19.5×15.6×15.3

# NT73 -4

c UL us E158859 CQC 13002099051

## Features

- Small size, light weight and heavy switching power.
- Low coil power consumption.
- PC board mounting is available.
- The parts with IEC60335-1 compliance is available.
- Suitable for automatic system, communication device, home appliance application, electromechanical equipment and so on.

## Ordering Information

**NT73-4 - C - S 12 DC12V 0.36**

1 2 3 4 5 6

| | |
|---|---|
| 1 Part number: NT73-4<br>2 Contact arrangement: A:1A; C:1C<br>3 Enclosure: S: Wash tight; NIL: Flux proof | 4 Contact rating: 10:10A; 12:12A<br>5 Coil rated voltage(V): DC:5,6,9,12,24<br>6 Coil power: 0.36:0.36W |

## Contact Data

| | | |
|---|---|---|
| Contact Arrangement | 1A(SPSTNO) 1C(SPDT(B-M)) | |
| Contact Material | $AgSnO_2$ | |
| Contact Rating | 10A/250VAC,277VAC; 12A/250VAC,277VAC | |
| Max. Switching Power | 3000VA | |
| Max. Switching Voltage | 277VAC | Max. Switching Current:12A |
| Contact Resistance | ⩽100mΩ | Item 4.12 of IEC 61810-7 |
| Electrical Endurance | $1\times10^5$ 10A/250VAC,277VAC 85℃<br>$6\times10^4$ 12A/250VAC,277VAC 85℃ | Item 4.30 of IEC 61810-7 |
| Mechanical Endurance | $1\times10^7$ | Item 4.31 of IEC 61810-7 |

## Coil Parameter

| Coil voltage VDC | | Coil resistance Ω ± 10% | Pick-up voltage VDC(max) (75%of rated voltage ) | Drop-out voltage VDC(min) (10% of rated voltage) | Coil power W | Operate time ms | Release time ms |
|---|---|---|---|---|---|---|---|
| Rated | Max. | | | | | | |
| 5 | 6.5 | 70 | 3.75 | 0.5 | 0.36 | ⩽10 | ⩽5 |
| 6 | 7.8 | 100 | 4.50 | 0.6 | | | |
| 9 | 11.7 | 225 | 6.75 | 0.9 | | | |
| 12 | 15.6 | 400 | 9.00 | 1.2 | | | |
| 24 | 31.2 | 1600 | 18.0 | 2.4 | | | |

**Notes:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

## Characteristics

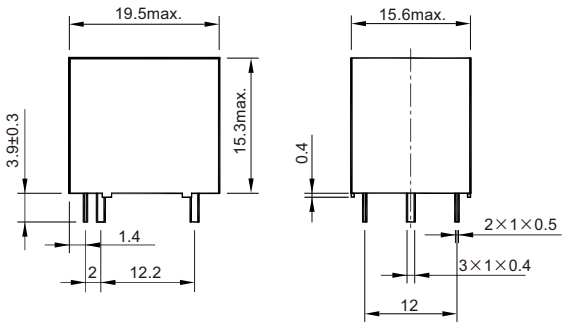
| | | |
|---|---|---|
| Insulation Resistance | 250MΩ min (at 500VDC) | Item 4.11 of IEC 61810-7 |
| Dielectric Strength<br>Between Open Contacts<br>Between Contact and Coil | <br>750VAC 1min<br>1500VAC 1min | Item 4.9 of IEC 61810-7 |
| Shock Resistance | 98m/s$^2$ 11ms | Item 4.26 of IEC 61810-7 |
| Vibration Resistance | 10Hz~55Hz Double amplitude 1.5mm | Item 4.28 of IEC 61810-7 |
| Terminals Strength | 5N | Item 4.24 of IEC 61810-7 |
| Ambient Temperature | -55℃~85℃ | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 61810-7 |
| Weight(Approx.) | 9.5g | Item 4.7 of IEC 61810-7 |

## Safety Approvals

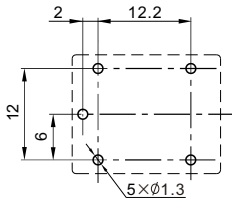
| Safety approval | UL&CUR | CQC |
|---|---|---|
| Load | NO: 10A/250VAC,277VAC 85℃<br>NO: 12A/250VAC,277VAC 85℃ | 10A/250VAC 85℃<br>12A/250VAC 85℃ |

## Dimensions

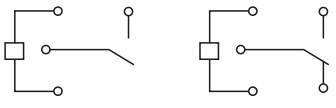
mm




Dimensions




Mounting (Bottom view)




Wiring diagram(Bottom view)

**Remark:** In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

## Reference Data