

# N4100 (N4100F) & N4100F-2

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Patent No.: 95 2 11073.3 200520014568.5

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## Features

Low coil power consumption.

15.5×11×11.5

- · 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.

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#### **Contact Data**

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Contact Arrangement		1A (SPSTNO)	1B (SPSTNC) 1C (SPDT(B-M))
Contact Material		Ag (Au gold) AgNi(Au gold)	
Contact Rating (resistive)		1A,2A,3A,5A/30VDC,125VAC ;5A/14VDC	
Max. Switching Power		150W 625VA	
Max. Switching Voltage		60VDC 220VAC	Max. Switching Current: 5A
Contact Resistance or Voltage drop		≤ <b>50m</b> Ω	Item4 .12 of IEC 61810-7
Operational	Electrical	10 <sup>5</sup>	Item 4.30 of IEC 61810-7
life	Mechanical	10 <sup>7</sup>	Item 4.31 of IEC 61810-7

#### **Coil Parameter**

Dash numbers	Coil voltage VDC		Coil	Pickup voltage	Release voltage	Coil power	Operate	Release
	Rated	Max	resistance $\Omega \pm 10\%$	VDC(max) (75%of rated voltage)	VDC(min) (10% of rated voltage)	consumption W	Time ms	Time ms
003-200 005-200 006-200 009-200 012-200 024-200	3 5 6 9 12 24	3.3 5.5 6.6 9.9 13.2 26.5	45 125 180 405 720 2880	2.25 3.75 4.50 6.75 9.00 18.0	0.3 0.5 0.6 0.9 1.2 2.4	0.2	≪5	≪5
003-360 005-360 006-360 009-360 012-360 024-360	3 5 6 9 12 24	3.3 5.5 6.6 9.9 13.2 26.5	25 75 100 225 400 1600	2.25 3.75 4.50 6.75 9.00 18.0	0.3 0.5 0.6 0.9 1.2 2.4	0.36	<b>≪</b> 5	≪5
003-450 005-450 006-450 009-450 012-450 024-450	3 5 6 9 12 24	3.3 5.5 6.6 9.9 13.2 26.5	20 56 80 180 320 1280	2.25 3.75 4.50 6.75 9.00 18.0	0.3 0.5 0.6 0.9 1.2 2.4	0.45	≪5	≪5

**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

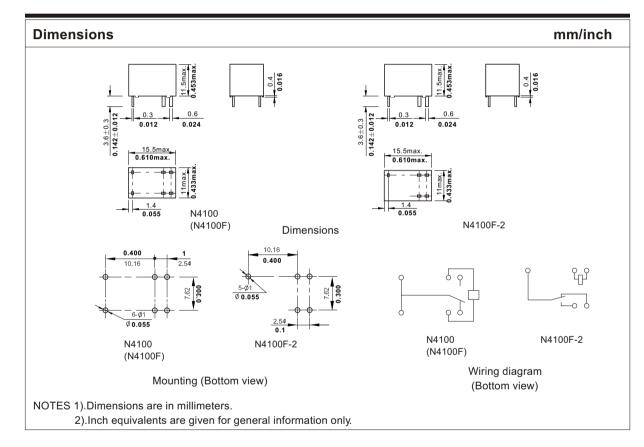
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

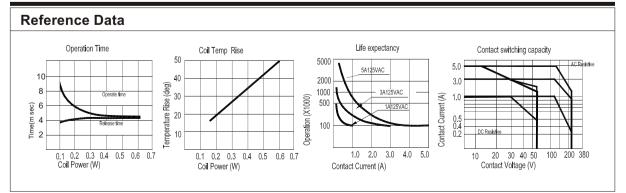
### **Operation condition**

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Insulation Resistance	100M Ω min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC 61810-5
Between contact and coil	50Hz 1000V	Item 6 of IEC 61810-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235℃ ±2℃ 3±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	

### Safety approvals

Safety approval	UL&CUR	TÜV
Load	5A/125VAC 5A/30VDC 5A/14VDC	2A/250VAC 5A/30VDC





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