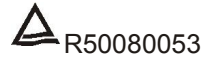


N4100 (N4100F)& N4100F-2



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.

Ordering Information

N4100 C H S 3 DC12V A C
 1 2 3 4 5 6 7 8

1 Part number: N4100(N4100F); N4100F-2
 2 Contact arrangement: A:1A; B:1B; C:1C
 3 Coil power consumption: NIL:0.36W (Standard);
 B:0.45W (Heavy load); H:0.2W (High sensitivity)

4 Enclosure ; S: Sealed type ; NIL: Dust cover
 5 Contact current ; NIL:1A; 2:2A; 3:3A ;5:5A
 6 Coil rated voltage(V) ; DC:3,5,6,9,12,18,24
 7 Contact material ; NIL; AgNi; A:Ag
 8 Bobbin configuration:NIL:Standard ;C:combined bobbin

Contact Data

Contact Arrangement	1A (SPSTNO) (1B SPS)1NC1Q SPDT(B-M)		
Contact Material	Ag (Au gold) AgNi(Au gold)		
Contact Rating (resistive)	1A,2A,3A,5A/30VDC,125VAC ;5A/14VDC 2A/250VAC(N4100F-2 only)		
Max. Switching Power	150W 625VA		
Max. Switching Voltage	60VDC 220VAC	Max. Switching Current: 5A	
Contact Resistance or Voltage drop	≤50mΩ	Item 4 .12 of IEC 61810-7	
Operational life	Electrical	10 ⁵	Item 4 .30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.

2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

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						
003-200	3	3.3	45	2.25	0.3	0.2	< 5	< 5
005-200	5	5.5	125	3.75	0.5			
006-200	6	6.6	180	4.50	0.6			
009-200	9	9.9	405	6.75	0.9			
012-200	12	13.2	720	9.00	1.2			
018-200	18	19.8	1620	13.5	1.8			
024-200	24	26.5	2880	18.0	2.4			
003-360	3	3.3	25	2.25	0.3	0.36	< 5	< 5
005-360	5	5.5	75	3.75	0.5			
006-360	6	6.6	100	4.50	0.6			
009-360	9	9.9	225	6.75	0.9			
012-360	12	13.2	400	9.00	1.2			
018-360	18	19.8	900	13.5	1.8			
024-360	24	26.5	1600	18.0	2.4			
003-450	3	3.3	20	2.25	0.3	0.45	< 5	< 5
005-450	5	5.5	56	3.75	0.5			
006-450	6	6.6	80	4.50	0.6			
009-450	9	9.9	180	6.75	0.9			
012-450	12	13.2	320	9.00	1.2			
018-450	18	19.8	720	13.5	1.8			
024-450	24	26.5	1280	18.0	2.4			

N4100 (N4100F) & N4100F-2

Operation condition

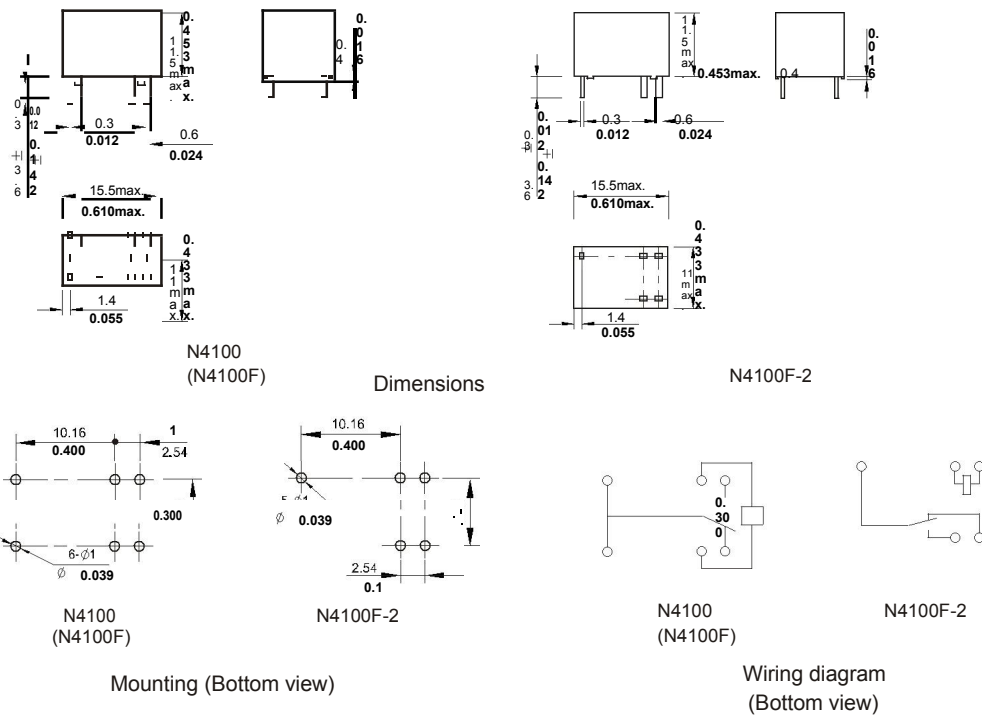
Insulation Resistance	100M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 1000V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	100m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3s 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-25 $^{\circ}$ C ~70 $^{\circ}$ C	
Relative Humidity	85% (at 40 $^{\circ}$ C)	IEC 68-2-3 Test Ca
Mass	3.5g	

Safety approvals

Safety approval	UL&CUR	TUV
Load	5A/125VAC 5A/30VDC 5A/14VDC	N4100F-2: 2A/250VAC 5A/30VDC

Dimensions

mm/inch



NOTES 1).Dimensions are in millimeters.

2).Inch equivalents are given for general information only.

Reference Data

