



28.5×12.5×10.1

NT74

VDE 40019280 c UL[®] E158859

Patent No.: 200720107522.7

Features

- Small size, lightweight.
- 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 10 DC12V N G
 1 2 3 4 5 6 7

1 Part number: NT74
 2 Contact arrangement: 1A:1A;1C:1C;C2:1C2;
 2A:2A;2B:2B;2C:2C
 3 Enclosure: S: Sealed type; Z: Dust cover
 4 Contact rating: 1A,1C:8A,10A/250VAC 30VDC;
 2A,2B,2C:5A/250VAC 30VDC
 5 Coil rated voltage(V): DC:5,6,9,12,18,24,48,60
 6 Contact material: N: AgNi; S: AgSnO₂
 7 Contact plating: Nil: Standard; G: Gold plated

Contact Data

Contact Arrangement	1A (SPSTNO) 1C (SPDT(B-M)) 1C2 (SPDT(B-M)) 2A (DPSTNO) 2B(DPSTNC) 2C (DPDT(B-M))	
Contact Material	AgNi AgSnO ₂	
Contact Rating (resistive)	1A,1C,1C2:8A,10A/250VAC,30VDC 2A,2B,2C:5A/250VAC,30VDC	
Max. Switching Power	1A,1C,1C2:300W 2500VA 2A,2B,2C:150W 1250VA	
Max. Switching Voltage	440VAC 125VDC	Max. Switching Current:10A
Contact Resistance or Voltage drop	<100mΩ	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) (70%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption 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 7 of IEC 61810-5
Dielectric Strength	Between contacts	50Hz 1000V 1min
	Between contact and coil	50Hz 5000V 1min
	Between contact sets	50Hz 2500V 1min
Shock resistance	functional: 980m/s ²	IEC68-2-27 Test Ea
	survival: NO:98m/s ² NC:49m/s ²	
Vibration resistance	10~55Hz double amplitude NO: 1.65mm (no coil voltage) NC: 0.8mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40°C ~85°C	
Relative Humidity	35%~85% (at 40°C)	IEC68-2-3 Test Ca
Mass	8g	

Safety approvals

Safety approval	UL&CUR	VDE
Load	1A,1C,1C2:8A,10A/250VAC,30VDC 2A,2C:5A/250VAC,30VDC	8A/250VAC

Dimensions

mm /inch

Dimension

Mounting (Bottom view)

Wiring diagram (Bottom view)

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