



19.0×15.6×15.3

# GH

CQC09002028357

 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: Ag·CdO	S: Ag·SnO <sub>2</sub>	
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		
Contact Resistance or Voltage drop	50mΩ Max.		
Operation life	Electrical	10 <sup>5</sup> Item 3.12 of IEC255-7	
	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 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	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	250MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 750V	Item 6 of IEC255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC255-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	230 °C ± 2 °C 10± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-45~100 °C	
Relative Humidity	93% (at 40 °C)	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.

