , 9V, 12V, 24V, 48V | | | |
| Contact Rating 5A, 6A 10A,12A,15A/125VAC,28VDC;20A/125VAC,16VDC; 6A/277VAC ;10A/250VAC; TÜV : 6A/250VAC, 28VDC | | | |
| S:Sealed type, NIL:Dust Cover | | | |
| Contact Arrangement : A:1A, B: 1B, C:1C | | | |
| Part number: NT73-2 | | | |

| Dimensions (Unit: mm) | | mm | inch |
|-----------------------|------|-------|-------|
| | | 0.3 | 0.012 |
| | | 0.4 | 0.016 |
| | | 0.7 | 0.028 |
| | | 1.0 | 0.039 |
| | | 1.3 | 0.051 |
| | | 1.4 | 0.055 |
| | | 1.0 | 0.079 |
| | | 3.5 | 0.138 |
| | | 6 | 0.236 |
| | | 12 | 0.472 |
| | 12.2 | 0.480 | |
| | 15.3 | 0.602 | |
| | 15.6 | 0.614 | |
| | | 19.3 | 0.760 |

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

