



28.6×10.1×12.6

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:3,5,9,12,24

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 | 3 | 36 | 2.1 | ≥30 | 0.25 | ≤10 | ≤10 |
| 005-250 | 5 | 100 | 3.5 | | | | |
| 009-250 | 9 | 324 | 8.4 | | | | |
| 012-250 | 12 | 576 | 8.4 | | | | |
| 024-250 | 24 | 2300 | 16.8 | | | | |
| 2 Coils | | | | | | | |
| 003-480 | 3 | 2×19 | 2.1 | ≥30 | 2×0.48 | ≤10 | ≤10 |
| 005-480 | 5 | 2×52 | 3.5 | | | | |
| 009-480 | 9 | 2×169 | 8.4 | | | | |
| 012-480 | 12 | 2×300 | 8.4 | | | | |
| 024-480 | 24 | 2×1200 | 16.8 | | | | |

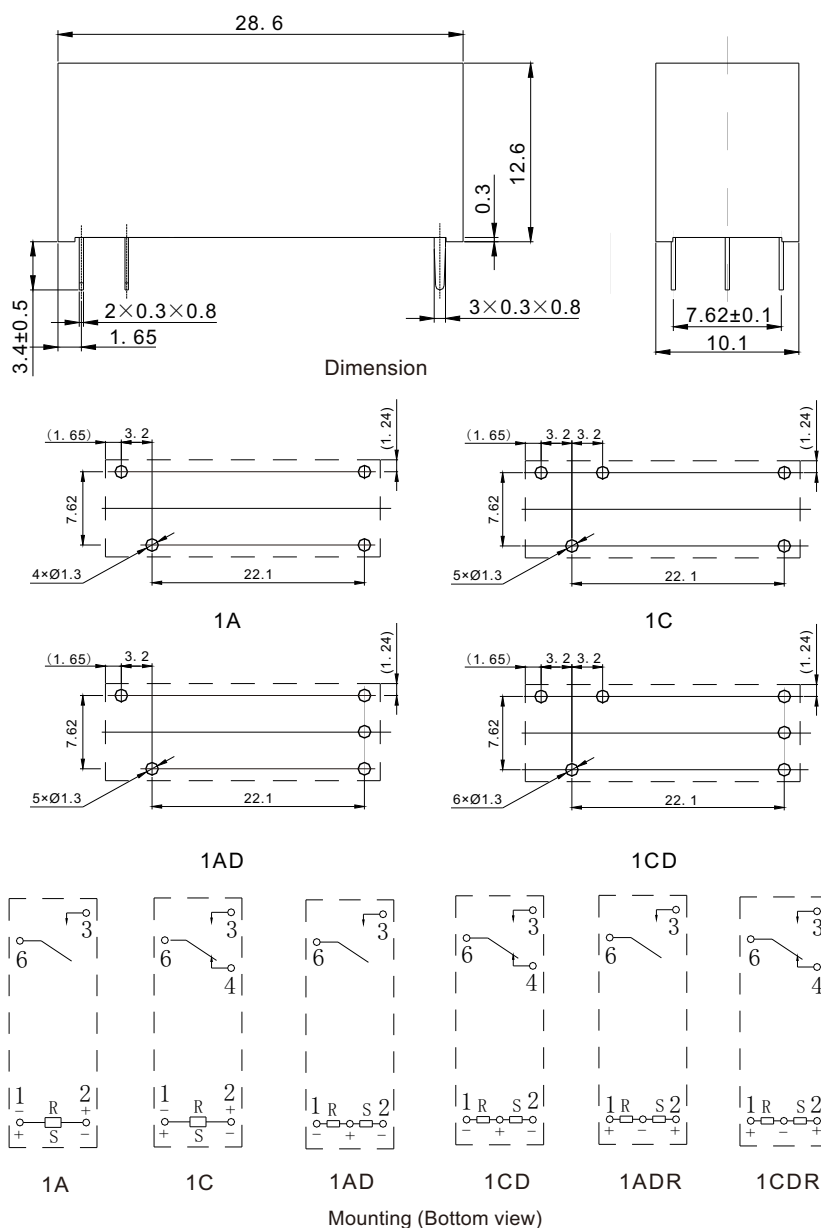
CAUTION: 1.When latching relays are installed in equipment, the latch and reset coil should not be powered simultaneously. Coil should not be pulsed with less than the nominal coil voltage and pulse width should be a minimum of three times the specified operate time of the relay. If these conditions 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 | 1000M Ω 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 | Item 4.26 of IEC 61810-7 |
| | Destructive:980m/s ² | |
| 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



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