N G 5 N



20.5×7.2×15.3

Features

- Small size, light weight.
- Switching capacity up to 5A.
- Low coil power consumption 0.2W.
- Suitable for household electrical appliance, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.

Ordering Information

NG5N A DC12V
1 2 3

1 Part number：NG5N
2 Contact Arrangement：A:1A
3 Coil rated Voltage(V)：DC:3,5,6,9,12,18,24

Contact Data

Contact Arrangement		1A（SPSTNO）	
Contact Material		Silver Alloy	
Contact Rating (resistive)		5A/30VDC,250VAC	
Max. Switching Power		150W 1250VA	min Switching load:10mA/5V
Max. Switching Voltage		30VDC 250VAC	Max. Switching Current:5A
Contact Resistance or Voltage drop		⩽100mΩ	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

CAUTION:

Relays previously tested or used above 10mA resistive at 6VDC maximum or peak AC open circuit are not recommended for subsequent use in low level applications.

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	3.9	45	2.25	0.3			
005-200	5	6.5	125	3.75	0.5			
006-200	6	7.8	180	4.50	0.6			
009-200	9	11.7	405	6.75	0.9	0.2	⩽10	⩽4
012-200	12	15.6	720	9.00	1.2			
018-200	18	23.4	1620	13.5	1.8			
024-200	24	31.2	2880	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.

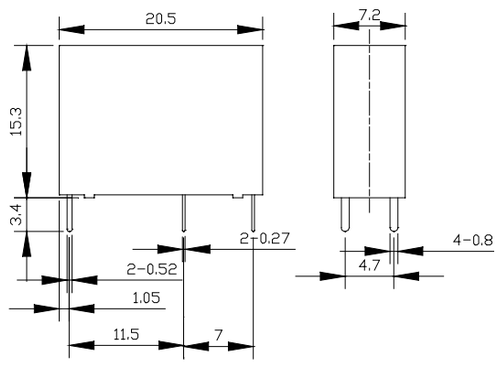
Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC255-5
Between contact and coil	50Hz 4000V surge voltage:7kV	Item 6 and 8 of IEC255-5
Shock resistance	Functional:100m/s² 11ms Survival:1000m/s² 6ms	IEC68-2-27 Test Ea
Vibration resistance	10~50Hz Functional & Survival 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	-30~70℃	
Relative Humidity	20%~85% (at 40℃)	IEC68-2-3Test Ca
Mass	4g	

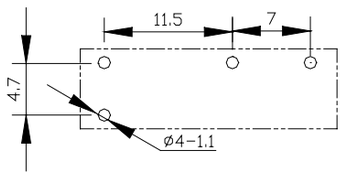
Qualification inspection:

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

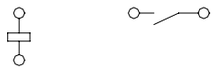
Dimensions (Unit: mm)



Dimensions



Mounting (Bottom views)



Wiring diagram
(Bottom views)

mm	inch
0.27	0.011
0.52	0.020
0.8	0.031
1.05	0.041
1.1	0.043
1.2	0.047
3.4	0.134
4.7	0.185
7	0.275
7.2	0.283
11.5	0.453
15.3	0.602
20.5	0.807

NOTES 1).Dimensions are in millimeter.

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