29×12.7×15.7

NT75L

c UL us E169380

Features

- Single and double coils magnet latching relay available.
- Small size, light weight.
- Low coil consumption.
- Switching current up to 20A.
- PC board mounting.

Ordering Information

NT75L	C	S	DC12V	D	R	G	F
1	2	3	4	5	6	7	8

1 Part number:NT75L
2 Contact arrangement:A:1A; C:1C
3 Enclosure:S: Sealed type; Z: Dust cove
4 Coil rated voltage(V): DC:3,5,6,9,12,24

5 Coil : NIL:Single coil; D: double coils
6 Polarity: Nil: standard; R: reverse polarity
7 Contact plating:NIL:Standard; G:Gold plated
8 Resist heat class: F:155℃

Contact Data

Contact Arrangement	1A（SPSTNO） 1C（SPDT(B-M)	
Contact Material	$AgSnO_2$	
Contact Rating	resistive: 16A/250VAC（1 coil: 0.4W; 2 coil: 0.6W）; motor load:1HP 240VAC; Inductive:incandescent lamp 1500W 277VAC; TV-8 120VAC standard ballast: 8A/277AC electronic ballast: 5A/120VAC	
Max. Switching Power	4000VA	
Max. Switching Voltage	440VAC	Max. Switching Current:20A
Surge Current	165A/20ms	
Contact Resistance or Voltage drop	≤50mΩ	Item4.12 of IEC61810-7
Operational life — Electrical	5×10^4	Item 4.30 of IEC 61810-7
Operational life — Mechanical	2×10^6	Item 4.31 of IEC 61810-7

CAUTION: 1.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 (70% of rated voltage)	Pulse magnitude ms	Coil power consumption W	Operate Time ms	Release Time ms
1 coil							
003-400	3	22.5	2.1	≥30	0.4	≤10	≤10
005-400	5	62.5	3.5				
006-400	6	90	4.2				
009-400	9	202.5	6.3				
012-400	12	360	8.4				
024-400	24	1440	16.8				
2 coil							
003-600	3	2×15	2.1	≥30	0.6	≤10	≤10
005-600	5	2×42	3.5				
006-600	6	2×60	4.2				
009-600	9	2×135	6.3				
012-600	12	2×240	8.4				
024-600	24	2×960	16.8				
012-600	12	2×144	8.4				
024-600	24	2×576	16.8				

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

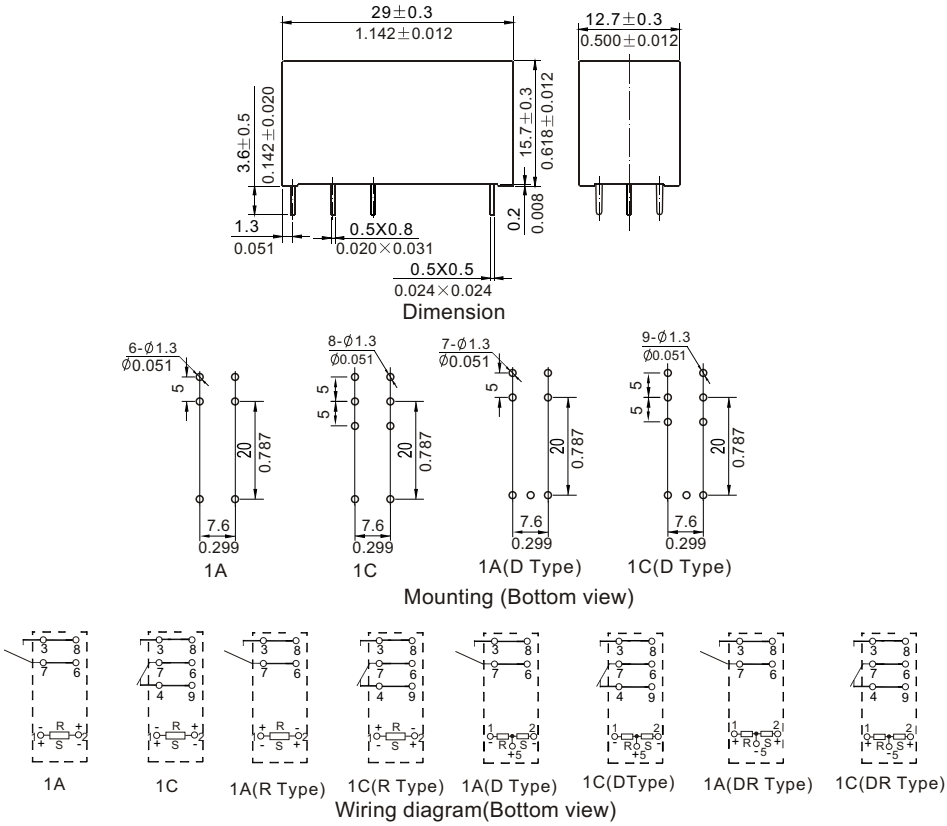
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1000V 50Hz 5000V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Creepage distance	8.4mm	Addenda B of IEC 60255-5
Shock resistance	98m/s^2 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	260℃±5℃ 5s±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40℃~85℃	
Relative Humidity	5%~85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	13g	

Safety approvals

Safety approval	UL&CUR	CQC
Load	16A/250VAC;	16A/250VAC;

Dimensions

mm /inch



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