

NINGBO HUAGUAN ELECTRONICS CO.,LTD.





























NG8QN&NG8QW





 $16.0 \times 12.5 \times 14.4$ $16.0 \times 25.5 \times 14.4$

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	<u>C</u>	<u>S</u>	<u>10</u>	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:IU;						5 Coil rated voltage(V): DC:12
(NG8QW) 2C:2C,2U:2U						6 Coil power consumption: 0.69:0.69W
3 Enclosure: S: Sealed type: NIL: Dust cover					· ·	

Contact Data

Contact Arran	gement	1C (SPDT(B-M)) ,1U (SPSTNODM) ,2C (DPDT) ,2U (DPSTNODM)			
Contact Mater	ial	AgCdO AgSnO ₂			
Contact Rating (resistive)		10A, 20A/14VDC inrush current 30A (L/R=7mS; 15mS max)			
Max. Switchin	g Power	150W			
Max. Switchin	g Voltage	16VDC	Max. Switching Current:30A		
Contact Resis	tance or Voltage drop	<100mΩ	Item 3.12 of IEC255-7		
		250mV(at10A)	Item 3.12 of IEC255-7		
Operation	Electrical	10 ⁵	Item 3.30 of IEC255-7		
life	Mechanical	10 ⁷	Item 3.31 of IEC255-7		

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pickup voltage VDC(max) (61%of rated	Release voltage VDC(min) (7.5% of rated	Coil power consumption	Operate Time	Release Time
	Rated	Max.	<u>\$2</u> ⊥ 10%	voltage)	voltage)	VV	ms	ms
012-690	12	16	210	7.3	0.9	0.69	≪10	≪5
012-030				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.

Operation condition

Insulation Resistance	20MΩ min (at 500VDC)	Item 7 of IEC255-5		
Dielectric Strength				
Between contacts	50Hz 500V	Item 6 of IEC255-5 Item 6 of IEC255-5		
Between contact and coil	50Hz 500V			
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.

