

# NT71 (N4123)



21.7×16×16.5



Features	
<ul style="list-style-type: none"> <li>• Superminiature, low coil power consumption.</li> <li>• Switching capacity up to 20A.</li> <li>• PC board mounting.</li> <li>• Suitable for household electrical appliances, automation system, instrument and meter.</li> </ul>	

Ordering Information	
<b>NT71</b>	<b>C S 10 DC12V 0.36</b>
1	2 3 4 5 6
1 Part number: NT71(4123)	4 Contact current: 3A,5A,6A,7A,10A,12A,15A,20A
2 Contact arrangement: A:1A; B:1B; C:1C	5 Coil rated voltage(V): DC:3,6,9,12,18,24,48
3 Enclosure: S:Sealed type; NIL:Dust cover	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	AgCdO AgSnO <sub>2</sub>
Contact Rating (resistive)	5A,10A,15A,20A/120VAC;3A,6A,12A/28VDC,250VAC; 7A/277VAC ; Motor load: 1/4 HP 120VAC
Max. Switching Power	420W 1800VA
Max. Switching Voltage	110VDC 380VAC Max. Switching Current:20A
Contact Resistance or Voltage drop	<50mΩ Item 4.12 of IEC 61810-7
Operational life	Electrical 10 <sup>5</sup> Item 4.30 of IEC 61810-7
	Mechanical 10 <sup>7</sup> 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) (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	0.45	<10	<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			
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

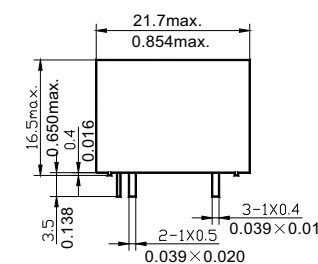
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC 61810-5
Between contact and coil	50Hz 1500V	Item 6 of IEC 61810-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~50Hz amplitude 0.35mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3Test Ca
Mass	11g	

### Safety approvals

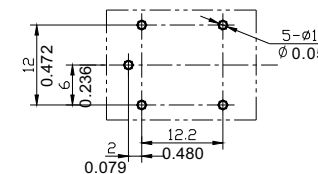
Safety approval	UL&CUR	CQC
Load	20A/120VAC,12A/28VDC 12A/240VAC,7A/277VAC,1/4HP 120VAC; NO:10A/125VAC,10A/12VDC,1/2HP 120VAC	6A/250VAC

### Dimensions

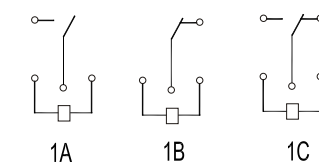
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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

### Reference Data

