

NINGBO HUAGUAN ELECTRONICS CO.,LTD.





























NHG RELAYS NG8ND





NG8ND

 $14.5 \times 14.1 \times 14.0$

Features

- Compact size.
- DPDP(B-M) contacts with internal H-bridge.
- Switching capacity up to 25A motor lock load.
- High performance PCB relay.
- Suitable for household electrical appliances, automation system.

Ordering Information				
NG8ND 2S C DC1	V 0.80			
1 2 3 4	5			
1 Part number: NG8ND 2 Sensitivity: 2:Standard;		3 Contact arrangement: C:2×1C (H-Bridge) 4 Coil rated voltage(V): DC:12		
2S:High sensitivity 2L:High temperature (2H:High temperature/I		5 Coil power consumption: 0.64:0.64W; 0.80:0.80W		

Contact Data

Contact Arrangement		2×1C (DPDT(B-M)) (H-Bridge)		
Contact Material		AgSnO ₂		
Contact Current		25A motor lock (14VDC)		
Max. Switching Power		480W		
Max. Switching Voltage		16VDC	Max. Switching Current:30A	
Contact Resistance or Voltage drop		≤ 250mV (at 10A)	Item 3.12 of IEC255-7	
Operation life	Electrical	10⁵	Item 3.30 of IEC255-7	
	Mechanical	10 ⁶	Item 3.31 of IEC255-7	

Coil Parameter

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Model		oltage DC	Coil resistance $\Omega\pm10\%$		Release Pickup voltage voltage VDC(min)	voltage VDC(min)	Coil power consumption	Operate Time	Release Time
	Rated	Max.	S2 <u>1</u> 10 70	VDC(max)	(8.3% of rated voltage)	W	ms	ms	
2	12	16	225	7.2	1.0	0.64			
28	12	16	180	6.5	1.0	0.80	≪10	≤ 5	
2L	12	16	225	7.2	1.0	0.64	*.0	~~	
2H	12	16	180	6.5	1.0	0.80			

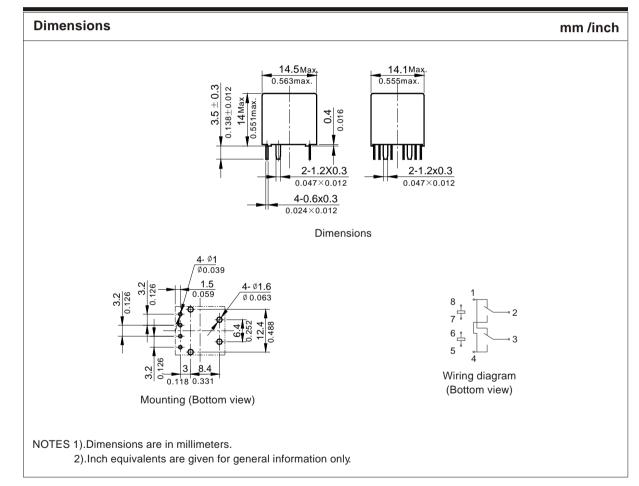
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	Function 100m/s ² 11ms Survival 1000m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10Hz~500Hz Function&Survival Acceleration:45m/s²	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	-40~105℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	7.5g	

Qualification inspection:

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



Ningbo Huaguan Relay Corporation LTD.