



NV2M

18.2×17.4×13.8 (2A,2C) 18.0×9.5×13.6 (1A,1C)
Q Type: 22.8×22.3×20.4

Patent No. 01330295.7 023121297

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 1C Z DC12V 0.6
1 2 3 4 5 6

1 Part number: NV2M

2 NIL:Standard;Q:Quiet type

3 Contact arrangement: 1A:1A;1C:1C
2A:2A; 2C:2C

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	1A (SPSTNO) , 1C (SPDT(B-M)) 2A (DPSTNO) , 2C (DPDT(B-M))									
Contact Material	Ag-SnO ₂									
Contact Rating (resistive)	NO:20A/14VDC NC:15A/14VDC									
Max. Switching Power	280W									
Max. Switching Voltage	40VDC									
Contact Resistance or Voltage drop	≤30mΩ (or 30mV at 10A max make time 15s)									
Operation life	<table border="0"> <tr> <td>Electrical</td> <td>2 × 10⁵</td> <td>Item 3.12 of IEC255-7</td> </tr> <tr> <td>Mechanical</td> <td>10⁷</td> <td>Item 3.30 of IEC255-7</td> </tr> <tr> <td></td> <td></td> <td>Item 3.31 of IEC255-7</td> </tr> </table>	Electrical	2 × 10 ⁵	Item 3.12 of IEC255-7	Mechanical	10 ⁷	Item 3.30 of IEC255-7			Item 3.31 of IEC255-7
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Mechanical	10 ⁷	Item 3.30 of IEC255-7								
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Max. Switching Current:20A

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω±10%	Pickup 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.

Sound Pre. Characteristics (Q type):

Operation noise: <50db

Coil voltage :12VDC

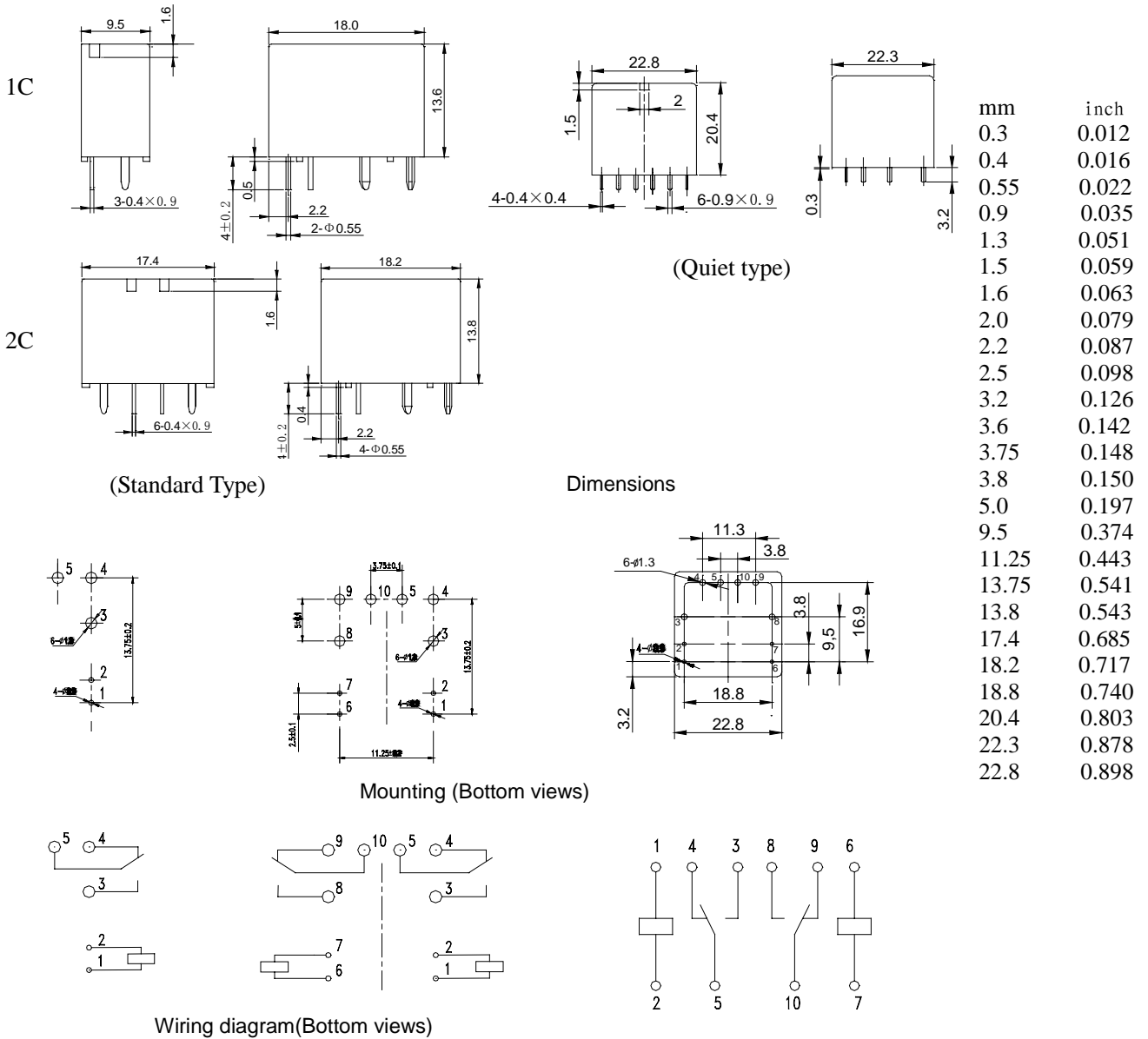
Operation condition

Insulation Resistance	100M Ω min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 500V	Item 6 of IEC255-5
Shock resistance	Functional: 300m/s ² Survival: 450 m/s ²	IEC68-2-27 Test Ea
Vibration resistance	10~100Hz 100 m/s ² Double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3 \pm 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85 $^{\circ}$ C	
Relative Humidity	85% (at 40 $^{\circ}$ C)	IEC68-2-3 Test Ca
Mass	5g	

Qualification inspection:

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

Dimensions (Unit: mm)



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