

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 10 DC12V 0.69

1 2 3 4 5 6

- | | |
|--|--------------------------------------|
| 1 Part number: NG8QN NG8QW | 4 Contact rating: 10A,20A/14VDC |
| 2 Contact arrangement: C:1C; U:1U;
(NG8QW) 2C:2C,2U:2U | 5 Coil rated voltage(V): DC:12 |
| 3 Enclosure: S: Sealed type; NIL: Dust cover | 6 Coil power consumption: 0.69:0.69W |

Contact Data

Contact Arrangement	1C (SPDT(B-M)) ,1U (SPSTNODM) ,2C (DPDT) ,2U (DPSTNODM)	
Contact Material	AgCdO AgSnO ₂	
Contact Rating (resistive)	10A, 20A/14VDC inrush current 30A (L/R=7mS; 15mS max)	
Max. Switching Power	150W	
Max. Switching Voltage	16VDC	Max. Switching Current:30A
Contact Resistance or Voltage drop	<100mΩ	Item 3.12 of IEC255-7
	250mV(at10A)	Item 3.12 of IEC255-7
Operation life	Electrical	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%	Pickup voltage VDC(max) (61%of rated voltage)	Release voltage VDC(min) (7.5% of rated voltage)	Coil power consumption 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°C)				

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.

Operation condition

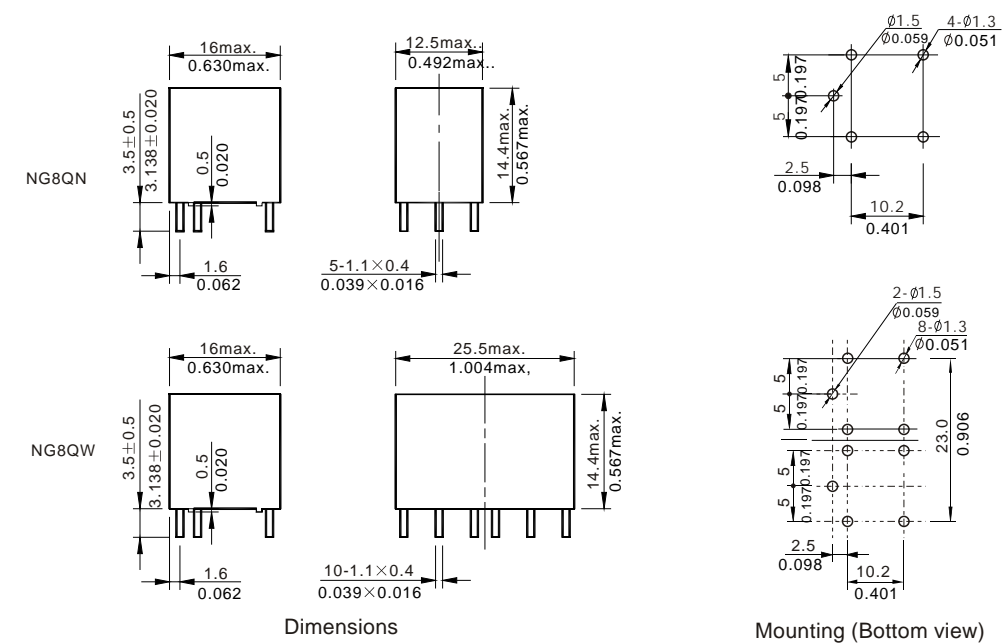
Insulation Resistance	20MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC255-5
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 500V	Item 6 of IEC255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3Test Ca
Mass	5.5g	

Qualification inspection:

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

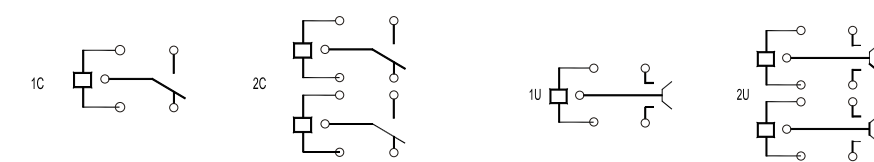
Dimensions

mm /inch



Dimensions

Mounting (Bottom view)



Wiring diagram(Bottom view)

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