

NG8QN & NG8QW



16.0×12.5×14.4

16.0×25.5×14.4

Features

- Small size, light weight.
- Low coil consumption.
- PC board mounting.
- Suitable for household electrical appliances, automobile system, window, wipe motor, hours, doorlock.

Ordering Information

NG8QN **C** **S** **DC12V** **0.69**

1 2 3 4 5

1 Part number: NG8QN NG8QW
 2 Contact arrangement: C:1C;
 (NG8QW)2C:2C(Twin)
 3 Enclosure: S: Wash tight; NIL: Flux proof

4 Coil rated voltage(V): DC:12
 5 Coil power: 0.69:0.69W

Contact Data

| | | | |
|----------------------------|--|----------------------------|--------------------------|
| Contact Arrangement | 1C(SPDT(B-M)) 2C(Twin) | | |
| Contact Material | AgSnO ₂ | | |
| Contact Rating (Resistive) | NO:20A/14VDC; NC:15A/14VDC Inrush current 25A (L/R=7ms; 15ms max) | | |
| Max. Switching Power | 280W | | |
| Max. Switching Voltage | 16VDC | Max. Switching Current:20A | |
| Voltage Drop(Initial) | Typ:50mV(at 10A) | Item 4.12 of IEC 61810-7 | |
| Operation Life | Electrical | 1×10 ⁵ | Item 4.30 of IEC 61810-7 |
| | Mechanical | 1×10 ⁷ | Item 4.31 of IEC 61810-7 |

Coil Parameter

| Dash numbers | Coil voltage VDC | | Coil resistance Ω ± 10% | Pick-up voltage VDC(max) | Drop-out voltage VDC(min) | Coil power W | Operate time ms | Release time ms |
|--------------|------------------|------|-------------------------|--------------------------|---------------------------|--------------|-----------------|-----------------|
| | Rated | Max. | | | | | | |
| 012-690 | 12 | 16 | 210 | 7.3 | 0.9 | 0.69 | ≤10 | ≤5 |
| | | | | 9.0(at 80℃) | | | | |

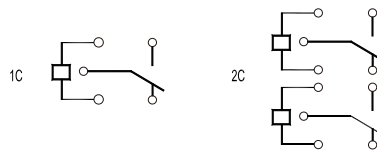
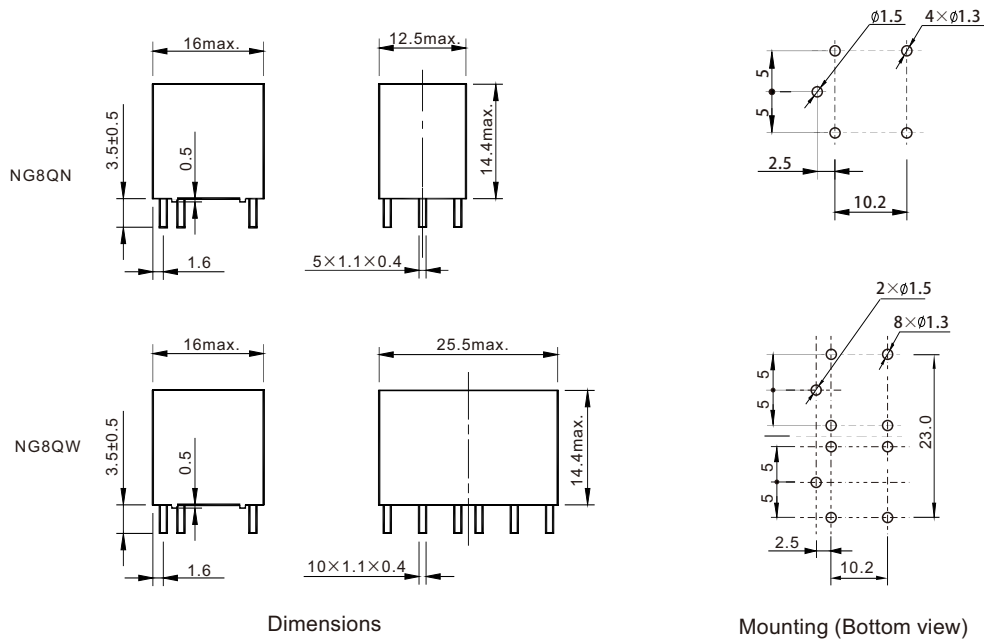
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Characteristics

| | | |
|---|-----------------------------------|--|
| Insulation Resistance | 100M Ω min (at 500VDC) | Item 4.11 of IEC 61810-7 |
| Dielectric Strength Between Contacts Between Contact and Coil | 50Hz 500V 50Hz 500V | Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7 |
| Shock Resistance | 98m/s ² 11ms | Item 4.26 of IEC 61810-7 |
| Vibration Resistance | 10Hz~55Hz Double amplitude 1.5mm | Item 4.28 of IEC 61810-7 |
| Terminals Strength | 5N | Item 4.24 of IEC 61810-7 |
| Ambient Temperature | -40 $^{\circ}$ C~105 $^{\circ}$ C | |
| Relative Humidity | 5% to 85% | Item 4.16 of IEC 61810-7 |
| Mass | 6g (NG8QW:11g) | Item 4.7 of IEC 61810-7 |

Dimensions

mm



Wiring diagram(Bottom view)