

NT75-1 & NT75-2

(E9930952E01 R2033977.02 **1** 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.

Contact Data

Contact Arrangement 1A、1C、2A、2C

Contact Material Ag-CdO Ag·SnO₂·In₂O₃

Contact Rating (resistive) 1Ă,1C(0.41W);12A/250VAC,30VDC; 1A,1C(0.72W):16A/250VAC, 30VDC

2A,2C:8A/250VAC,30VDC 480W 4000VA 2C:2× 2C:2×150W 2×1250VA Max. Switching Power

Max. Switching Voltage 60VDC 380VAC Max. Switching Current:16A Contact Resistance or Voltage drop ≤50mΩ Item 3.12 of IEC255-7 Electrical 10⁵ Item 3.30 of IEC255-7 Operation 10⁷ life Mechanical tem 3.31 of IEC255-7

Coil Parameter

Coil voltage VDC		Coil resistance Ω±10%	Pickup voltage VDC(max) (70%of rated	release voltage VDC(min) (10% of rated	Coil power consumption W	Operate Time ms	Release Time ms
Rated	Max.		voltage)	voltage)			
5	6.5	100/61/34.7	3.5	0.5	0.25/0.41/0.72	≪10	≪5
6	7.8	144/88/50	4.2	0.6			
9	11.7	324/198/112.5	6.3	0.9			
12	15.6	576/315/200	8.4	1.2			
24	31.2	2304/1405/800	16.8	2.4			
48	62.4	9216/5620/3200	33.6	4.8			
60	78	12857/7500/ ± 15%	42	6.0			
110	143	-/25200/ ± 15%	77	11.0			

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 $500M\Omega$ min (at 500VDC) Item 7 of IEC255-5

Dielectric Strength

Between contacts Item 6 of IEC255-5 50Hz 1000V Between contact and coil Item 6 of IEC255-5 50Hz 4000V

Shock resistance 100m/s² 11ms IEC68-2-27 Test Ea method 1

double amplitude 1.5mm Vibration resistance 10~55Hz IEC68-2-6 Test Fc IEC68-2-21 Test Ua1 Terminals strength 10N 230℃ ±2℃ IEC68-2-20 Test Ta method 1 Solderability 10 + 0.5s

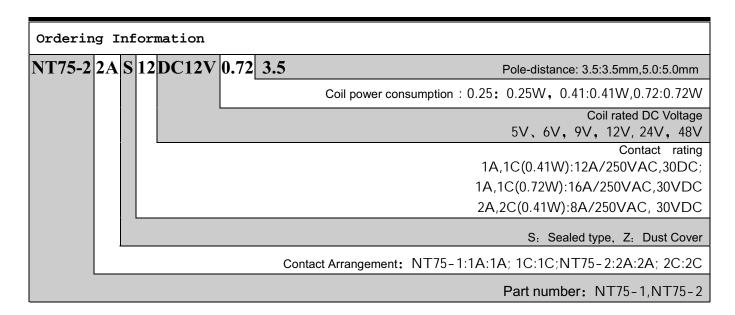
Ambient Temperature -40~70℃

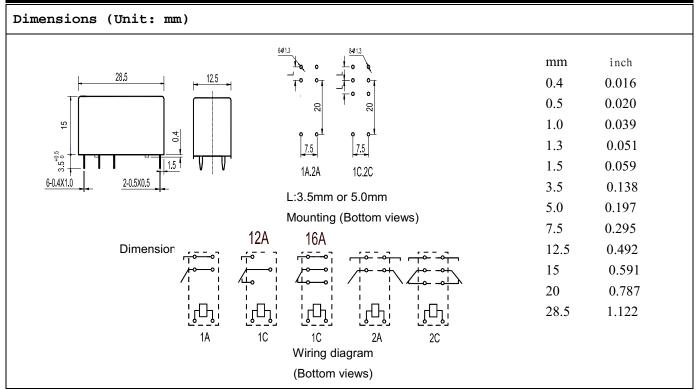
Relative Humidity 85% (at 40℃) IEC68-2-3Test Ca

11g 12g(NT75-2) Mass

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.

