

39×15×25.6

NT95L

UL US E158859 CQC 14002116012

Features

- Single and double coils magnet latching relay available.
- Switching capacity up to 50A.
- PC board mounting.

Ordering Information

NT95L A D Z R DC12V
 1 2 3 4 5 6

1 Part number: NT95L
 2 Contact arrangement: A:1A; C:1C
 3 Coil: Nil:Single coil; D:Double coils

4 Enclosure: Z: Flux proof; S: Wash tight
 5 Polarity: Nil: Standard; R: Reverse polarity
 6 Coil rated voltage(V): DC:6,9,12,24,48

Contact Data

| | | | |
|------------------------|--|---|--------------------------|
| Contact Arrangement | 1A(SPSTNO); 1C(SPDT(B-M)) | | |
| Contact Material | AgSnO ₂ | | |
| Contact Rating | 1A: 50A/277VAC 1×10 ⁵ Motor Load:5HP 240VAC 3×10 ⁵ Incandescent Lamp 5000W 240VAC 3×10 ⁵ Electronic ballast:16A/277VAC 6×10 ³ 1C: 40A/277VAC 3×10 ⁵ | | |
| Max. Switching Power | 1A:13850VA ; 1C:12500VA | | |
| Max. Switching Voltage | 440VAC | Max. Switching Current:50A | |
| Contact Resistance | ≤20mΩ(1A/240VDC) | Item 4.12 of IEC 61810-7 | |
| Operational Life | Electrical | Refer to the table for the rating details | 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 (80% of rated voltage) | Pulse duration ms | Coil power W | Set time ms | Reset time ms |
|--------------|-------------------|-------------------------|--|-------------------|--------------|-------------|---------------|
| 1 Coil | | | | | | | |
| 006-1500 | 6 | 24 | 4.8 | ≥50 | 1.5 | ≤15 | ≤15 |
| 009-1500 | 9 | 54 | 7.2 | | | | |
| 012-1500 | 12 | 96 | 9.6 | | | | |
| 024-1500 | 24 | 384 | 19.2 | | | | |
| 048-1500 | 48 | 1536 | 38.4 | | | | |
| 2 Coils | | | | | | | |
| 006-3000 | 6 | 2×12 | 4.8 | ≥50 | 2×3.0 | ≤15 | ≤15 |
| 009-3000 | 9 | 2×27 | 7.2 | | | | |
| 012-3000 | 12 | 2×48 | 9.6 | | | | |
| 024-3000 | 24 | 2×192 | 19.2 | | | | |
| 048-3000 | 48 | 2×768 | 38.4 | | | | |

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 1500V 50Hz 4000V | Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7 |
| Creepage Distance | 1A: 8mm; 1C: 6mm | |
| Shock Resistance | Functional: 98m/s ² 11ms Destructive: 980m/s ² 11ms | Item 4.26 of IEC 61810-7 |
| Vibration Resistance | 10Hz~55Hz Double amplitude 1.5mm | Item 4.28 of IEC 61810-7 |
| Terminals Strength | 10N | Item 4.24 of IEC 61810-7 |
| Ambient Temperature | -40 $^{\circ}$ C~70 $^{\circ}$ C | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 61810-7 |
| Mass | 1A: 25g; 1C: 29g | Item 4.7 of IEC 61810-7 |

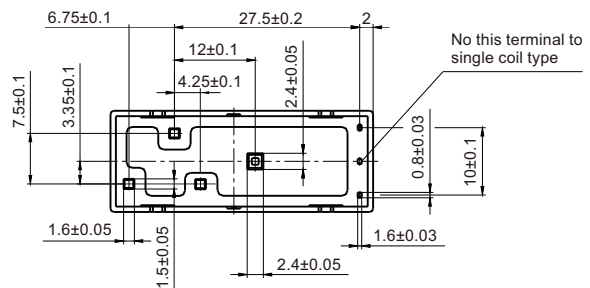
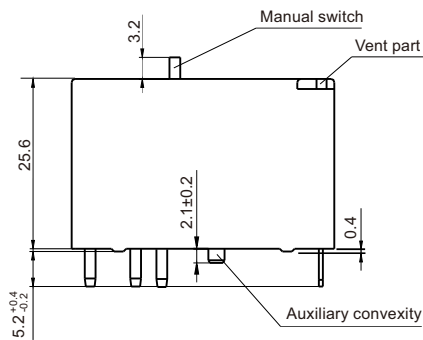
Safety Approvals

| | | |
|-----------------|----------------|----------------|
| Safety approval | UL&CUR | CQC |
| Load | 1A: 50A/277VAC | 1A: 50A/277VAC |

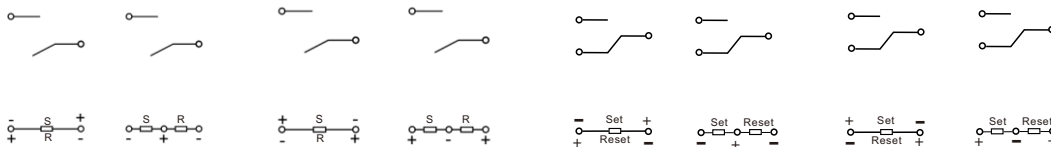
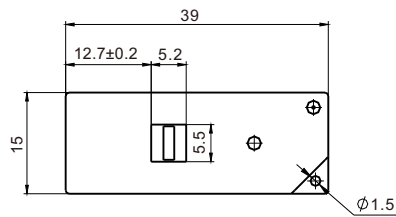
Dimensions

mm

1C



Mounting (Bottom view)



Standard

Reverse polarity

Standard

Reverse polarity

1A

S:Set
R:Reset

1C

Wiring diagram(Bottom view)

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.