



14.3×7.5×13.8

NG8N

Patent No.:03255320.X
200520012716.X

Features	
<ul style="list-style-type: none"> Small size, light weight. Low coil consumption. Switching capacity up to 25A motor lock load High performance PCB relay Suitable for household electrical appliance, automation system 	

Ordering Information	
NG8N 1S C DC12V 0.80 1 2 3 4 5	
1 Part number: NG8N 2 Sensitivity: 1:Standard; 1S:High sensitivity 1L:High temperature; 1H:High temperature/High sensitivity	3 Contact arrangement: C:1C 4 Coil rated voltage(V): DC:12 5 Coil power consumption: 0.64:0.64W; 0.80:0.80W

Contact Data	
Contact Arrangement	1C (SPDT(B-M))
Contact Material	AgSnO ₂
Contact Current	25A motor lock (14VDC)
Max. Switching Power	480W
Max. Switching Voltage	16VDC
Contact Resistance or Voltage drop	≤ 250mV (at 10A) Item 4.12 of IEC 61810-7
Operation life	Electrical 10 ⁶ Item 4.30 of IEC 61810-7
	Mechanical 10 ⁶ Item 4.31 of IEC 61810-7

Coil Parameter								
Model	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max)	Release voltage VDC(min) (8.3% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
1	12	16	225	7.2	1.0	0.64		
1S	12	16	180	6.5	1.0	0.80	<10	<5
1L	12	16	225	7.2	1.0	0.64		
IH	12	16	180	6.5	1.0	0.80		

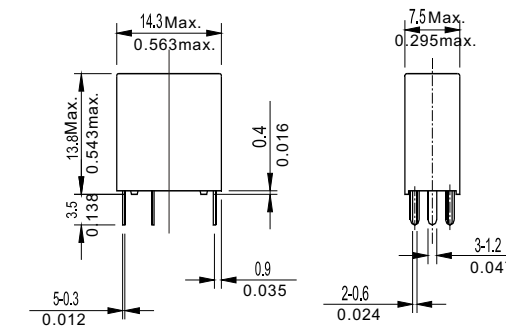
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

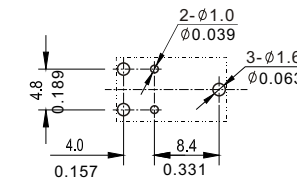
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength	Between contacts	50Hz 500V
	Between contact and coil	50Hz 1000V
Item 6 of IEC 61810-5		Item 6 of IEC 61810-5
Shock resistance	98m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10Hz~500Hz Acceleration: 43.1m/s ²	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3 Test Ca
Mass	4.1g	

Dimensions

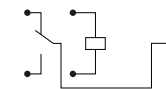
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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