




28.5×12.5×15 (29×12.7×15.7)

NT75-1 & NT75-2

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.

Contact Data

Contact Arrangement	1A, 1C, 2A, 2C		
Contact Material	Ag·CdO Ag·SnO ₂ ·In ₂ O ₃		
Contact Rating (resistive)	1A,1C(0.41W);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 ⁵	Item 3.30 of IEC255-7
	Mechanical	10 ⁷	tem 3.31 of IEC255-7

Coil Parameter

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.						
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	500MΩ 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 ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230℃ ± 2℃ 10 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test 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.

Ordering Information						
NT75-2	2A	S	12DC	0.72	3.5	Pole-distance: 3.5:3.5mm,5.0:5.0mm
Coil power consumption : 0.25: 0.25W, 0.41:0.41W,0.72:0.72W						
Coil rated DC Voltage 5V, 6V, 9V, 12V, 24V, 48V						
Contact rating 1A,1C(0.41W):12A/250VAC,30DC; 1A,1C(0.72W):16A/250VAC,30VDC 2A,2C(0.41W):8A/250VAC, 30VDC						
S: Sealed type, Z: Dust Cover						
Contact Arrangement: NT75-1:1A:1A; 1C:1C;NT75-2:2A:2A; 2C:2C						
Part number: NT75-1,NT75-2						

Dimensions (Unit: mm)

mm inch

0.4	0.016
0.5	0.020
1.0	0.039
1.3	0.051
1.5	0.059
3.5	0.138
5.0	0.197
7.5	0.295
12.5	0.492
15	0.591
20	0.787
28.5	1.122

L:3.5mm or 5.0mm
Mounting (Bottom views)

Dimension

Wiring diagram
(Bottom views)

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

