39×15×25.6

NT95L

c UL us E169380

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
3 Coil：Nil:Single coil；D:double coils
4 Enclosure： Z: Flux proof
5 Polarity： Nil: standard; R: reverse polarity
6 Coil rated voltage(V)： DC:6,9,12,24,48

Contact Data

Contact Arrangement		1A(SPSTNO)	
Contact Material		$AgSnO_2$	
Contact Rating(Resistive)		50A/277VAC Motor Load:5HP 240VAC Incandescent Lamp 5000W 240VAC; Inductive:16A/277VAC	
Max. Switching Power		13850VA	
Max. Switching Voltage		440VAC	Max. Switching Current:50A
Contact Resistance		⩽20mΩ	Item 4.12 of IEC 61810-7
Operational Life	Electrical	1×10^5	Item 4.30 of IEC 61810-7
	Mechanical	5×10^6	Item 4.31 of IEC 61810-7

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

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 009-1500 012-1500 024-1500 048-1500	6 9 12 24 48	24 54 96 384 1536	4.8 7.2 9.6 19.2 38.4	⩾50	1.5	⩽15	⩽15
2 Coils							
006-3000 009-3000 012-3000 024-3000 048-3000	6 9 12 24 48	2×12 2×27 2×48 2×192 2×768	4.8 7.2 9.6 19.2 38.4	⩾50	2 ×3.0	⩽15	⩽15

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

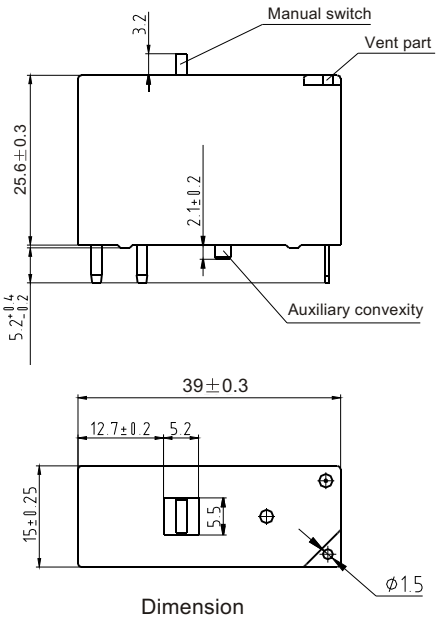
Insulation Resistance	1000MΩ min (at 500VDC)	Item 4.11 of IEC61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 50Hz 1500V 50Hz 4000V	 Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Creepage Distance	8mm	
Shock Resistance	Functional: 98m/s^2 11ms Destructive: 980m/s^2 11ms	Item 4.26 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℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	25g	Item 4.7 of IEC 61810-7

Safety Approvals

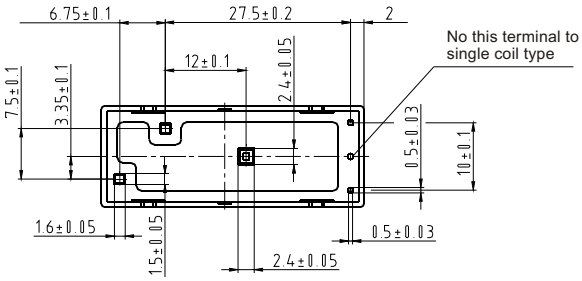
Safety approval	UL&CUR
Load	50A/277VAC

Dimensions

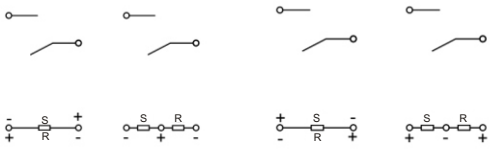
mm



Dimension



Mounting (Bottom view)



Standard Reverse polarity

S：Set

R：Reset

Wiring diagram(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.