

# NT71 (N4123)



22.5×16.5×16.5



E158859



CH0077844



on Pending

## Features

- Superminiature, low coil power consumption.
- Switching capacity up to 15A.
- PC board mounting.
- Suitable for household electrical appliance, automation system, instrument and meter.

## Ordering Information

**NT71 C S 10 DC12V 0.36**

1 2 3 4 5 6

1 Part number: NT71 (4123)

4 Contact Current: 5A,7A,10A,15A

2 Contact arrangement: A:1A; B:1B; C:1C

5 Coil rated Voltage(V): DC:3,6,9,12,18,24,48

3 Enclosure: S: Sealed type; NIL: Dust cover

6 Coil power consumption: 0.36:0.36W; 0.45:0.45W

## Contact Data

|                                    |   |
|------------------------------------|---|
| Contact Arrangement                | 1A(SPSTNO), 1B(SPSTNC), 1C(SPDT(B-M))   |
| Contact Material                   | Ag-CdO AgSnO <sub>2</sub>   |
| Contact Rating (resistive)         | 5A,10A,15A/120VAC,28VDC; 5A;7A,10A/220VAC ;   |
| Max. Switching Power               | 420W 1800VA   |
| Max. Switching Voltage             | 110VDC 380VAC   |
| Contact Resistance or Voltage drop | ≤50mΩ   |
| Operation life                     | Electrical 10 <sup>5</sup>  |
|                                    | Mechanical 10 <sup>7</sup>  |
|                                    | Max. Switching Current:20A<br>Item 3.12 of IEC255-7<br>Item 3.30 of IEC255-7<br>Item 3.31 of IEC255-7 |

## 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                     | ≤10             | ≤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   |                          |                 |                 |
| 048-360      | 48               | 62.4 | 6400                  | 36.0   | 4.8   |                          |                 |                 |
| 003-450      | 3                | 3.9  | 20                    | 2.25   | 0.3   | 0.45                     | ≤10             | ≤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   |                          |                 |                 |
| 048-450      | 48               | 62.4 | 5120                  | 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    | 100MΩ 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 <sup>2</sup> 11ms | IEC68-2-27 Test Ea          |
| Vibration resistance     | 10~50Hz amplitude 0.35mm | IEC68-2-6 Test Fc           |
| Terminals strength       | 10N                      | IEC68-2-21 Test Ua1         |
| Solderability            | 235°C ± 2°C 3 ± 0.5s     | IEC68-2-20 Test Ta method 1 |
| Ambient Temperature      | -40~70°C                 |                             |
| Relative Humidity        | 85% (at 40°C)            | IEC68-2-3 Test Ca           |
| Mass                     | 11g                      |                             |

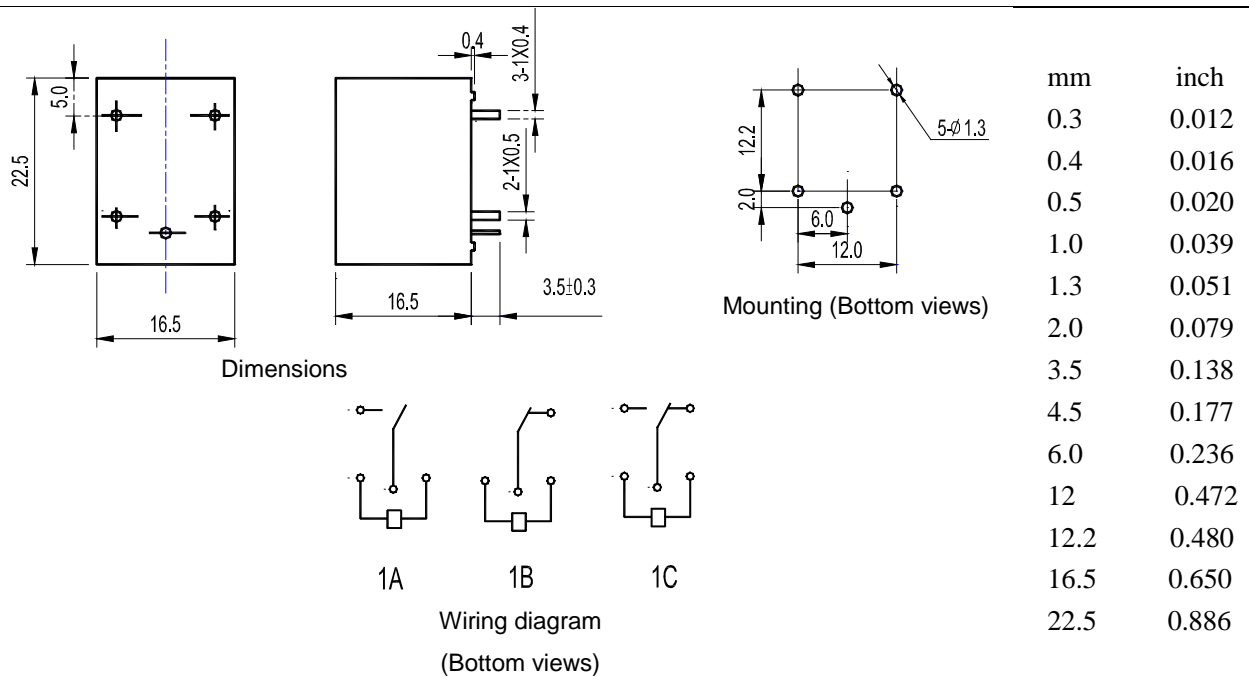
**Qualification inspection:**

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

**Safety approvals**

|                 |                       |           |
|-----------------|-----------------------|-----------|
| Safety approval | UL                    | CCEE      |
| Load            | 10A, 15A/120VAC 28VDC | 6A/250VAC |

**Dimensions (Unit: mm)**



NOTES 1).Dimensions are in millimeter.

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

**Reference Data**

