



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

NT73-3 C S 20 DC12V 0.36 F
 1 2 3 4 5 6 7

1 Part number: NT73-3	4 Contact current: 5:5A; 7:7A; 10:10A; 12:12A; 15:15A; 20:20A
2 Contact arrangement: A:1A; B:1B; C:1C	5 Coil rated voltage(V): DC:3,5,6,9,12,18,24,36,48
3 Enclosure: S: Wash tight D: Flux proof	6 Coil power: 0.36:0.36W; 0.45:0.45W; 0.6:0.6W; 0.8:0.8W
	7 Resistance heat Class: NIL:130°C ; F:155°C

Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating (Resistive)	5A,10A/250VAC; 7A,16A/277VAC;12A,20A/125VAC; 15A/250VAC(1A) TV-8 Motor Load: NO:1HP(AFLA)125VAC,250VAC 20A/125VAC NC:1/2HP(AFLA)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
Operational Life	Electrical	1×10 ⁵ ;5×10 ⁴ (1C);1×10 ⁴ (15A/250VAC 85°C) Item 4.30 of IEC 61810-7
	Mechanical	1×10 ⁷ Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.

Coil Parameter

Dash numbers	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.									
003-360	3	3.9	25	2.25	0.3	0.36	≤15	≤10			
005-360	5	6.5	69	3.75	0.5						
006-360	6	7.8	100	4.50	0.6						
009-360	9	11.7	225	6.75	0.9						
012-360	12	15.6	400	9.00	1.2						
018-360	18	23.4	900	13.5	1.8						
024-360	24	31.2	1600	18.0	2.4						
036-360	36	46.8	3600	27.0	3.6						
048-360	48	62.4	6400	36.0	4.8						
003-450	3	3.9	20	2.25	0.3				0.45	≤15	≤10
005-450	5	6.5	55.6	3.75	0.5						
006-450	6	7.8	80	4.50	0.6						
009-450	9	11.7	180	6.75	0.9						
012-450	12	15.6	320	9.00	1.2						
024-450	24	31.2	1280	18.0	2.4						
048-450	48	62.4	5120	36.0	4.8						
003-600	3	3.9	15	2.25	0.3	0.60	≤15	≤10			
005-600	5	6.5	42	3.75	0.5						
006-600	6	7.8	60	4.50	0.6						
009-600	9	11.7	135	6.75	0.9						
012-600	12	15.6	240	9.00	1.2						
024-600	24	31.2	960	18.0	2.4						
048-600	48	62.4	3840	36.0	4.8						

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pickup 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.						
003-800	3	3.9	11	2.25	0.3	0.80	≤ 15	≤ 10
005-800	5	6.5	31	3.75	0.5			
006-800	6	7.8	45	4.50	0.6			
009-800	9	11.7	101	6.75	0.9			
012-800	12	15.6	180	9.00	1.2			
024-800	24	31.2	720	18.0	2.4			
048-800	48	62.4	2880	36.0	4.8			

Characteristics

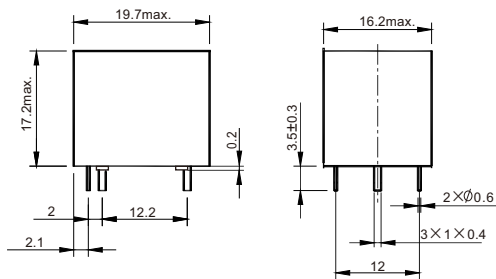
Insulation Resistance	250M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between Contacts Between Contact and Coil	50Hz 1000V 50Hz 2500V Surge Voltage:4kV	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.0mm	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
Mass	11.5g	Item 4.7 of IEC 61810-7

Safety Approvals

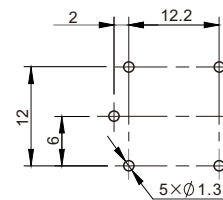
Safety approval	UL&CUR	TUV	VDE
Load	16A/277VAC;10A/250VAC;TV-8 NO:1HP(16AFLA)125VAC,250VAC;20A/125VAC NC:1/2HP(9.8AFLA)125VAC,250VAC;20A/125VAC	NO:15A/250VAC	NO:10A/250VAC NC:7A/250VAC

Dimensions

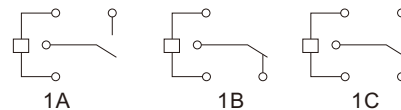
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

CAUTION: 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

