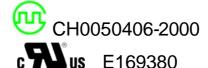




# NT73 -2





R9858271

Patent No. 95 2 18643.8

#### **Features**

■ Small size, light weight, heavy reverse power.

- Low coil power consumption.
- PC board mounting.
- Suitable for automation control, telecommunication equipment, household electrical appliance and machinery electrical facilities

## **Contact Data**

Contact Arrangement 1A, 1B, 1C

Contact Material Ag·CdO Ag·SnO<sub>2</sub>

Contact Rating (resistive) 5A,6 A,10A,12A,15A,125VAC,28VDC;20A,125VAC,16VDC;

6A/277VAC;10A/250VAC

TÜV: 6A/250VAC, 28VDC (15A 0.45W; 20A 0.8W coil only)

Max. Switching Power 420W 2500VA

Max. Switching Voltage110VDC 380VACMax. Switching Current:20AContact Resistance or Voltage drop50mΩ Max.Item 3.12 of IEC255-7Operation lifeElectrical Mechanical $10^5$  Item 3.30 of IEC255-7Ifem 3.31 of IEC255-7

#### **Coil Parameter**

Coil voltage VDC		Coil esistance Ω±10%	Pickup voltage VDC(max) (75%of rated	Release voltage VDC(min) (10% of rated	Coil power consumption W	Operate Time ms Max.	Release Time ms Max.
Rated	Max.		voltage)	voltage)		iviax.	IVIAX.
3	3.9	25/20/11	2.25	0.3			
5	6.5	70/55.6/31	3.75	0.5			
6	7.8	100/80/45	4.50	0.6			
9	11.7	225/180/101	6.75	0.9	0.36/0.45/0.80	10	5
12	15.6	400/320/180	9.00	1.2			
24	31.2	1600/1280/720	18.0	2.4			
48	62.4	6400/5120/2880	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 250M $\Omega$  min (at 500VDC) Item 7 of IEC255-5

Dielectric Strength

Between contacts
Between contact and coil

50Hz 750V
50Hz 1500V
Item 6 of IEC255-5
Item 6 of IEC255-5

Shock resistance 100m/s<sup>2</sup> 11ms IEC68-2-27 Test Ea method 1

Vibration resistance 10~55Hz double amplitude 1.5mm IEC68-2-6 Test Fc

Terminals strength 5N IEC68-2-21 Test Ua1

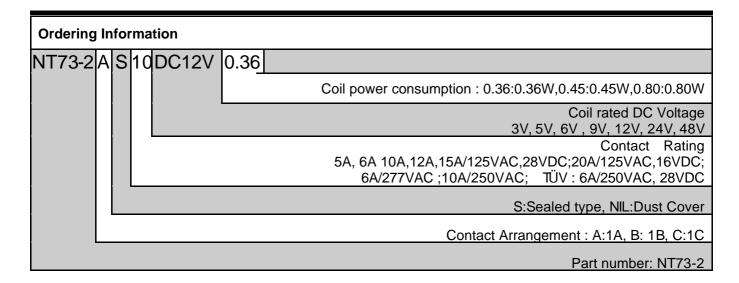
Solderability 230 °C  $\pm$  2 °C 10 $\pm$  0.5s IEC68-2-20 Test Ta method 1 Ambient Temperature -55~85 °C

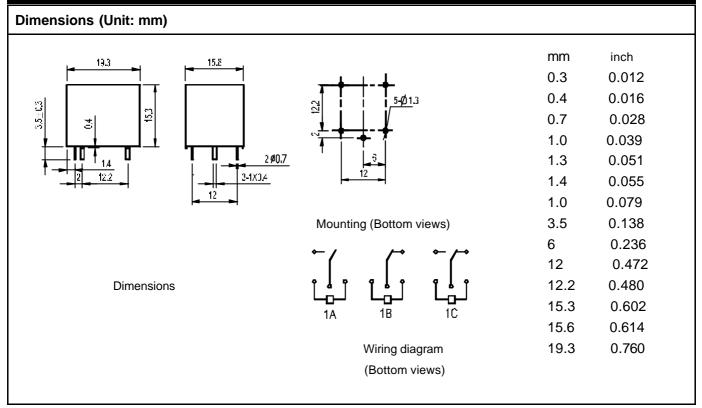
Relative Humidity 93% (at 40 °C) IEC68-2-3Test Ca

Mass 9.5g

### **Qualification inspection:**

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





NOTES 1). Dimensions are in millimeter.

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

