



19.7×16.2×17.2

NT73-3



40014769



E174722



R50480454

Features

- Superminiature, high power.
- Low coil power consumption.
- PC board mounting.
- Suitable for household appliances, automation system, electronic equipment, instrument and meter, communication facilities and remote control facilities.

Ordering Information

<u>NT73-3</u>	<u>C</u>	<u>S</u>	<u>20</u>	<u>DC12V</u>	<u>0.36</u>	<u>F</u>
1	2	3	4	5	6	7
1 Part number: NT73-3	4 Contact rating: 5:5A; 7:7A; 10:10A; 12:12A; 15:15A; 20:20A					5 Coil rated voltage(V): DC:3,5,9,12,24
2 Contact arrangement: A:1A; B:1B; C:1C	6 Coil power: 0.36:0.36W; 0.45:0.45W; 0.6:0.6W; 0.8:0.8W					7 Insulation standard: NIL:130℃; F:155℃
3 Enclosure: S: Wash tight D: Flux proof						

Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))
Contact Material	AgSnO ₂
Contact Rating ¹⁾	5A,10A/250VAC;7A,16A/277VAC;12A,20A/125VAC;15A/250VAC(1A) TV-8 Motor load: NO:1HP 125VAC,250VAC; 20A/125VAC NC:½HP 125VAC,250VAC; 20A/125VAC
Max. Switching Power	4450VA
Max. Switching Voltage	277VAC
Max. Switching Current	20A
Contact Resistance	≤100mΩ
Item 4.12 of IEC 61810-7	
Electrical Endurance	1×10 ⁵ ;5×10 ⁴ (1C);1×10 ⁴ (15A/250VAC 85℃)
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	≤15	≤10
5	6.5	69	3.75	0.5			
9	11.7	225	6.75	0.9			
12	15.6	400	9.00	1.2			
24	31.2	1600	18.0	2.4			
3	3.9	20	2.25	0.3	0.45	≤15	≤10
5	6.5	55.6	3.75	0.5			
9	11.7	180	6.75	0.9			
12	15.6	320	9.00	1.2			
24	31.2	1280	18.0	2.4			
3	3.9	15	2.25	0.3	0.60	≤15	≤10
5	6.5	42	3.75	0.5			
9	11.7	135	6.75	0.9			
12	15.6	240	9.00	1.2			
24	31.2	960	18.0	2.4			

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.

Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	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	11	2.25	0.3	0.8	≤ 15	≤ 10
5	6.5	31	3.75	0.5			
9	11.7	101	6.75	0.9			
12	15.6	180	9.00	1.2			
24	31.2	720	18.0	2.4			

Characteristics

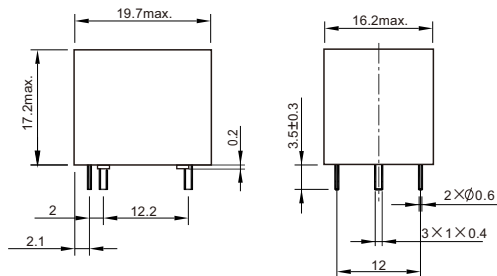
Insulation Resistance	250M Ω min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	1000VAC 1min	Item 4.9 of IEC 61810-7
	2500VAC 1min	
	Surge voltage:4kV(1.2/50 μ s)	
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.0mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	11.5g	Item 4.7 of IEC 61810-7

Safety Approvals

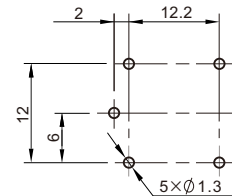
Safety approval	UL&CUR	TüV	VDE
Load	16A/277VAC;10A/250VAC;TV-8 NO:1HP 125VAC,250VAC;20A/125VAC NC:½HP 125VAC,250VAC;20A/125VAC	NO:15A/250VAC	NO:10A/250VAC NC:7A/250VAC

Dimensions

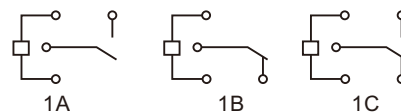
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm ;
outline dimension >1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension >5 mm, tolerance should be ± 0.4 mm.

Reference Data

