



28.5×12.5×15 (29×12.7×15.7)

NT75-1 & NT75-2

CE E9930952E01

R2033977.02 on Pending
Patent No. 98324524X 98324532.1

Features

- Small size, light weight.
- Low coil consumption.
- Switching capacity up to 16A.
- PC board mounting.
- Suitable for household electrical appliance, automation system, electrical equipment, instrument, meter telecommunication facilities and remote control facilities.

Ordering Information

NT75-1 C S 12 DC12V 0.72 3.5
1 2 3 4 5 6 7

- 1 Part number: NT75-1、NT75-2
2 Contact arrangement: NT75-1: A:1A; C:1C
NT75-2: 2A:2A; 2C:2C
3 Enclosure: S: Sealed type; Z: Dust cover
4 Contact rating: 1A,1C:12A/250VAC 30VDC;
1A,1C(0.72W):16A/250VAC 30VDC;
2A,2C(0.41W):8A/250VAC 30VDC
5 Coil rated Voltage(V): DC:5,6,9,12,24,48
6 Coil power consumption: 0.25:0.25W; 0.41:0.41W; 0.72:0.72W
7 Pole-distance: 3.5:3.5mm; 5.0:5.0mm

Contact Data

| | |
|------------------------------------|--|
| Contact Arrangement | 1A (SPSTNO)、1C (SPDT(B-M)、2A (DPSTNO)、2C (DPDT(B-M)) |
| Contact Material | Ag·CdO Ag·SnO ₂ ·In ₂ O ₃ |
| Contact Rating (resistive) | 1A,1C;12A/250VAC,30VDC; 1A,1C(0.72W):16A/250VAC, 30VDC 2A,2C:8A/250VAC,30VDC |
| Max. Switching Power | 480W 4000VA 2C:2×150W 2×1250VA |
| Max. Switching Voltage | 60VDC 380VAC Max. Switching Current:16A |
| Contact Resistance or Voltage drop | ≤50mΩ 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

| Dash numbers | Coil voltage VDC | | Coil resistance Ω±10% | Pickup voltage VDC(max) (70%of rated voltage) | release voltage VDC(min) (10% of rated voltage) | Coil power consumption W | Operate Time ms | Release Time Ms |
|--------------|------------------|------|-----------------------|--|---|--------------------------|-----------------|-----------------|
| | Rated | Max. | | | | | | |
| 005-250 | 5 | 6.5 | 100 | 3.5 | 0.5 | 0.25 | ≤10 | ≤5 |
| 006-250 | 6 | 7.8 | 144 | 4.2 | 0.6 | | | |
| 009-250 | 9 | 11.7 | 324 | 6.3 | 0.9 | | | |
| 012-250 | 12 | 15.6 | 576 | 8.4 | 1.2 | | | |
| 024-250 | 24 | 31.2 | 2304 | 16.8 | 2.4 | | | |
| 048-250 | 48 | 62.4 | 9216 | 33.6 | 4.8 | | | |
| 060-250 | 60 | 78 | 12857 | 42 | 6.0 | | | |
| 005-410 | 5 | 6.5 | 61 | 3.5 | 0.5 | 0.41 | ≤10 | ≤5 |
| 006-410 | 6 | 7.8 | 88 | 4.2 | 0.6 | | | |
| 009-410 | 9 | 11.7 | 198 | 6.3 | 0.9 | | | |
| 012-410 | 12 | 15.6 | 351 | 8.4 | 1.2 | | | |
| 024-410 | 24 | 31.2 | 1405 | 16.8 | 2.4 | | | |
| 048-410 | 48 | 62.4 | 5620 | 33.6 | 4.8 | | | |
| 060-410 | 60 | 78 | 7500/±15% | 42 | 6.0 | | | |
| 110-410 | 110 | 143 | 25200/±15% | 77 | 11.0 | | | |
| 005-720 | 5 | 6.5 | 34.7 | 3.5 | 0.5 | 0.72 | ≤10 | ≤5 |
| 006-720 | 6 | 7.8 | 50 | 4.2 | 0.6 | | | |
| 009-720 | 9 | 11.7 | 112.5 | 6.3 | 0.9 | | | |
| 012-720 | 12 | 15.6 | 200 | 8.4 | 1.2 | | | |
| 024-720 | 24 | 31.2 | 800 | 16.8 | 2.4 | | | |
| 048-720 | 48 | 62.4 | 3200 | 33.6 | 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 | 500M Ω min (at 500VDC) | Item 7 of IEC255-5 |
| Dielectric Strength | | |
| Between contacts | 50Hz 1000V | Item 6 of IEC255-5 |
| Between contact and coil | 50Hz 4000V | 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 | 10N | IEC68-2-21 Test Ua1 |
| Solderability | 235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3 \pm 0.5s | IEC68-2-20 Test Ta method 1 |
| Ambient Temperature | -40~70 $^{\circ}$ C | |
| Relative Humidity | 85% (at 40 $^{\circ}$ C) | IEC68-2-3 Test Ca |
| Mass | 11g 12g(NT75-2) | |

