NG8QN&NG8QW

16×12.5×14.4

16×25.5×14.4

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(NG8QN)
2C:2C(NG8QW)(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	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:30A
Voltage Drop(Initial)	Typ.: 50mV(at 10A)	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10^5	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10^7	Item 4.31 of IEC 61810-7

Coil Parameter

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.						
12	16	210	7.3 9.0(at 80℃)	0.9	0.69	≤10	≤5

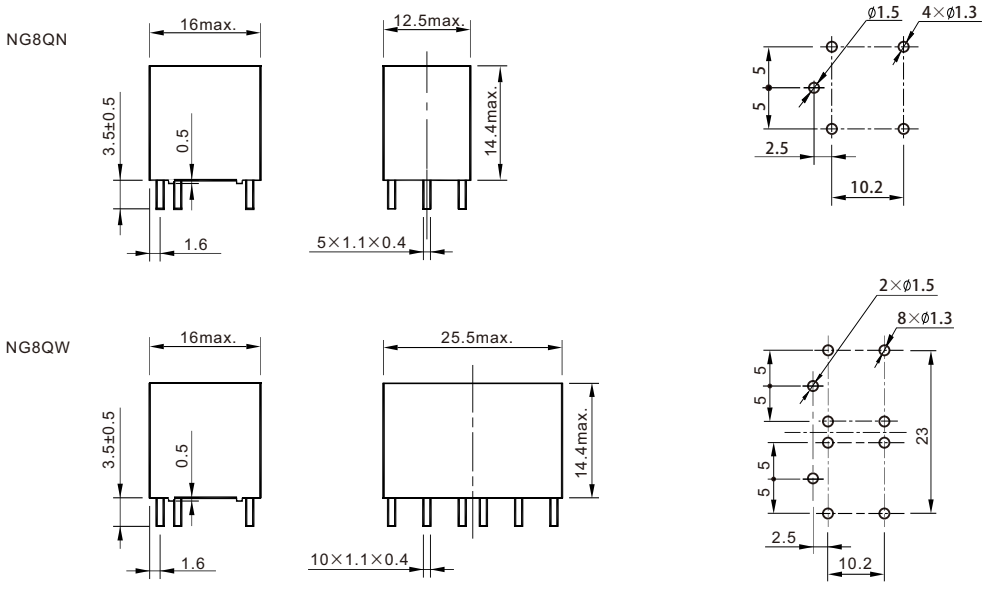
Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	 500VAC 1min 500VAC 1min	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℃~105℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	6g (NG8QN); 11g (NG8QW)	Item 4.7 of IEC 61810-7

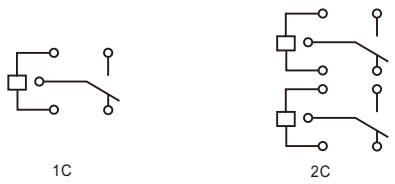
Dimensions

mm



Dimensions

Mounting (Bottom view)



Wiring diagram(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.