


NT10

c  us E158859

Features

- Small size, light weight and low coil power consumption.
- PC board mounting is available.
- Suitable for home appliance application , automatic system , electronic equipment , instruments ,communication device, remote control device and so on.

Ordering Information

NT10 - A - S - 12 - N
 1 2 3 4

1 Part number: NT10	5 Contact Material: Nil:AgSO ₂ ; N:AgNi
2 Contact arrangement: A:1A	
3 Enclosure: S:Sealed type;Z:Dust cover	
4 Coil rated voltage(V):DC:5,12,18,24	

Contact Data

Contact Arrangement	1A (SPSTNO)		
Contact Material	AgNi AgSO ₂		
Contact Rating (resistive)	5A/250VAC,5A/30VDC		
Max. Switching Power	150W 1250VA		
Max. Switching Voltage	30VDC 250VAC	Max. Switching Current:5A	
Contact Resistance or Voltage drop	<100mΩ	Item 4.12 of IEC 61810-7	
Operational life	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	5 × 10 ⁶	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)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
005-200	5	6	125	3.75	0.5	0.2	<10	<10
012-200	12	14.4	720	9	1.2			
018-200	18	21.6	1620	13.5	1.8			
024-200	24	28.8	2880	18	2.4			

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	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 750V 50Hz 4000V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Impulse withstand voltage (Between contact and coil)	10kV (1.2/50 μs)	
Shock resistance	Functional:100m/s ²	IEC 68-2-27 Test Ea
	Destructive:1000m/s ²	
Vibration resistance	Functional:10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
	Destructive:10Hz~55Hz double amplitude 1.5mm	
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	260°C ± 5°C 5s ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40°C~85°C	
Relative Humidity	5%~85% (at 40°C)	IEC 68-2-3 Test Ca
Mass	Approx.4g	

Safety approvals

Safety approval	UL
Load	5A/250VAC,30VDC

Dimensions	mm
<p style="text-align: center;">Mounting (Bottom view)</p>	
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<p style="text-align: center;">Wiring diagram (Bottom view)</p>	
<p>NOTES 1).Dimensions are in millimeters. 2).Inch equivalents are given for general information only.</p>	