

N41 00 (41 00F) & N41 00F-2 (N41 00F)



15.5×11×11.5

 E158859

Patent No.: 95 2 11073.3

Features

- Low coil power consumption.
- High sensitivity.
- Small size, light weight.
- PC board mounting.
- Suitable for automation facilities, telecommunication equipment, household electrical appliance, wireless radio remote control, sound control toys application etc.

Contact Data

Contact Arrangement	1A, 1B, 1C	
Contact Material	Ag AgNi Ag-CdO	
Contact Rating (resistive)	1A,3A,5A/125VAC; 1A,2A,3A/30VDC ;5A/14VDC,30VDC	
Max. Switching Power	90W 625VA	
Max. Switching Voltage	60VDC 220VAC	Max. Switching Current: 5A
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	3.3	45/25/20	2.25	0.3	0.2/0.36/0.45	≤5	≤5
5	5.5	125/75/56	3.75	0.5			
6	6.6	180/100/80	4.50	0.6			
9	9.9	405/225/180	6.75	0.9			
12	13.2	720/400/320	9.00	1.2			
24	26.5	2880/1600/1280	18.0	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	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 500V	Item 6 of IEC255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-25~70℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	3.5g	

Qualification inspection:

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

Ordering Information	
N4100 HS 3 DC12V	
	Coil rated DC Voltage 3V, 5V, 6V, 9V, 12V, 24V
	Contact Current NIL: 1A; 3 :3A; 5: 5A
	S: Sealed type, NIL: Dust Covered
	Coil power consumption: NIL: 0.36W(Standard), B: 0.45W(Heavy load);H: 0.2W(High sensitivity)
	Part number: N4100F-2:Single button

Dimensions (Unit: mm)		
<p>Dimensions</p> <p>Wiring diagram (Bottom views)</p>	mm	inch
	0.3	0.012
	0.6	0.024
	1.0	0.039
	1.4	0.055
	2.54	0.100
	3.0	0.118
	3.6	0.142
	7.62	0.300
	10.16	0.400
11	0.433	
11.5	0.453	
15.5	0.610	

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

