

NV2M

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

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 coilparameter 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

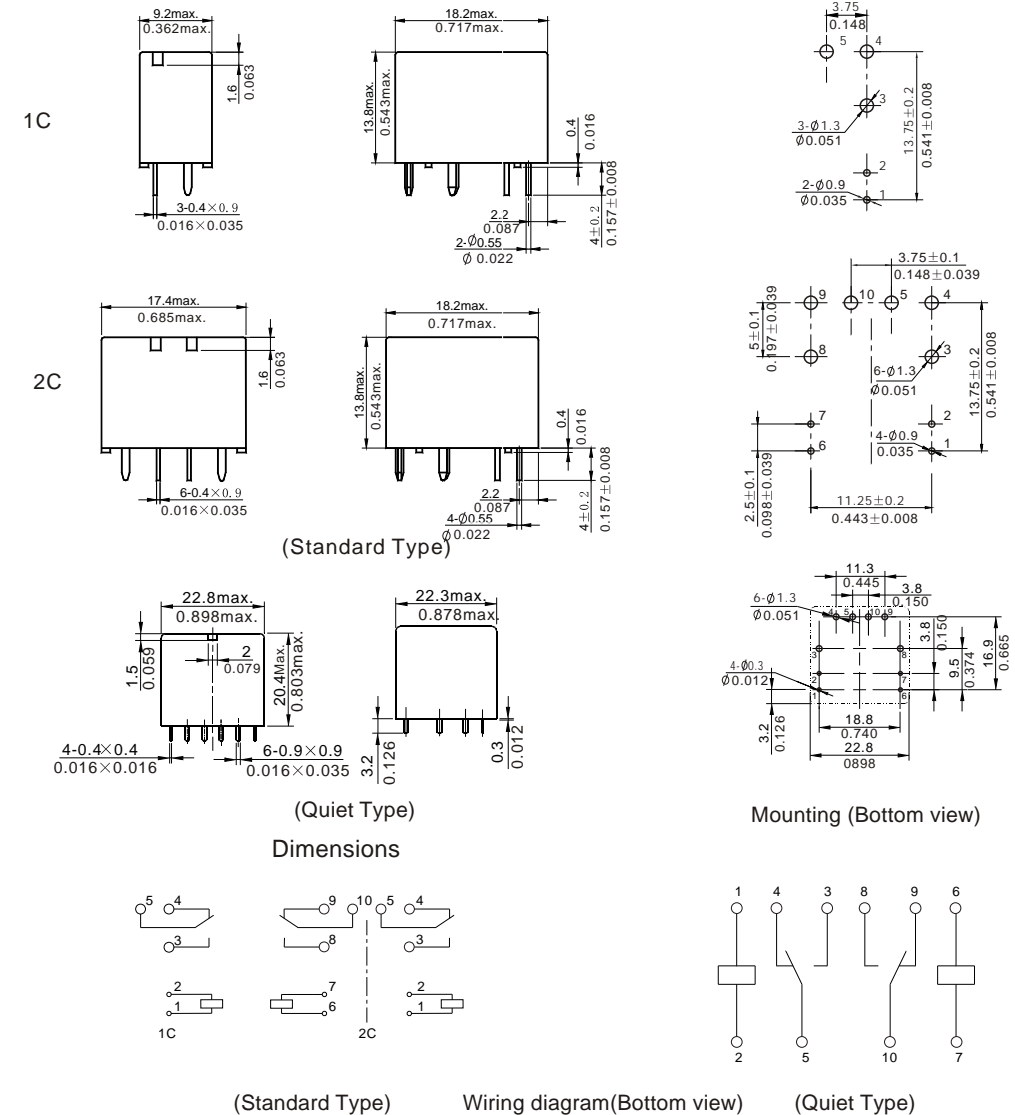
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC255-5
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	Functional: 300m/s ² Survival: 450 m/s ²	IEC68-2-27 Test Ea
Vibration resistance ²	10~100Hz 100 m/s ² Double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235℃ ± 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.