

## ● Features

- 15A switching capability
- 1 Form A, 1 Form B and 1 Form C configurations
- Standard PCB layout
- Plastic sealed and flux proofed types available
- UL insulation system: Class F available
- Environmental friendly product (RoHS compliant)
- Dimensions: 20.3 x 16.5 x 20.5 mm



## ● Application

- Smart Home Solution / Street Light Control / Home Appliance / Temperature Control / Industrial Control / Security System / Anti-Theft System, etc.

## ● Contact Data

Contact Arrangement	1A, 1B, 1C
Contact Material	Ag Alloy
Contact Rating	NO: 15A 250VAC/277VAC
	NC: 10A 250VAC
	TV-5 120VAC/240VAC
Max. Switching Power	4155VA
Max. Switching Voltage	277VAC
Max. Switching Current	15A
Contact Resistance	$\leq 100\text{m}\Omega$
Electrical Endurance	$1 \times 10^5$
Mechanical Endurance	$1 \times 10^7$

## ● Coil Parameter

### 0.36W Type

Coil voltage (VDC)		Coil resistance ( $\Omega \pm 10\%$ )	Pickup voltage(max) (VDC)	Release voltage(min) (VDC)	Coil power consumption (W)
Rated	Max.				
5	6.5	69	3.75	0.50	0.36
6	7.8	100	4.50	0.60	
9	11.7	225	6.75	0.90	
12	15.6	400	9.00	1.20	
18	23.4	900	13.5	1.80	
24	31.2	1600	18.0	2.40	
48	62.4	6400	36.0	4.80	

### 0.45W Type

Coil voltage (VDC)		Coil resistance ( $\Omega \pm 10\%$ )	Pickup voltage(max) (VDC)	Release voltage(min) (VDC)	Coil power consumption (W)
Rated	Max.				
5	6.5	56	3.75	0.50	0.45
6	7.8	80	4.50	0.60	
9	11.7	180	6.75	0.90	
12	15.6	320	9.00	1.20	
18	23.4	720	13.5	1.80	
24	31.2	1280	18.0	2.40	
48	62.4	5120	36.0	4.80	

## ● Operation Condition

Insulation resistance		100M $\Omega$ min (at 500VDC)
Dielectric strength	Between contacts	750VAC
	Between contact and coil	1500VAC

## ● Operation Condition

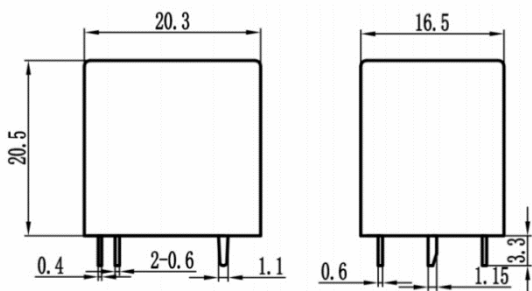
Shock resistance	Functional	98m/s <sup>2</sup>
	Endurance	980m/s <sup>2</sup>
Vibration resistance		10~55Hz double amplitude 1.5mm
Ambient temperature		-40~105°C
Operate time		≤ 15ms
Release time		≤ 5ms
Relative Humidity		5%~85%
Weight		Approx. 12g

## ● Ordering Information

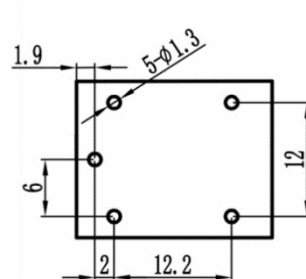
	GH	-12D	-C	-S	(XXX)
<b>Model</b>					
<b>Coil Voltage</b>	5, 6, 9, 12, 18, 24, 48VDC				
<b>Contact Arrangement</b>	A: 1 Form A   B: 1 Form B   C: 1 Form C				
<b>Construction</b>	Nil: Flux tight   S: Sealed				
<b>Special Code</b>	Nil: Standard   XXX: Customer special requirement				

## ● Dimensions (UNIT: mm)

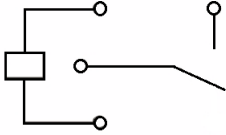
Outline Dimensions



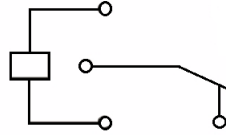
Mounting (Bottom views)



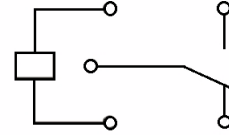
- **Dimensions (UNIT: mm)**  
Wiring Diagram (Bottom views)



1 Form A



1 Form B



1 Form C

- **Engineering Data**

