39×15×25.6

NT95L

c UL us E174722

Features

- Single and double coils magnet latching relay available.
- 50A switching capability.
- 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(With manual switch); S: Flux proof(Without manual switch) 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 3×10^4 Incandescent lamp: 5000W 240VAC 3×10^4 Electronic ballast: 16A/277VAC 6×10^3 1C: 40A/277VAC 3×10^4	
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
Electrical Endurance	Refer to the table for the rating details	Item 4.30 of IEC 61810-7
Mechanical Endurance	5×10^6	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil 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

Notes: 1.When latching relays are installed in equipment, the latch and reset coil should not be powered simultaneously. Coil should not bepulsed 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

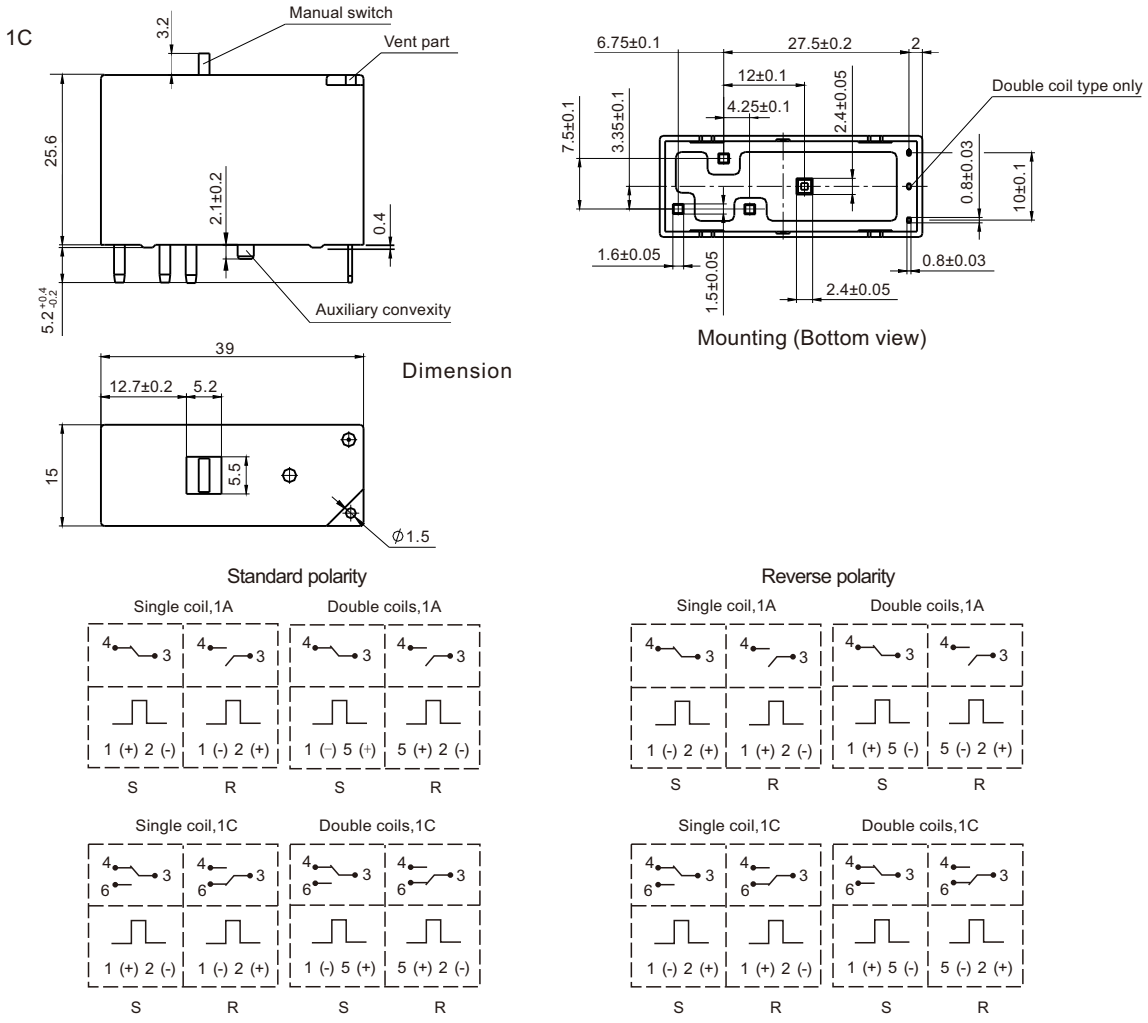
Insulation Resistance	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 1500VAC 1min 4000VAC 1min	Item 4.9 of IEC 61810-7
Creepage Distance	1A: 8mm; 1C: 6mm	
Shock Resistance	Functional: 98m/s² 11ms Destructive: 980m/s² 11ms	Item 4.26 of IEC 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
Weight (Approx.)	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



Remark: 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.