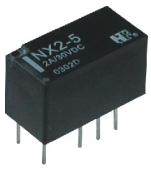
DB LECTRO INC

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO.,LTD.

NHG

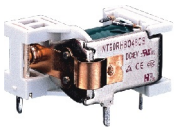












DB LECTRO Inc. 3755 Place Java, Suite 140, Brossard, Québec, J4Y 0E4, Canada - T: 1-450-444-1424 / F: 1-450-444-4714 / www.dblectro.com



37×16.5×17.1

NV2R

RoHS

Patent No.: 95221385.0

Features

- Small size, light weight.
- Withstands high temperature, operating under 105℃ ambient temperature.
- Heavy contact load switching current up to 10A.

Ordering Information

NV2R S DC12V 0.64
1 2 3 4

1 Part number: NV2R
2 Enclosure: S: Sealed type; Z: Dust cover

3 Coil rated voltage(V): DC: 12
4 Coil power consumption: 0.64:0.64W; 0.93:0.93W

Contact Data

Contact Arrangement		2×1C (2×SPDT(B-M)) (H-Bridge)	
Contact Material		$AgSnO_2$ $AgSnO_2In_2O_3$	
Contact Rating (resistive)		10A/14VDC	
Max. Switching Power		140 W	
Max. Switching Voltage		24VDC	Max. Switching Current:10A
Contact Resistance or Voltage drop		⩽50mΩ	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

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max)	Release voltage VDC(min)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-640	12	14.4	225	6.8	1.2	0.64	⩽10	⩽5
012-930	12	14.4	155	6.0	0.9	0.93		

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

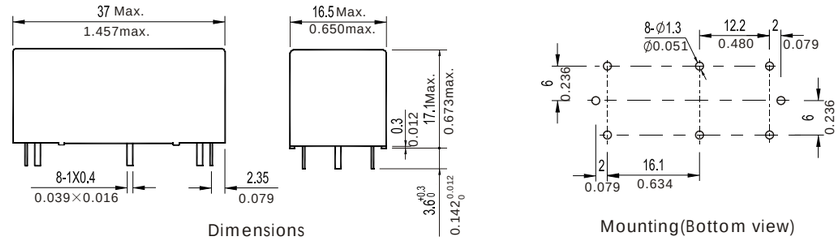
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 1000V 50Hz 1000V	 Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	100m/s² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
Terminals strength	10N	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 20℃)	IEC68-2-3Test Ca
Mass	25g	

Qualification inspection:

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

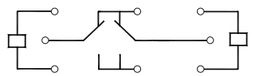
Dimensions

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.

Reference Data

