الحمـــادي للألكترونيـــات
ALHAMMADI FOR ELECTRONICS

GOLDEN RELAYS

19.0×15.6×15.3

G H

CQC09002028357

c UL us E321783 R50079239

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	Nil: Ag②CdO S: Ag②SnO_2	
Contact Rating (resistive)	5A, 6A, 10A, 12A,15A/125VAC,28VDC; 6A/277VAC; 5A,10A/250VAC	
Max. Switching Power	336W 2500VA	
Max. Switching Voltage	110VDC 380VAC	Max. Switching Current:12A
Contact Resistance or Voltage drop	50mΩ Max.	Item 3.12 of IEC255-7 Operation
Electrical life	10^5	Item 3.30 of IEC255-7
Mechanical	10^7	Item 3.31 of IEC255-7

Coil Paramet

Coil voltage VDC		Coilesistance Ω±10%	Pickup voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms Max.	Release Time ms Max.
Rated	Max.						
3	3.9	25/20	2.25	0.15			
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	0.36/0.45	10	5
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		Item 7 of IEC255-5
Dielectric Strength	250MΩ min (at 500VDC)	
Between contacts		Item 6 of IEC255-5
Between contact and coil	50Hz 750V	Item 6 of IEC255-5
	50Hz 1500V	
Shock resistance	100m/s^2 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm 5N	IEC68-2-6 Test Fc
Terminals strength		IEC68-2-21 Test Ua1
Solderability	230 ºC ± 2 ºC 10± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-45~100 ºC	
Relative Humidity	93% (at 40 ºC)	IEC68-2-3Test Ca
Mass	10.5g	

Qualification inspection:

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24. **57**

Ordering Information

GH	1	B	12	L	

Resist Heat Class : NIL:130ºC ;F:155ºC

Coil power consumption: L: 0.36W, D: 0.45W

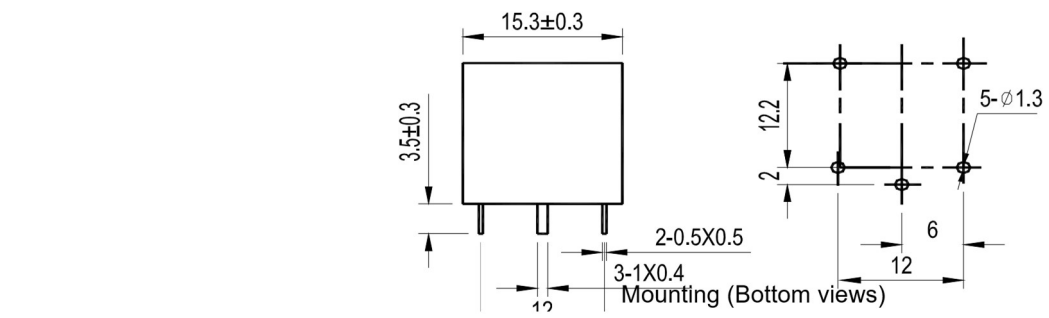
Coil rated Voltage(V):DC:3,4,5,6,9,12,24,36,48

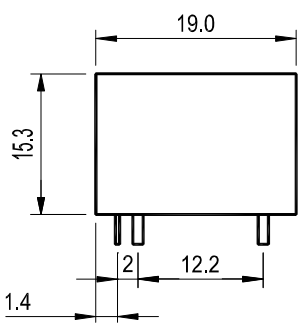
Contact Arrangement:A:1A;B:1B;C:1C

Number of poie : 1:1pole,

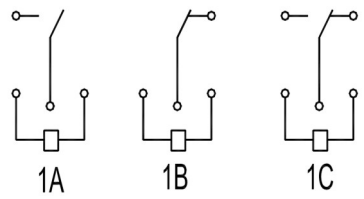
Part number:GH;GH-2

Dimensions (Unit: mm)





Dimensions



Wiring diagram

mm	inch
0.3	0.012
0.4	0.016
0.5	0.020
1.0	0.039
1.3	0.051
1.4	0.055
2.0	0.079
3.5	0.138
6	0.236
12	0.472
12.2	0.480
16.5	0.650
19.5	0.768

(Bottom views)

Reference Data