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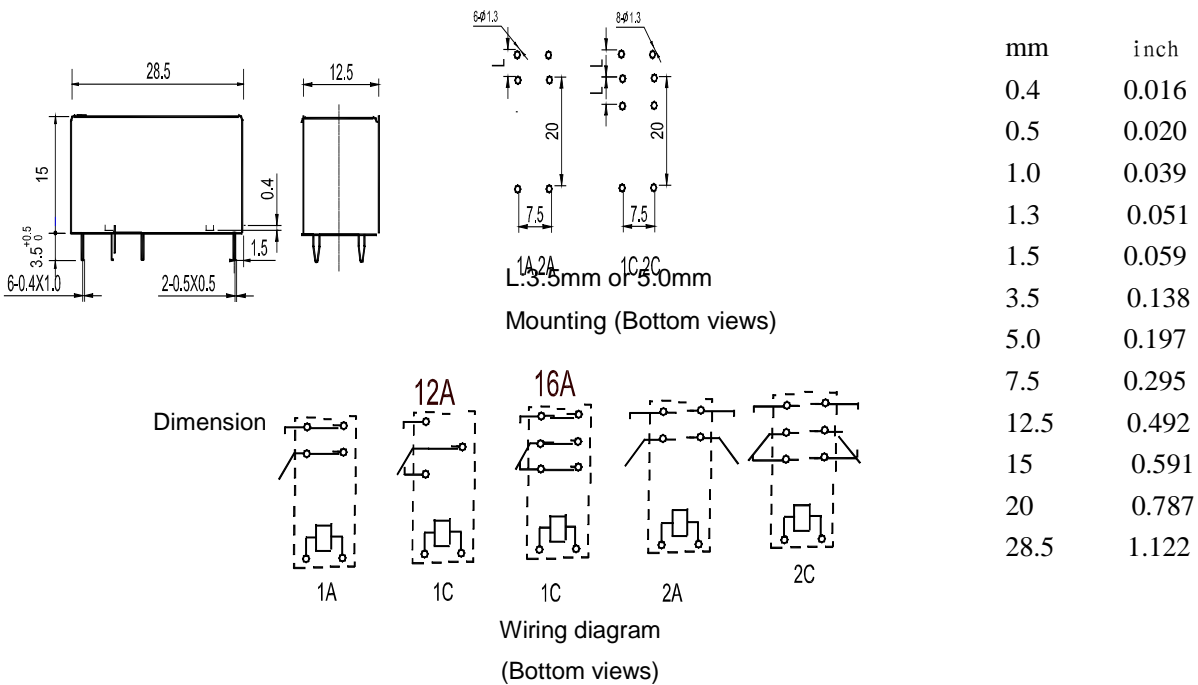
Qualification inspection:

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

Safety approvals

| | |
|-----------------|------------------|
| Safety approval | TüV |
| Load | 16A/250VAC 30VDC |

Dimensions (Unit: mm)



NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Reference Data

