



39×15×25

UL On Pending

CQC On Pending

NT95L

Features

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

Ordering Information

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

1 Part number: NT95L
 2 Contact arrangement: A: 1A;
 3 Enclosure: Z: Dust cover

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

Contact Data

Contact Arrangement	1A (SPSTNO)		
Contact Material	AgSnO ₂		
Contact Rating	resistive: 50A/277VAC; motor load:5HP 240VAC; Inductive:incandescent lamp 5000W 240VAC; 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	5×10 ⁴	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.
 2.For gold plated version, the min. switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

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	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 coil							
006-3000	6	12+12	4.8	≥50	2×3.0	≤15	≤15
009-3000	9	27+27	7.2				
012-3000	12	48+48	9.6				
024-3000	24	192+192	19.2				
048-3000	48	768+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.

Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	50Hz 1500V	Item 6 of IEC 60255-5
Between contacts	50Hz 4000V	Item 6 of IEC 60255-5
Between contact and coil		
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	

Dimensions

mm /inch

