NT76



22.3×16.6×11

cqc 08001023387

c UL us E174722 R50126372

Features

- Super light in weight.
- High sensitivity.
- Switching capacity up to 16A.
- PC board mounting.

Ordering Information

NT76	C	S	DC12V	C	0.2
1	2	3	4	5	6

1 Part number: NT76
2 Contact arrangement: A:1A; C:1C
3 Enclosure: S: Sealed type; Z: Dust cover
4 Coil rated voltage(V): DC:5,6,9,12,18,24,48,100
5 Contact material: C: AgCdO; SI: $AgSnO_2$
6 Coil power consumption: 0.2:0.2W; 0.25:0.25W; 0.45:0.45W; 0.6:0.6W

Contact Data

Contact Arrangement		1A（SPSTNO）、1C（SPDT(B-M)）	
Contact Material		AgCdO $AgSnO_2$	
Contact Rating (resistive)		1A: 16A/250VAC,30VDC;1C: NO:16A/250VAC,30VDC NC:10A/250VAC,30VDC TÜV 16A/250VAC,14VDC	
Max. Switching Power		480W 4000VA	
Max. Switching Voltage		110VDC 380VAC	Max. Switching Current:16A
Contact Resistance or Voltage drop		≤50mΩ	Item 4.12 of IEC 61810-7
Operational life	Electrical	10^5	Item 4.30 of IEC 61810-7
	Mechanical	10^7	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-200	5	6.5	125	3.75	0.25	0.20	≤10	≤5
006-200	6	7.8	180	4.50	0.30			
009-200	9	11.7	405	6.75	0.45			
012-200	12	15.6	720	9.00	0.60			
018-200	18	23.4	1620	13.5	0.90			
024-200	24	31.2	2880	18.0	1.20			
048-250	48	52.8	9216	38.4	2.40	0.25	≤10	≤5
005-450	5	6.5	56	3.75	0.25	0.45	≤10	≤5
006-450	6	7.8	80	4.50	0.30			
009-450	9	11.7	180	6.75	0.45			
012-450	12	15.6	320	9.00	0.60			
018-450	18	23.4	720	13.5	0.90			
024-450	24	31.2	1280	18.0	1.20			
048-450	48	52.8	5120	38.4	2.40			
100-600	100	130	16600	80.0	10.0	0.6	≤10	≤5

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

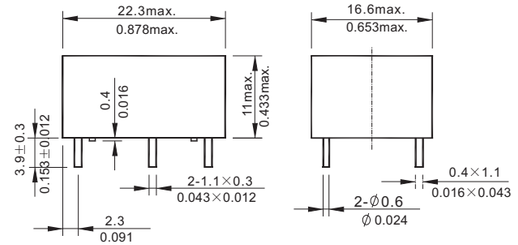
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 750V 50Hz 1500V	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5
Shock resistance	100m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 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 20℃)	IEC68-2-3 Test Ca
Mass	10g	

Safety approvals

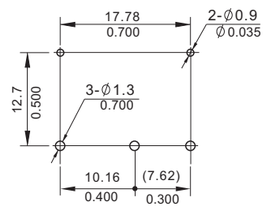
Safety approval	UL&CUR	TÜV	CQC
Load	1A：16A/250VAC 1C：10A/250VAC	16A/250VAC;14VDC	16A/250VAC

Dimensions

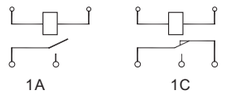
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

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

Reference Data

