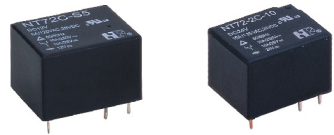
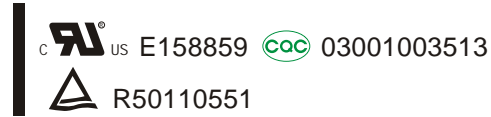


NT72(4459)&NT72-2



22.3×17.3×15 21.4×16.5×15 (NT72-2)



| Features | |
|---|--|
| <ul style="list-style-type: none"> Small size, light weight. Reliable quality. PC board mounting. Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities. | |

| Ordering Information | |
|--|--|
| NT72 C S 10 DC12V 0.36 | |
| 1 Part number: NT72(4459), NT72-2 | 4 Contact current: 3A,5A,6A,10A,12A |
| 2 Contact arrangement: A:1A; B:1B; C:1C | 5 Coil rated voltage(V): DC:3,5,6,9,12,18,24,48 |
| 3 Enclosure: S:Sealed type; NIL:Dust cover | 6 Coil power consumption: 0.36:0.36W; 0.45:0.45W; 0.61:0.61W |

| Contact Data | |
|------------------------------------|--|
| Contact Arrangement | 1A (SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M)) |
| Contact Material | AgCdO AgSnO ₂ |
| Contact Rating (resistive) | 5A,10A,12A/125VAC,28VDC; 6A/300VAC,28VDC 3A,5A,10A/250VAC |
| Max. Switching Power | Motor load : 1/3HP 120VAC; 1/3HP 240VAC 336W 2400VA |
| Max. Switching Voltage | 110VDC 380VAC Max. Switching Current:15A |
| Contact Resistance or Voltage drop | ≤50mΩ 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 |

| 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 | <7 | <4 |
| 005-360 | 5 | 6.5 | 69 | 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 | | | |
| 018-360 | 18 | 23.4 | 900 | 13.5 | 1.8 | | | |
| 024-360 | 24 | 31.2 | 1600 | 18.0 | 2.4 | | | |
| 003-450 | 3 | 3.9 | 20 | 2.25 | 0.3 | 0.45 | <7 | <4 |
| 005-450 | 5 | 6.5 | 56 | 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 | | | |
| 018-450 | 18 | 23.4 | 720 | 13.5 | 1.8 | | | |
| 024-450 | 24 | 31.2 | 1280 | 18.0 | 2.4 | | | |
| 048-610 | 48 | 62.4 | 3800 | 36.0 | 4.8 | 0.61 | | |

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 | 500MΩ min (at 500VDC) | Item 7 of IEC 60255-5 |
| Dielectric Strength | Between contacts | 50Hz 1000V |
| | Between contact and coil | 50Hz 2500V 4000V(NT72-2) |
| Shock resistance | 100m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10~55Hz double amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 10N | IEC 68-2-21 Test Ua1 |
| Solderability | 235°C ± 2°C 3 ± 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -40~85°C | |
| Relative Humidity | 85% (at 40°C) | IEC 68-2-3 Test Ca |
| Mass | 11g | |

| Safety approvals | | | |
|------------------|--|------------------|-----------|
| Safety approval | UL&CUR | TUV | CQC |
| Load | 12A/125VAC 28VDC 10A/240VAC 6A/300VAC 1/3HP 120VAC 240VAC Insulation: B-class F-class | 10A/250VAC 28VDC | 5A/250VAC |

Dimensions

Dimensions mm /inch

Mounting (Bottom view)

Wiring diagram (Bottom view)

1A 1B 1C

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

