


T71 (4123)



22.5×16.5×16.5

 E158859

 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.

Contact Data

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

Coil Parameter

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.							
3	3.9	25	20	2.25	0.3	0.36/0.45	≤10	≤5
6	7.8	100	80	4.50	0.6			
9	11.7	225	180	6.75	0.9			
12	15.6	400	320	9.00	1.2			
18	23.4	900	720	13.5	1.8			
24	31.2	1600	1280	18.0	2.4			
48	62.4	6400	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 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 method 1
Vibration resistance	10~50Hz amplitude 0.35mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃	
Relative Humidity	85% (at 40℃)	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.

Ordering Information			
NT71	A	S	5 DC12V 0.36
			Coil power consumption: 0.36: 0.36W, 0.45: 0.45W
			Coil rated DC Voltage 3V, 6V, 9V, 12V, 18V, 24V, 48V
			Contact current 5A, 7A, 10A, 15A
			S: Sealed type, NIL: Dust Cover
			Contact Arrangement: A: 1A, B: 1B, C: 1C
			Part number: NT71(4123)

Dimensions (Unit: mm)			
		mm	inch
		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	
Mounting (Bottom views)			
	Dimensions		
	1A	1B	1C
	Wiring diagram (Bottom views)		

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

