15.7×11×11.5

N4100 (N4100F) & N4100F-2

c UL us E158859 R50080053

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	DC12	A	C
1	2	3	4	5	6	7	8

1 Part number: N4100(N4100F); N4100F-2
2 Contact arrangement: A:1A; C:1C
3 Coil power: NIL:0.36W(Standard);
B:0.45W(Heavy load); H:0.2W(High sensitivity)
4 Enclosure: S: Wash tight; NIL: Flux proof
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: C:Combined bobbin

Contact Data

Contact Arrangement	1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material	Ag Alloy(Au plated)	
Contact Rating	1A,2A,3A,5A/125VAC,30VDC ;5A/14VDC; 2A/250VAC(N4100F-2 only)	
Max. Switching Power	150W 625VA	
Max. Switching Voltage	30VDC 250VAC	Max. Switching Current: 5A
Contact Resistance	≤50mΩ	Item4 .12 of IEC 61810-7
Electrical Endurance	1×10^5 85℃	Item 4 .30 of IEC 61810-7
Mechanical Endurance	1×10^7	Item 4.31 of IEC 61810-7

Notes: 1.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%	Pick-up voltage VDC(max) (75%of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power 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			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

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Characteristics

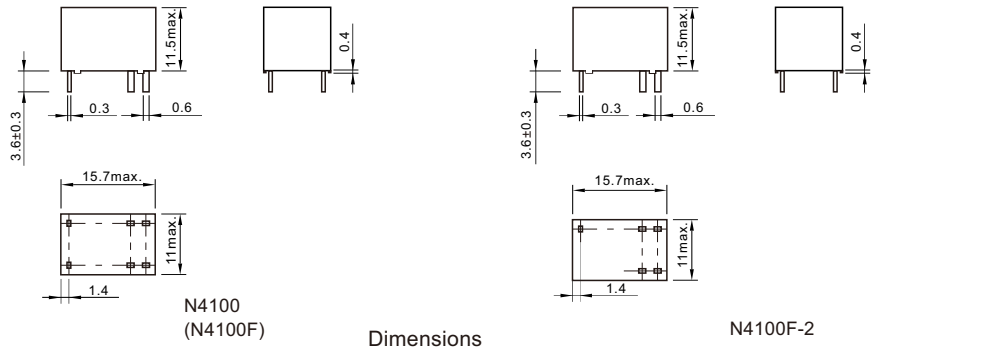
Insulation Resistance	100MΩmin (at 500V)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	 500VAC 1min 1000VAC 1min	 Item 4.9 of IEC 61810-7
Shock Resistance	98m/s^2 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-25℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	3.8g	Item 4.7 of IEC 61810-7

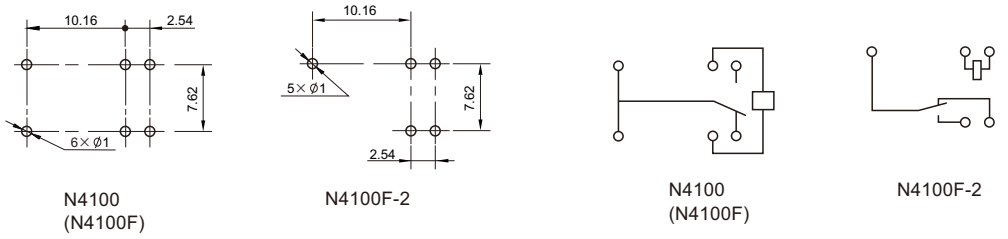
Safety Approvals

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

Dimensions

mm





Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

Reference Data