NT75-1&NT75-2

29×12.7×15.7(28.5×12.5×15)

CE E9930952E01 CQC 04001010697
R2033977 c UL us E158859
Patent No.: 98324524.X 98324523.1
200520013535.9 200510050849.0

Features

- Small size, light weight.
- Low coil consumption.
- Switching capacity up to 16A.
- PC board mounting.
- Suitable for household electrical appliances, 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
2 Contact arrangement:NT75-1:A:1A;C:1C
NT75-2:2A:2A;2C:2C
3 Enclosure:S: Sealed type；Z: Dust cover
4 Contact rating:1A,1C:12A/250VAC 30VDC;
1A,1C(0.72W):16A/250VAC 30VDC;
2A,2C(0.41W):8A/250VAC 30VDC
5 Coil rated voltage(V):DC:5,6,9,12,24,48,60,110
6 Coil power consumption:0.25:0.25W;0.41:0.41W;0.48:0.48W;0.72:0.72W
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	AgCdO AgSnO$_2$In$_2$O$_3$	
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	125VDC 440VAC	Max. Switching Current:16A
Contact Resistance or Voltage drop	⩽50mΩ	Item 3.12 of IEC255-7
Operational life — Electrical	10^5	Item 3.30 of IEC255-7
Operational life — Mechanical	10^7	Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC Rated	Coil voltage VDC Max.	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
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			
060-480	60	78	7500/±15%	42	6.0	0.48		
110-480	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	1000MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1000V 50Hz 5000V	 Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	100m/s^2 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℃±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	11g 12g(NT75-2)	

Qualification inspection:

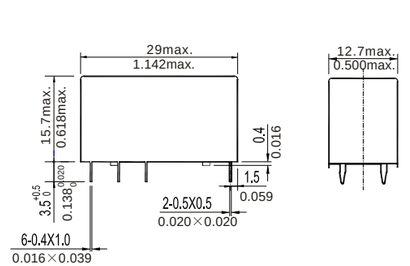
Perform the qualification test as specified in the table Ⅳ of IEC255-19-1 and minimum sample size 24.

Safety approvals

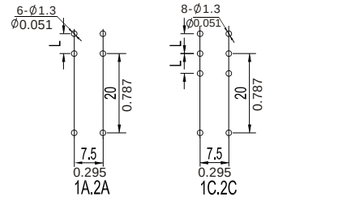
Safety approval	UL&CUR	TÜV	CQC
Load	T75-1:16A/250VAC.30VDC T75-2:8A/250VAC.30VDC	16A/250VAC 30VDC	T75-1:16A/250VAC.30VDC T75-2:8A/250VAC.30VDC

Dimensions

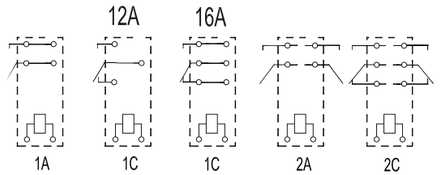
mm /inch



Dimension



L:3.5mm or 5.0mm(0.138inch or 0.197inch)
Mounting (Bottom view)



Wiring diagram
(Bottom view)

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

Reference Data