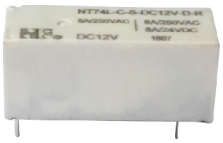


28.6×10.1×12.6

NT74L

Features

- Latching relay.
- Small size and light weight.
- Contact switching capacity can reach 10A.
- PC board mounting.

Ordering Information

NT74L	C	S	DC12V	D	R	G
1	2	3	4	5	6	7

1 Part number：NT74L
2 Contact arrangement：A:1A; C:1C
3 Enclosure：S: Wash tight；Z: Flux proof
4 Coil rated voltage(V)： DC:3,5,12,24

5 Coil ： NIL:Single coil； D: double coils
6 Polarity： Nil: standard； R: reverse polarity
7 Contact plating： NIL:Standard； G:Gold plated

Contact Data

Contact Arrangement		1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material		$AgSnO_2$	
Contact Rating(Resistive)		NO:10A/250VAC,24VDC NC:8A/250VAC,24VDC	
Max. Switching Power		240W 2500VA	
Max. Switching Voltage		150VDC 400VAC	Max. Switching Current:10A
Contact Resistance		≤100mΩ	Item4.12 of IEC61810-7
Operational Life	Electrical	5×10^4	Item 4.30 of IEC 61810-7
	Mechanical	5×10^6	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Rated voltage VDC	Coil resistance Ω ±10%	Set/Reset voltage VDC (70% of rated voltage)	Pulse duration ms	Coil power W	Set time ms	Reset time ms
1 Coil							
003-250 005-250 012-250 024-250	3 8 12 24	36 100 576 2300	2.1 3.5 8.4 16.8	≥30	0.25	≤10	≤10
2 Coils							
003-480 005-480 012-480 024-480	3 5 12 24	2×19 2×52 2×300 2×1200	2.1 3.5 8.4 16.8	≥30	2×0.48	≤10	≤10

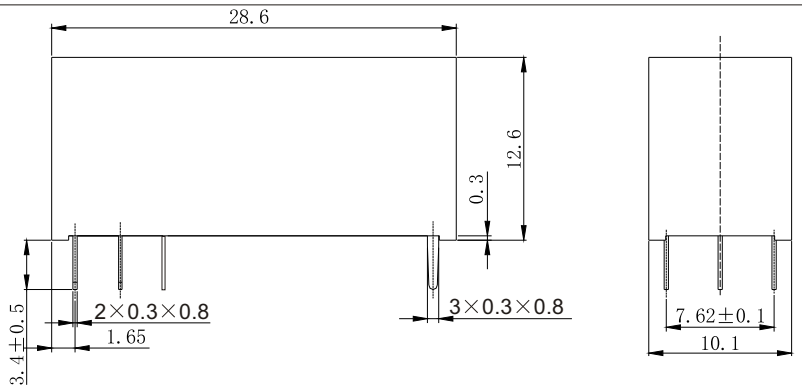
CAUTION: 1.When latching relays are installed in equipment, the latch and reset coil should not be powered simultaneously. Coil should not be pulsed with less than the nominal coil voltage and pulse width should be a minimum of three times the specified operate time of the relay. If these conditions are not followed, it is possible for the relay to in be the magnetically neutral position .
2.Switching voltage is for test purpose only and are no to be used as design criteria.

Characteristics

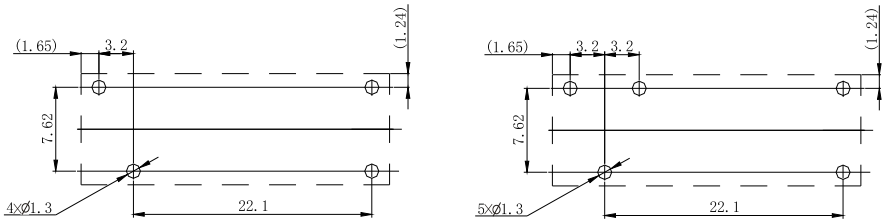
Insulation Resistance	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 50Hz 1000V 50Hz 5000V	 Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	Functional:98m/s^2 Destructive:980m/s^2	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.65mm	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

Dimensions

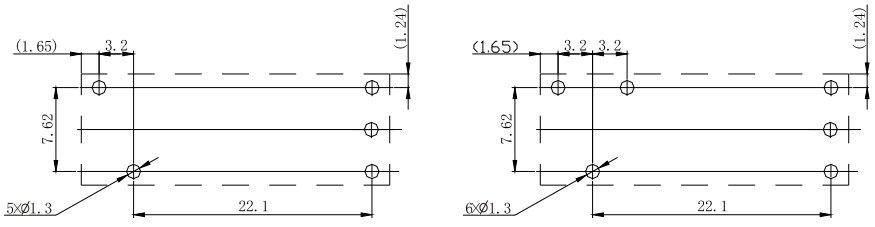
mm



Dimension



1A 1C

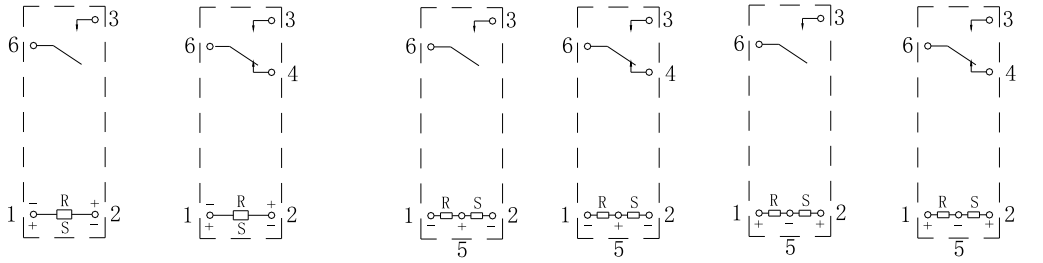


1AD 1CD

Mounting (Bottom view)

CAUTION: 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.

Dimensions mm



1A　1C　1A(D Type)　1C(D Type)　1A(DR Type)　1C(DR Tpe)

S：Set
R：Reset

Wiring diagram(Bottom view)