



# NT75-1 & NT75-2



28.5×12.5×15 (29×12.7×15.7)

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                                      | 4 Contact rating: 1A,1C:12A/250VAC 30VDC;<br>1A,1C(0.72W):16A/250VAC 30VDC;   |
| 2 Contact arrangement: NT75-1: A:1A; C:1C<br>NT75-2: 2A:2A; 2C:2C | 2A,2C(0.41W):8A/250VAC 30VDC  |
| 3 Enclosure: S: Sealed type; Z: Dust cover                        | 5 Coil rated Voltage(V): DC:5,6,9,12,24,48<br>6 Coil power consumption: 0.25:0.25W; 0.41:0.41W; 0.72:0.72W<br>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 <sub>2</sub> ·In <sub>2</sub> O <sub>3</sub>	
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 <sup>5</sup> Item 3.30 of IEC255-7
	Mechanical	10 <sup>7</sup> 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 $\Omega$ 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 <sup>2</sup> 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)	

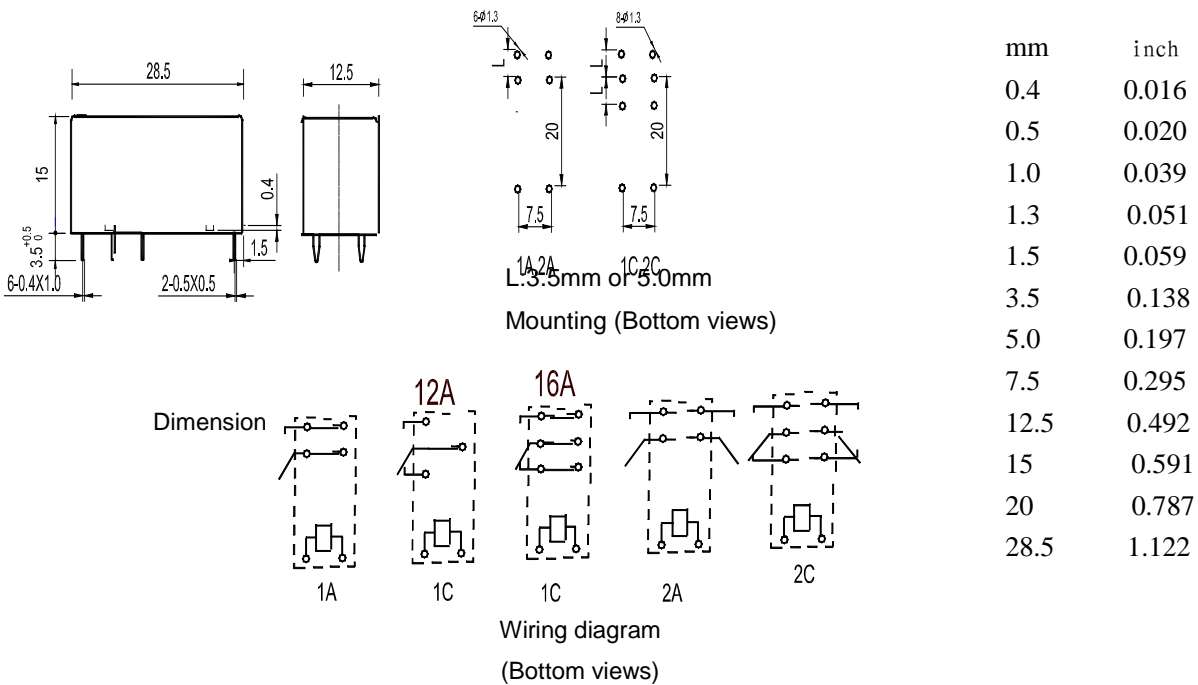
**Qualification inspection:**

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**

