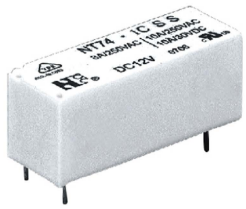
NT74



28.5×10.1×12.5

c UL us E158859 40019280

Features

- Small size, light weight.
- Low coil consumption.
- PC board mounting.
- 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 Contanct material: S: $AgSnO_2$; N: AgNi
5 Contact plating: Nil:Standard; G:Gold plated
6 Contact rating: 8A,10A/250VAC,30VDC
7 Coil rated voltage(V): DC:5,6,9,12,18,24,48,60

Contact Data

Contact Arrangement		1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material		$AgSnO_2$ AgNi	
Contact Rating (Resistive)		8A,10A/250VAC,30VDC	
Max. Switching Power		300W 2500VA	
Max. Switching Voltage		125VDC 440VAC	Max. Switching Current:10A
Contact Resistance		≤100mΩ	Item 4.12 of IEC 61810-7
Operational Life	Electrical	1×10^5	Item 4.30 of IEC 61810-7
	Mechanical	1×10^7	Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current(10mA/6VDC~100mA/28VDC), it only applies to the room temperature.
2.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

Dash numbers	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.						
005-220	5	6.5	113	3.5	0.5	0.22	≤10	≤5
006-220	6	7.8	164	4.2	0.6			
009-230	9	11.7	360	6.3	0.9	0.23	≤10	≤5
012-230	12	15.6	620	8.4	1.2			
018-250	18	23.4	1295	12.7	1.8	0.25	≤10	≤5
024-250	24	31.2	2350	16.8	2.4			
048-290	48	62.4	8000	33.6	4.8	0.29	≤10	≤5
060-290	60	78	12500	42	6.0			

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	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 50Hz 1000V 1min 50Hz 5000V 1min	 Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	Functional: NO:98m/s² NC:49m/s² Destructive:980m/s²	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
Mass	8g	Item 4.7 of IEC 61810-7

Safety approvals

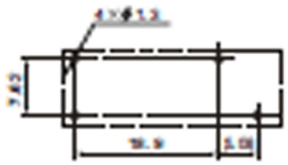
Safety approval	UL&CUR	VDE
Load	1A,1C:8A,10A/250VAC,30VDC	1C:8A/250VAC 1A:10A/250VAC

Dimensions

mm

Dimension

1C



1A

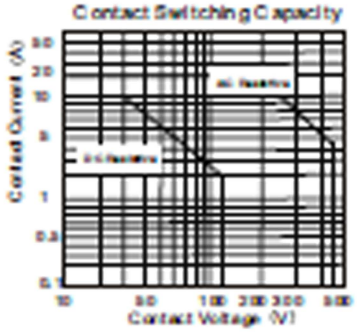
Mounting (Bottom view)

Wiring diagram (Bottom view)

CAUTION: In case of no tolerance shown in outline dimension: outline dimension ≤1 mm, 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

Contact Switching Capacity



Endurance Curve