

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.



NG8ND



14.5×14.1×14.0

Features	
<ul style="list-style-type: none"> • 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 DC12V 0.80 1 2 3 4 5	
1 Part number: NG8ND 2 Sensitivity: 2:Standard; 2S:High sensitivity 2L:High temperature (105°C) 2H:High temperature/High sensitivity	3 Contact arrangement: C:2×1C (H-Bridge) 4 Coil rated voltage(V): DC:12 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 10 ⁶ Item 3.30 of IEC255-7
	Mechanical 10 ⁶ Item 3.31 of IEC255-7

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.						
2	12	16	225	7.2	1.0	0.64		
2S	12	16	180	6.5	1.0	0.80	<10	<5
2L	12	16	225	7.2	1.0	0.64		
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	50Hz 500V
	Between contact and coil	50Hz 500V
Shock resistance	Function	100m/s ² 11ms
	Survival	1000m/s ² 11ms
Vibration resistance	10Hz~500Hz Function&Survival Acceleration:45m/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	7.5g	

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

Dimensions		mm /inch
<p>The technical drawings include: <ul style="list-style-type: none"> Top view dimensions: 14.5Max, 0.563max, 14.1Max, 0.555max, 3.5 ± 0.3, 0.138 ± 0.012, 14Max, 0.551max, 0.4, 0.016, 2-1.2X0.3, 0.047×0.012, 4-0.6x0.3, 0.024×0.012. Mounting (Bottom view) dimensions: 4-∅1, ∅0.039, 1.5, 0.059, 4-∅1.6, ∅0.063, 3.2, 0.126, 3.2, 0.126, 6.4, 0.252, 12.4, 0.488, 3.2, 0.126, 0.118, 0.331. Wiring diagram (Bottom view) showing terminals 1-8 and their internal connections. </p>		
NOTES 1).Dimensions are in millimeters. 2).Inch equivalents are given for general information only.		