



# S2M2C

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

### 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

**S2M2C** **Q** **2C** **Z** **DC12V**  
1 2 3 4 5

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

### Contact Data

Contact Arrangement	2A (DPSTNO) , 2C (DPDT(B-M)) ; 1A(SPSTNO) 1C(SPDT(B-M))		
Contact Material	AgSnO <sub>2</sub> AgNi		
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	<100mΩ (or 30mV at 10A max make time 15s) Item 4.12 of IEC 61810-7		
Operation life	Electrical	2 × 10 <sup>5</sup> Item 4.30 of IEC 61810-7	
	Mechanical	10 <sup>7</sup> Item 4.31 of IEC 61810-7	

### 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) :

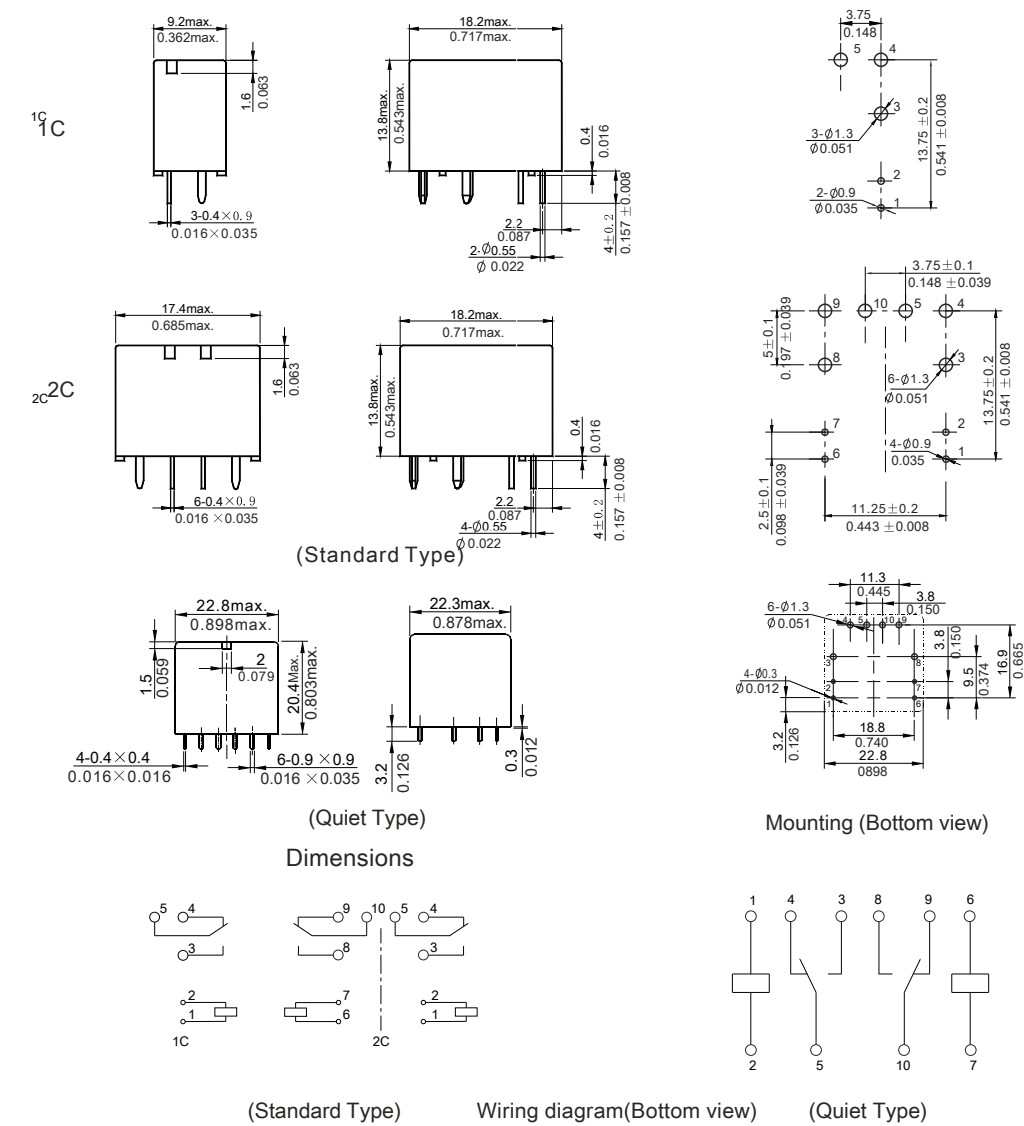
Operation noise : <50db  
Coil voltage :12VDC

### Operation condition

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	Functional : 300m/s <sup>2</sup> Survival : 450 m/s <sup>2</sup>	IEC68-2-27 Test Ea
Vibration resistance <sup>2</sup>	10~100Hz 100 m/s <sup>2</sup> 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)	

### Dimensions

mm /inch



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