

19.5×16.0×17.1

NT73-3

VDE 40014769 cULus E174722
CQC 08001023923

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
2 Contact arrangement：A:1A；B:1B；C:1C
3 Enclosure：S: Sealed type；D: Dust cover
4 Contact current：5:5A；7:7A；10:10A；12:12A；20:20A
5 Coil rated voltage(V)：DC:3,5,6,9,12,18,24,36,48
6 Coil power consumption：0.36:0.36W；0.45:0.45W；0.6:0.6W；0.8:0.8W
7 Resistance heat Class：NIL:130℃；F:155℃

Contact Data

Contact Arrangement		1A（SPSTNO）、1B（SPSTNC）、1C（SPDT(B-M)）	
Contact Material		AgCdO $AgSnO_2$	
Contact Rating (resistive)		5A,10A/250VAC 7A,16A/277VAC 12A,20A/125VAC TV-8	
		Motor load：NO:1HP 250VAC NC:1/2HP 250VAC	
Max. Switching Power		3840VA	
Max. Switching Voltage		250VAC	Max. Switching Current:20A
Contact Resistance or Voltage drop		≤100mΩ	Item 4.12 of IEC 61810-7
Operational life	Electrical	10^5，5×10^4（1C）	Item 4.30 of IEC 61810-7
	Mechanical	10^7	Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75%of rated voltage)	release voltage VDC(min) (5%or 10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
003-360	3	3.9	25	2.25	0.15	0.36	≤15	≤10
005-360	5	6.5	69	3.75	0.25			
006-360	6	7.8	100	4.50	0.30			
009-360	9	11.7	225	6.75	0.45			
012-360	12	15.6	400	9.00	0.6			
018-360	18	23.4	900	13.5	0.9			
024-360	24	31.2	1600	18.0	1.2			
036-360	36	46.8	3600	27.0	1.8			
048-360	48	62.4	6400	36.0	2.4			
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			

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption 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			

Operation condition

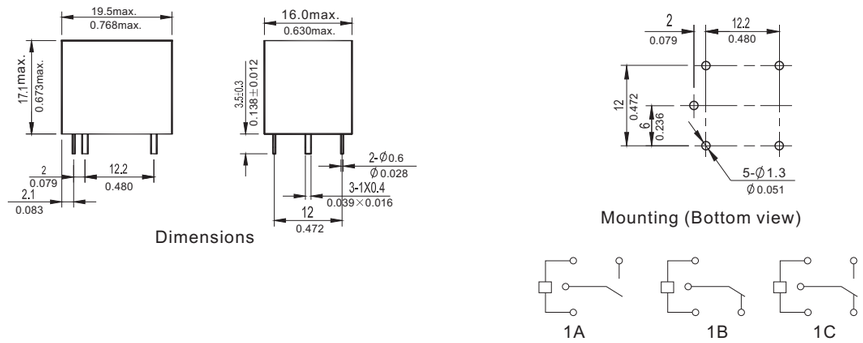
Insulation Resistance	250MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1000V 50Hz 2500V Surge Voltage:4kV	 Item 6 of IEC 61810-5 Item 6 of IEC 61810-5
Shock resistance	100m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.0mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40℃~85℃	
Relative Humidity	93% (at 40℃)	IEC68-2-3 Test Ca
Mass	10g	

Safety approvals

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

Dimensions

mm /inch



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

Reference Data

