

NT71 (N4123)



22.5×16.5×16.5

E158859

CH0077844

on Pending

Features

- Superminiature, low coil power consumption.
- Switching capacity up to 15A.
- PC board mounting.
- Suitable for household electrical appliance, automation system, instrument and meter.

Ordering Information

NT71 C S 10 DC12V 0.36
1 2 3 4 5 6

1 Part number: NT71 (4123)

2 Contact arrangement: A:1A; B:1B; C:1C

3 Enclosure: S: Sealed type; NIL: Dust cover

4 Contact Current: 5A,7A,10A,15A

5 Coil rated Voltage(V): DC:3,6,9,12,18,24,48

6 Coil power consumption: 0.36:0.36W; 0.45:0.45W

Contact Data

Contact Arrangement	1A(SPSTNO), 1B(SPSTNC), 1C(SPDT(B-M))
Contact Material	Ag-CdO AgSnO ₂
Contact Rating (resistive)	5A,10A,15A/120VAC,28VDC; 5A;7A,10A/220VAC ;
Max. Switching Power	420W 1800VA
Max. Switching Voltage	110VDC 380VAC
Contact Resistance or Voltage drop	≤50mΩ
Operation life	Electrical 10 ⁵ Mechanical 10 ⁷
	Max. Switching Current:20A Item 3.12 of IEC255-7 Item 3.30 of IEC255-7 Item 3.31 of IEC255-7

Coil Parameter

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.						
003-360	3	3.9	25	2.25	0.3	0.36	<10	<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			
048-360	48	62.4	6400	36.0	4.8			
003-450	3	3.9	20	2.25	0.3			
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			
018-450	18	23.4	720	13.5	1.8			
024-450	24	31.2	1280	18.0	2.4			
048-450	48	62.4	5120	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.

Operation condition

Insulation Resistance	100M Ω min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~50Hz amplitude 0.35mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235 \pm 2 \circ C 3 \pm 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70 \circ C	
Relative Humidity	85% (at 40 \circ C)	IEC68-2-3Test Ca
Mass	11g	

Qualification inspection:

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

Safety approvals

Safety approval	UL	CCEE
Load	10A, 15A/120VAC 28VDC	6A/250VAC

Dimensions (Unit: mm)

	mm	inch
Mounting (Bottom views)	0.3	0.012
	0.4	0.016
	0.5	0.020
	1.0	0.039
	1.3	0.051
	2.0	0.079
	3.5	0.138
	4.5	0.177
	6.0	0.236
	12	0.472
	12.2	0.480
	16.5	0.650
	22.5	0.886

Wiring diagram (Bottom views)

1A 1B 1C

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

