



Part No.  
**HRG102**

Industrial Relay

ISO9001 ISO14001

**Features:**

- ⇒ Size :30.4×16.0×23.4(mm)
- ⇒ Max.25A switching capability
- ⇒ Idea for motor switching
- ⇒ Direlctric strength 4500V (coil & contact)



**Odering Information**

HRG102 - S - DC12V - A - X  
 ①                      ②                      ③                      ④                      ⑤

- ① Part No.
- ② Enclosure :Plastic sealed
- ③ Coil Voltage :  
DC 5 ,12, 24V
- ④ Contact form:  
A: 1N/O
- ⑤ Special requirment

**Specification:**

Contact		Characteristics	
Contact Form	1 Form A	Insulation resistance	Min 1000MΩ(500VDC)
Contact Material	Ag Alloy	Dielectric	Between contact 1000VAC 1min
Contact Resistance	100 mΩ(6VDC 1A)	Strength	Between coil &contact 4500VAC 1min
Contact Rating(Resistance Load)		Operate time	≤ 20ms
	Resistive : 20A 250VAC	Release time	≤ 10ms
	Motor: 2HP 240VAC	Shock	Enduranc 100 m/s <sup>2</sup>
Max Switching Voltage	277VAC/30VDC	Resistance	Damage 1000 m/s <sup>2</sup>
Max Switching Current	Resistance:25A	Vibration Resistance	10-55 HZ 1.5mm DA
Max Switching Power	5000VA 600W	Humidity	35%-95% RH
Electrical Life	100,000 ops	Ambient Temperature	-25 °C to 85°C
Mechanical Life	20,000,000 ops	Weigt	Approx. 22.0g

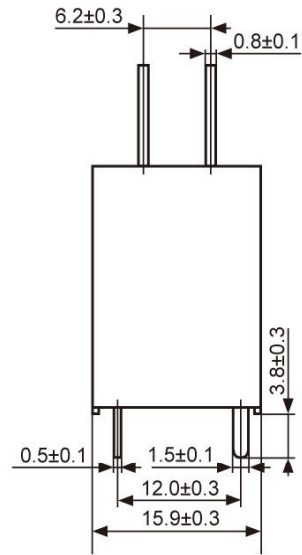
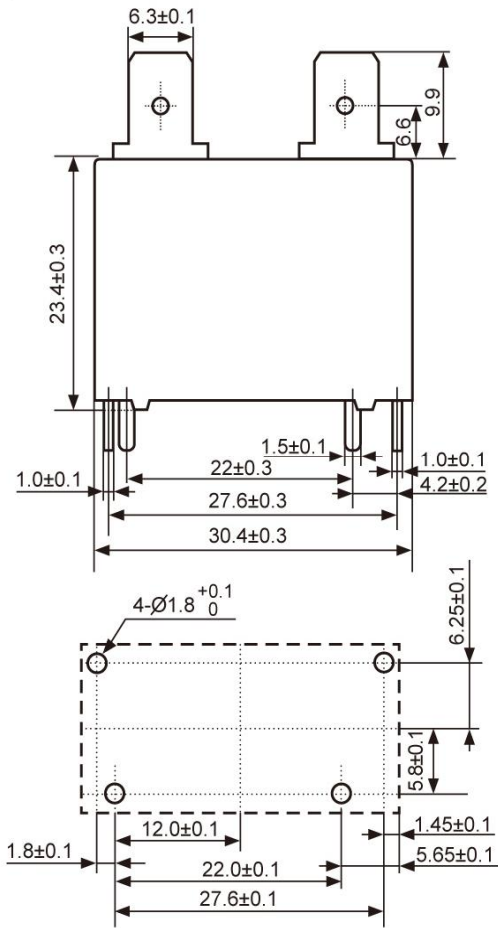
**Noted** :the data are initial value

Coil Data: at 23°C  
(900mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance Ω +/- 10%
5	3.50	0.50	6.00	27.8
12	8.40	1.20	14.50	160
24	16.80	2.40	28.80	640

Dimension(mm)

Tolerance  $\pm 0.2$



Wiring Diagram

