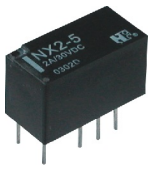
DB LECTRO INC

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NHG

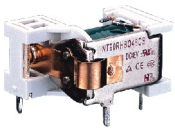






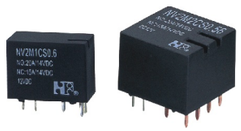






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NV2M



18.2×17.4(9.2)×13.8
(Q Type)22.8×22.3×20.4

RoHS

Patent No.: 01330295.7 02312129.7

Features

- Small size, light weight.
- Low coil power consumption.
- Switching capacity up to 20A.
- PC board mounting.
- Suitable for automobile, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.

Ordering Information

NV2M	Q	2C	Z	DC12V	0.6
1	2	3	4	5	6

1 Part number：NV2M,
2 Noise：NIL: Standard;Q: Quiet
3 Contact arrangement:2A:2A；2C:2C
1C:1C;1A:1A

4 Enclosure：S: Sealed type；Z: Dust cover
5 Coil rated voltage(V)：DC:12
6 Coil power consumption：0.56:0.56W；0.6:0.6W；0.8: 0.8W

Contact Data

Contact Arrangement		2A（DPSTNO）, 2C（DPDT(B-M)）; NV2M 1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material		$AgSnO_2$	
Contact Rating (resistive)		NO:20A/14VDC NC:15A/14VDC	
Max. Switching Power		280W	
Max. Switching Voltage		40VDC	Max. Switching Current:20A
Contact Resistance or Voltage drop		⩽30mΩ (or 30mV at 10A max make time 15s)	Item 3.12 of IEC255-7
Operation life	Electrical	2×10^5	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%	Pick up voltage VDC(max) (58%of rated voltage)	Release voltage VDC(min) (9% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-800	12	18	180	6.9	1	0.8	⩽3	⩽1.2
012-600	12	18	240	6.9	1	0.6	⩽3	⩽1.2
012-560	12	18	260	6.9	1	0.56	⩽3	⩽1.2

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.
3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

Sound Pre. Characteristics (Q type):

Operation noise： <50db
Coil voltage :12VDC

Operation condition

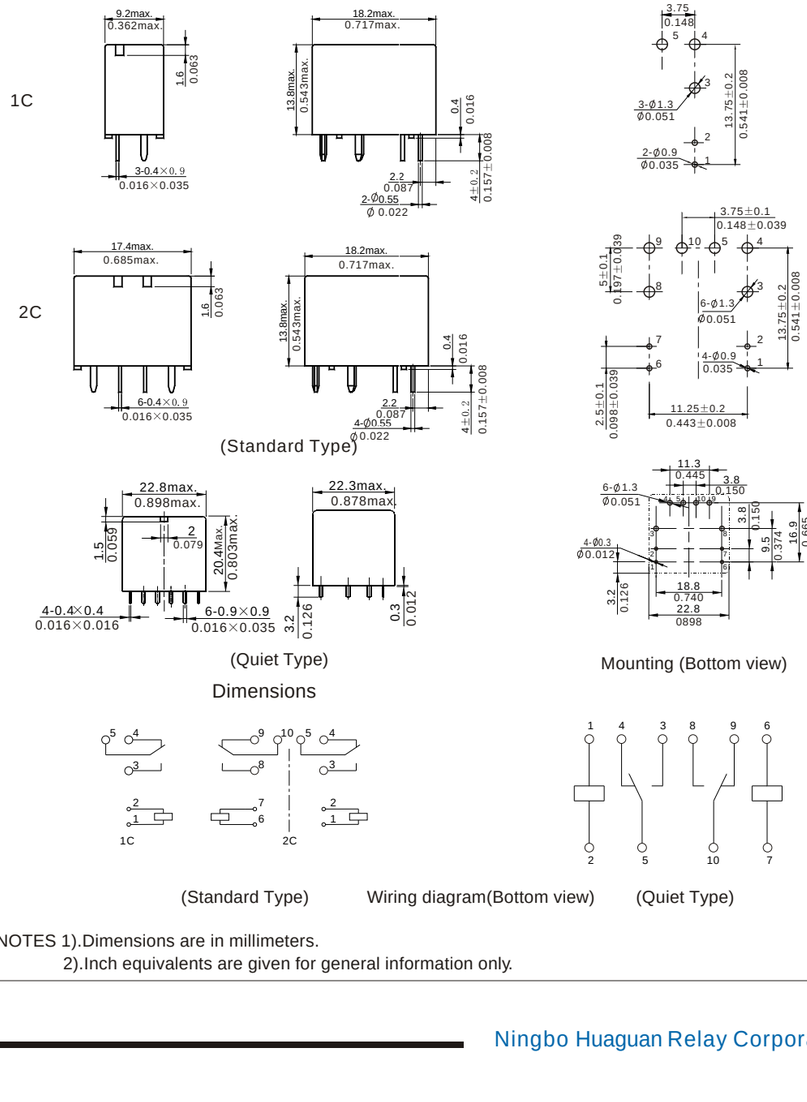
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 500V 50Hz 500V	 Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	Functional：300m/s² Survival：450 m/s²	IEC68-2-27 Test Ea
Vibration resistance[2]	10~100Hz 100 m/s² Double 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	-40~85℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	15g(Q type); 10g ;5g(1C)	

Qualification inspection:

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

Dimensions

mm /inch



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