

19.5×15.6×15.3

NT73 -2

40038727

c UL us E169380 R50142718

Features

- Small size, light weight, heavy reverse power.
- Low coil power consumption.
- Product in accordance to IEC60335-1 available.
- PC board mounting.
- Suitable for automation control, telecommunication equipment, household electrical appliances and machinery electrical facilities.

Ordering Information

NT73-2	C	-	S	10	DC12V	0.36
1	2		3	4	5	6

1 Part number: NT73-2
2 Contact arrangement: A:1A; B:1B; C:1C
3 Enclosure: S: Wash tight; NIL: Flux proof
4 Contact rating: 10:10A; 12:12A; 15:15A; 20:20A
5 Coil rated voltage(V): DC: 3,5,6,9,12,24,48
6 Coil power: 0.36:0.36W; 0.45:0.45W; 0.8:0.8W

Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))	
Contact Material	$AgSnO_2$	
Contact Rating[1)]	5A,6A,10A,12A/125VAC,28VDC;20A/125VAC,16VDC(0.8W); 6A/250VAC,277VAC;5A,10A/250VAC; 12A/250VAC(white cover); 15A/125VAC	
	Motor load: ⅓HP 125VAC ; ⅓HP 277VAC	
Max. Switching Power	336W 3000VA	
Max. Switching Voltage	30VDC 277VAC	Max. Switching Current:20A
Contact Resistance	≤100mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10^5	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10^7	Item 4.31 of IEC 61810-7

Notes: 1)The vent hole should be opened when testing enclosed relay.

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (75%of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
3	3.9	25	2.25	0.3	0.36	≤10	≤5
5	6.5	70	3.75	0.5			
6	7.8	100	4.50	0.6			
9	11.7	225	6.75	0.9			
12	15.6	400	9.00	1.2			
24	31.2	1600	18.0	2.4			
48	62.4	6400	36.0	4.8			
3	3.9	20	2.25	0.3	0.45	≤10	≤5
5	6.5	55.6	3.75	0.5			
6	7.8	80	4.50	0.6			
9	11.7	180	6.75	0.9			
12	15.6	320	9.00	1.2			
24	31.2	1280	18.0	2.4			
48	62.4	5120	36.0	4.8			
3	3.9	11	2.25	0.3	0.80	≤10	≤5
5	6.5	31	3.75	0.5			
6	7.8	45	4.50	0.6			
9	11.7	101	6.75	0.9			
12	15.6	180	9.00	1.2			
24	31.2	720	18.0	2.4			
48	62.4	2880	36.0	4.8			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

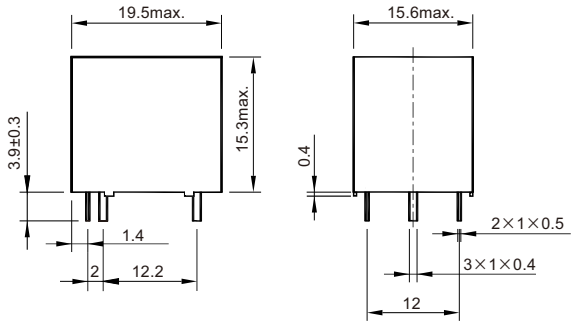
Insulation Resistance	250MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	 750VAC 1min 1500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s^2 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-55℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	9.5g	Item 4.7 of IEC 61810-7

Safety Approvals

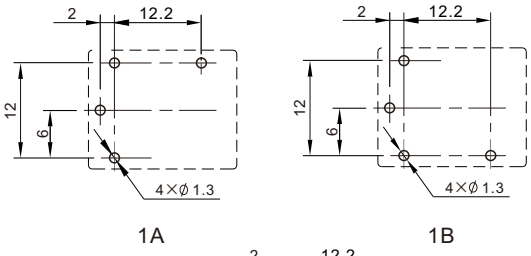
Safety approval	UL	TüV	VDE
Load	20A/125VAC,16VDC 6A/277VAC 5A,10A,12A,15A/125VAC,28VDC 5A,10A/250VAC ⅓HP 125VAC/277VAC	6A/250VAC,28VDC	12A/250VAC 85℃ NO 10A/250VAC 85℃ NO 6A/250VAC 105℃ NO 6A/250VAC 85℃ NO

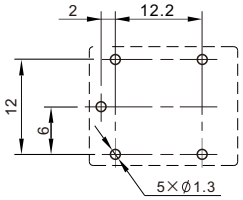
Dimensions

mm

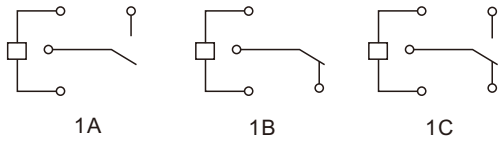


Dimensions





Mounting (Bottom view)

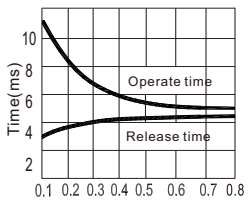


Wiring diagram(Bottom view)

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.

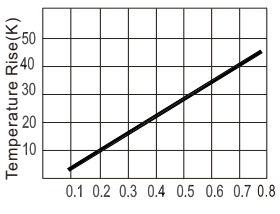
Reference Data

Operation Time



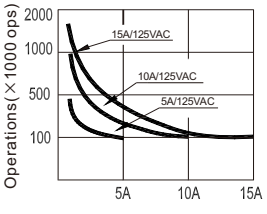
Coil Power(W)

Coil Temperature Rise



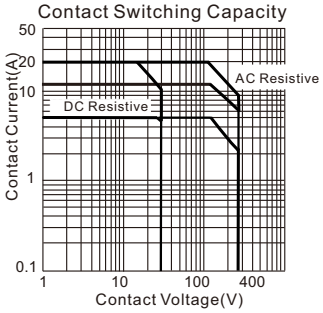
Coil Power(W)

Endurance Curve



Contact Current(A)

Contact Switching Capacity



Contact Voltage(V)