

# NT73 (JQC-3FC)



19.5×16.5×16.5



### Features

- Superminiature, High power.
- Low coil power consumption.
- PC board mounting.
- Suitable for household appliances, automation system, electronic equipment, instrument and meter, communication facilities and remote control facilities.

### Ordering Information

**NT73 C S 10 DC12V F**  
 1 2 3 4 5 6

1 Part number: NT73(JQC-3FC)  
 2 Contact arrangement: A:1A; B:1B; C:1C  
 3 Enclosure: S:Sealed type; NIL:Dust cover  
 4 Contact current: 5:5A; 6:6A; 10:10A; 12:12A  
 5 Coil rated voltage(V): DC:3,4,5,6,9,12,24,36,48  
 6 Resistance heat class: NIL:130°C ; F:155°C

### Contact Data

|                                    |  |                            |                          |
|------------------------------------|--|----------------------------|--------------------------|
| Contact Arrangement                | 1A (SPSTNO) 、1B (SPSTNC) 、1C (SPDT(B-M))             |                            |                          |
| Contact Material                   | AgCdO AgSnO <sub>2</sub>                             |                            |                          |
| Contact Rating (resistive)         | 5A,6A,10A,12A/125VAC,28VDC; 6A/277VAC; 5A,10A/250VAC |                            |                          |
| Max. Switching Power               | 336W 2500VA  |                            |                          |
| Max. Switching Voltage             | 110VDC 380VAC  | Max. Switching Current:12A |                          |
| Contact Resistance or Voltage drop | <100mΩ   | Item 4.12 of IEC 61810-7   |                          |
| Operational life                   | Electrical   | 10 <sup>5</sup>            | Item 4.30 of IEC 61810-7 |
|                                    | Mechanical   | 10 <sup>7</sup>            | 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                     | <10             | <5              |
| 004-360      | 4.5              | 5.9  | 65                     | 3.4  | 0.45  |                          |                 |                 |
| 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   |                          |                 |                 |
| 024-360      | 24               | 31.2 | 1600                   | 18.0   | 2.4   |                          |                 |                 |
| 028-360      | 28               | 36.4 | 2180                   | 21.0   | 2.8   |                          |                 |                 |
| 036-360      | 36               | 46.8 | 3600                   | 27.0   | 3.6   |                          |                 |                 |
| 048-360      | 48               | 62.4 | 6400                   | 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.

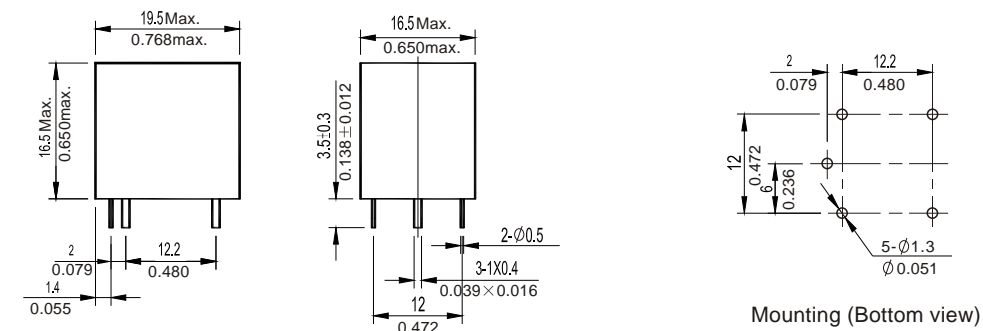
### Operation condition

|                       |                                |                              |
|-----------------------|--------------------------------|------------------------------|
| Insulation Resistance | 250MΩ min (at 500VDC)          | Item 7 of IEC 60255-5        |
| Dielectric Strength   | Between contacts               | 50Hz 750V                    |
|                       | Between contact and coil       | 50Hz 1500V                   |
| Shock resistance      | 100m/s <sup>2</sup> 11ms       | IEC 68-2-27 Test Ea          |
| Vibration resistance  | 10~55Hz double amplitude 1.5mm | IEC 68-2-6 Test Fc           |
| Terminals strength    | 5N                             | IEC 68-2-21 Test Ua1         |
| Solderability         | 235°C ± 2°C 3 ± 0.5s           | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature   | -55~85°C                       |                              |
| Relative Humidity     | 93% (at 40°C)                  | IEC 68-2-3 Test Ca           |
| Mass                  | 10.5g                          |                              |

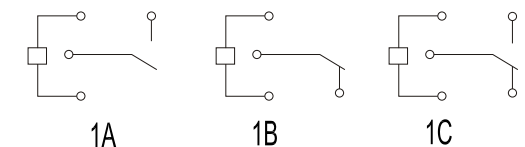
### Safety approvals

| Safety approval | UL & CUR  | CQC       |
|-----------------|---|-----------|
| Load            | 12A/125VAC 6A/277VAC<br>10A/250VAC<br>Insulation: B-class F-class | 5A/250VAC |

### Dimensions



Dimensions



Wiring diagram (Bottom view)

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

### Reference Data

