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: Dust cove; S：Sealed type；
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		12500VA	
Max. Switching Voltage		440VAC	Max. Switching Current:50A
Contact Resistance or Voltage drop		≤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	Coil rated voltage VDC	Coil resistance Ω ±10%	Switching voltage VDC (80% of rated voltage)	Pulse magnitude ms	Coil power consumption W	Operate Time ms	Release 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 coil							
006-3000 009-3000 012-3000 024-3000 048-3000	6 9 12 24 48	12+12 27+27 48+48 192+192 768+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.

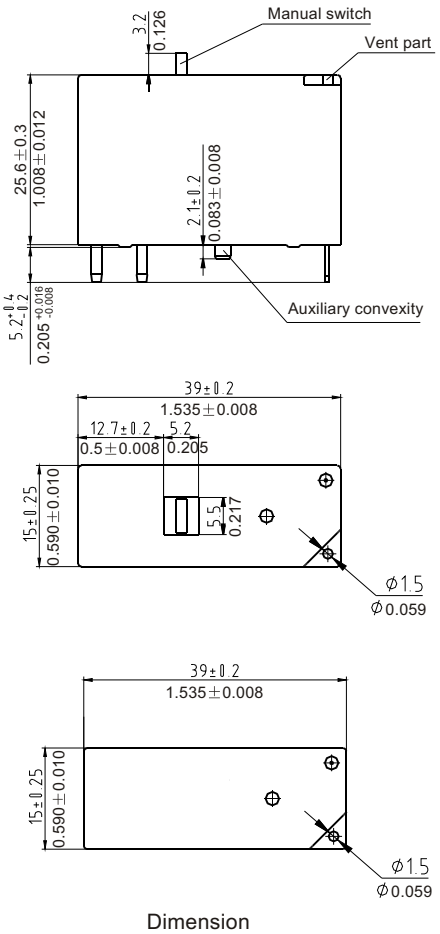
Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1500V 50Hz 4000V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Creepage distance	8mm	Addenda B of IEC 60255-5
Shock resistance	Functional: 98m/s^2 11ms Survival: 980m/s^2 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235℃±2℃ 3s±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40℃~70℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	25g	

Safety approvals

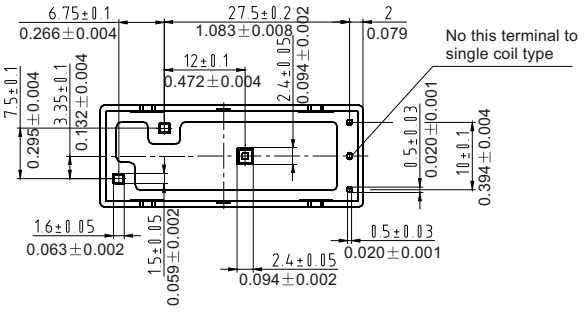
Safety approval	UL&CUR	CQC
Load	50A/277VAC	50A/277VAC

Dimensions

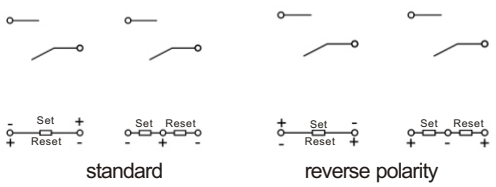


Dimension

mm /inch



Mounting (Bottom view)



Wiring diagram(Bottom view)

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