



Part No.

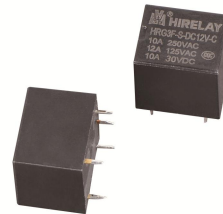
HRG3F

Industrial Relay

ISO9001 ISO14001

**Features:**

- ↳ Size :19.0×15.5×15.8(mm)
- ↳ Max.12A switching capability
- ↳ High sensitive : 360mW
- ↳ 1 Form C ,1 Form A, 1 Form B



**Ordering Information**

HRG3F - S - DC12V - C - X  
 ①                      ②                      ③                      ④                      ⑤

- ① Part No.
- ② Enclosure :Plastic sealed
- ③ Coil Voltage :  
DC3, 5 ,6 ,9,12, 24V
- ④ Contact form:  
C : 1C/O A: 1N/O B :1N/C
- ⑤ Special requirement

**Specification:**

Contact		Characteristics	
Contact Form	1A, 1B, 1C	Insulation resistance	Min 1000MΩ(500VDC)
Contact Material	Ag SnO2	Dielectric Strength	Between contact 750VAC 1min Between coil &contact 1500VAC 1min
Contact Resistance	100 mΩ(6VDC 0.1A)	Operate time	≤10 ms
Contact Rating(Resistance Load)	A: 12A 125VAC/ 10A 250VAC C: NO:10A 250VAC/30VDC NC:7A 250VAC/30VDC	Release time	≤ 5 ms
Max Switching Voltage	250VAC/30VDC	Shock Resistance	Endurance 100 m/s <sup>2</sup> Damage 1000 m/s <sup>2</sup>
Max Switching Current	12A	Vibration Resistance	10-55 HZ 1.5mm DA
Max Switching Power	2500VA 280W	Humidity	53%-95% RH
Electrical Life	100,000 ops	Ambient Temperature	-40 °C to 85°C
Mechanical Life	5,000,000 ops	Weight	Approx. 10.0g

**Noted :**the data are initial value

Coil Data:

at 23°C

High Sensitive (360mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance Ω +/- 10%
3	2.10	0.30	6.00	25
5	3.50	0.50	10.00	70
6	4.20	0.60	12.00	100
9	6.30	0.90	18.00	225
12	8.40	1.20	24.00	400
24	16.80	2.40	48.00	1600

Standard (450mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance $\Omega$ +/- 10%
3	2.10	0.30	6.00	20
5	3.50	0.50	10.00	55
6	4.20	0.60	12.00	80
9	6.30	0.90	18.00	180
12	8.40	1.20	24.00	320
24	16.80	2.40	48.00	1280

Dimension(mm)

Tolerance  $\pm 0.2$

