



28.5×10.1×12.5

NT74

 E158859

 40019280

Features

- 10A switching capability.
- Small size, light weight.
- Low coil consumption.
- PC board mounting.
- Product in accordance to IEC 60335-1 available.
- Suitable for household electrical appliances, automation system, electrical equipment, instrument, meter telecommunication facilities and remote control facilities.

Ordering Information

NT74 1C S S G 10 DC12V

1 2 3 4 5 6 7

1 Part number: NT74
2 Contact arrangement: 1A:1A; 1C:1C
3 Enclosure: S: Wash tight; Z: Flux proof

4 Contact material: S: AgSnO₂; N: AgNi
5 Contact plating: Nil:Standard; G:Gold plated
6 Contact rating: 8:8A; 10:10A
7 Coil rated voltage(V): DC:5,6,9,12,18,24,48

Contact Data

Contact Arrangement	1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material	AgSnO ₂ AgNi	
Contact Rating	8A,10A/250VAC,30VDC 3A/230VAC,24VDC 85℃ (AgSnO ₂) 240VAC,D300 40℃ (AgSnO ₂)	
Max. Switching Power	300W 2500VA	
Max. Switching Voltage	300VDC 440VAC	Max. Switching Current:10A
Contact Resistance	≤100mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷	Item 4.31 of IEC 61810-7

Notes: For gold plated version, the min. switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type), the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (70%of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
5	6.5	113	3.5	0.5	0.22	≤10	≤5
6	7.8	164	4.2	0.6			
9	11.7	360	6.3	0.9	0.23	≤10	≤5
12	15.6	620	8.4	1.2			
18	23.4	1295	12.7	1.8	0.25	≤10	≤5
24	31.2	2350	16.8	2.4			
48	62.4	8000	33.6	4.8	0.29	≤10	≤5

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Operation condition

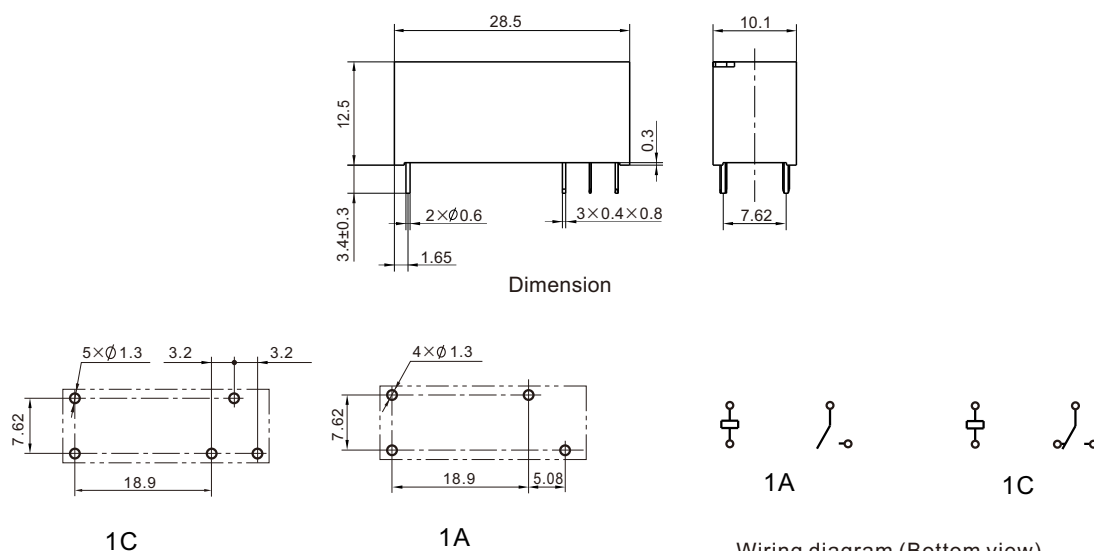
Insulation Resistance	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	1000VAC 1min 5000VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	Functional: NO:98m/s ² NC:49m/s ² Destructive: 980m/s ²	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude NO: 1.65mm (No Coil Voltage) NC: 0.8mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	8g	Item 4.7 of IEC 61810-7

Safety approvals

Safety approval	UL&CUR	VDE
Load	8A,10A/250VAC,30VDC 3A/230VAC,24VDC 85℃ (AgSnO ₂) 240VAC,D300 40℃ (AgSnO ₂)	1C:8A/250VAC 1A:10A/250VAC

Dimensions

mm



Mounting (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

Reference Data

