

19.0×15.6×15.3

CQC09002028357

**c. Fl.** us E321783

R50158866

#### **Features**

- Superminiature, High power.
- Low coil power consumption.
- PC board mounting.
- Suitable for household appliance, automation system, electronic equipment, instrument and meter, communication facilities and remote control facilities.

## **Contact Data**

**Contact Arrangement** 1A, 1B, 1C

**Contact Material** Ag•CdO S: Ag·SnO<sub>2</sub>

Contact Rating (resistive) 10A/250VAC, 10A/277VAC, 12A/125VAC; TV-5/120VAC

Max. Switching Power 336W 2500VA

Max. Switching Voltage 110VDC 380VAC Max. Switching Current:12A Contact Resistance or Voltage drop Item 3.12 of IEC255-7 50mΩ Max. Operation Electrical 10<sup>5</sup> Item 3.30 of IEC255-7 life Mechanical 10<sup>7</sup> Item 3.31 of IEC255-7

## **Coil Paramet**

Coil voltage VDC		Coilesistance Ω±10%	Pickup voltage VDC(max) (75%of rated	Release voltage VDC(min) (5% of rated	Coil power consumption	Operate Time ms	Release Time ms
Rated	Max.		voltage)	voltage)		Max.	Max.
3	3.9	25/20	2.25	0.15	0.36/0.45	10	5
4.5	5.9	56/45	3.4	0.225			
5	6.5	69/56	3.75	0.25			
6	7.8	100/80	4.50	0.3			
9	11.7	225/180	6.75	0.45			
12	15.6	400/320	9.00	0.6			
24	31.2	1600/280	18.0	1.2			
28	36.4	2178/1742	21.0	1.4			
36	46.8	3600/2800	27.0	1.8			
48	62.4	6400/5720	36.0	2.4			

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 250M $\Omega$  min (at 500VDC) Item 7 of IEC255-5

Dielectric Strength

Between contacts Item 6 of IEC255-5 50Hz 750V Between contact and coil Item 6 of IEC255-5 50Hz 2500V

100m/s<sup>2</sup> Shock resistance 11ms IEC68-2-27 Test Ea method 1

IEC68-2-6 Test Fc double amplitude 1.5mm Vibration resistance 10~55Hz Terminals strength 5N IEC68-2-21 Test Ua1

Solderability 230 °C ± 2 °C  $10 \pm 0.5 s$ IEC68-2-20 Test Ta method 1

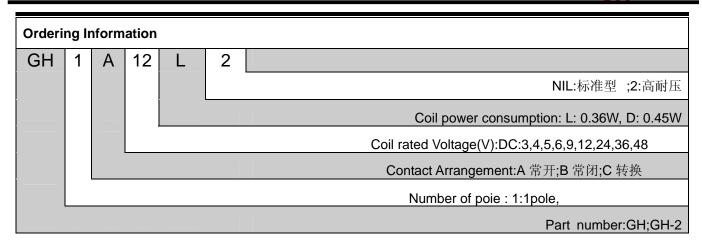
**Ambient Temperature** -45~100 °C

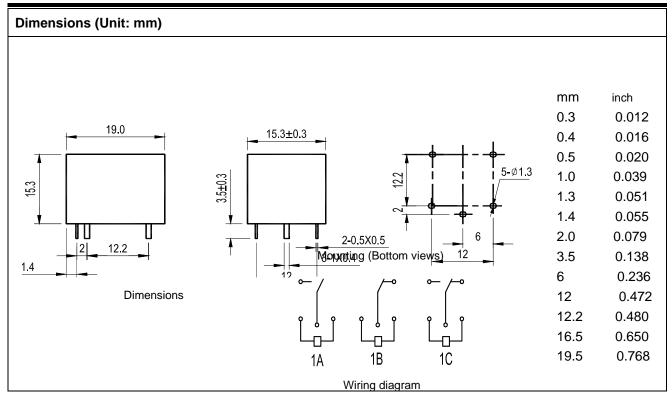
93% (at 40 °C) Relative Humidity IEC68-2-3Test Ca Mass

8.5g

## **Qualification inspection:**

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





(Bottom views)

