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
2 Contact arrangement：C:1C；U:IU；
（NG8QW ）2C:2C,2U:2U
3 Enclosure：S: Sealed type；NIL: Dust cover
4 Contact rating：10A,20A/14VDC
5 Coil rated voltage(V)：DC:12
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 9.0(at 80℃)	0.9	0.69	⩽10	⩽5

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

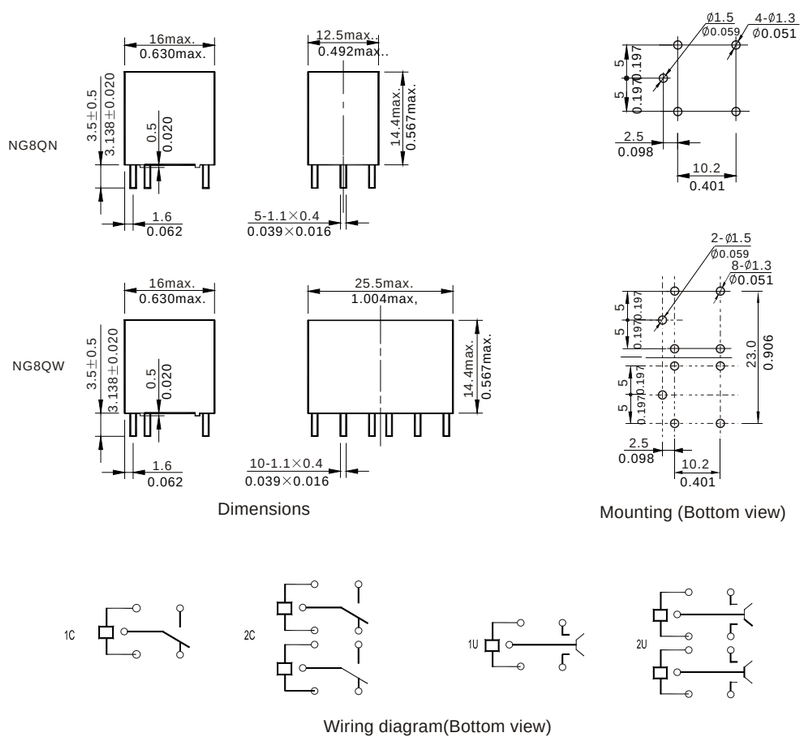
Insulation Resistance	20MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 500V 50Hz 500V	 Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	100m/s^2 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test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