

## HRG21

## GENERAL PURPOSE RELAYS



**20.2×16.5×20.2(mm)**

### 特性

15A 触点切换能力，标准印制板引出脚  
 具有一组常开、一组常闭、一组转换触点形式  
 塑封型与防焊剂型可供选择

### Features

Extremely low price, standard PCB layout  
 1 Form A ,1 Form B and 1 Form C configurations  
 Wash tight and flux proofed types available

触点参数 Contact Ratings	
接触形式 Contact Form	1A 1C
触点材料 Contact Material	AgSnO <sub>2</sub> ,AgCdO
接触电阻 Contact Resistance	100mΩ(1A 6VDC)
触点负载(阻性) Contact Load (resistive load)	1A 1B :15A 120VAC TV-5 120VAC 1C:10A 120VAC/240VDC
最大切换电压 Max.Switching Voltage	250VAC/30VDC
最大额定切换电流(阻性) Max.Rated Switching Current (Resistive Load)	15A(1A 1B) 10A(1C)
最大切换功率 Max.Switching Power	1800VA/240W
机械耐久性 min Mechanical Endurance min	1×10 <sup>7</sup> ops
电耐久性 min Electrical Endurance min	1×10 <sup>5</sup> ops

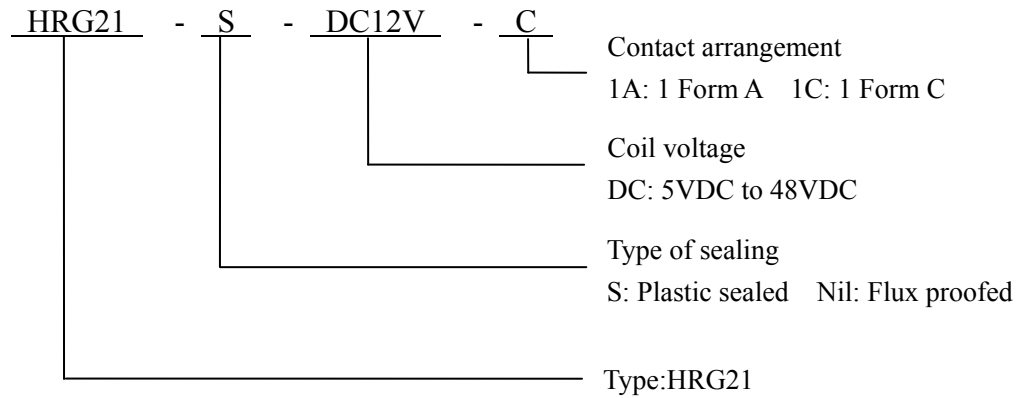
线圈参数 Coil Rating					23℃
额定线圈功率 Rated Coil Power		5~24VDC: 360mW			48VDC: 530mW
额定电压 Rated Voltage	动作电压 Operate Voltage	释放电压 Release Voltage	最大电压 Max. Voltage	线圈电阻 Coil Resistance	
5VDC	3.8VDC	0.5VDC	6.5VDC	70× (1±10%) Ω	
6VDC	4.5VDC	0.6VDC	7.8VDC	100× (1±10%) Ω	
9VDC	6.8VDC	0.9VDC	11.7VDC	225× (1±10%) Ω	
12VDC	9.0VDC	1.2VDC	15.6VDC	400× (1±10%) Ω	
18VDC	13.5VDC	1.8VDC	23.4VDC	900× (1±10%) Ω	
24VDC	18.0VDC	2.4VDC	31.2VDC	1600× (1±15%) Ω	
48VDC	36.0VDC	4.8VDC	62.4VDC	4500× (1±15%) Ω	

性能参数 Specifications		
绝缘电阻 Insulation Resistance		100MΩ(500VDC)
介质耐压 Dielectric Strength	触点与线圈间 Between coils and contacts	1500VAC 1min
	断开触点间 Between open contacts	750VAC 1min
动作时间 (额定电压下) Operate Time (Below Rated Voltage )		≤10ms
释放时间 (额定电压下) Release Time (Below Rated Voltage )		≤5ms
冲击 Shock	稳定性 Stability	98m/s <sup>2</sup>
	强度 Strength	980m/s <sup>2</sup>
振动 Vibration		10Hz~55Hz 1.5mm double-amplitude
湿度 Humidity		35%~85%RH
环境温度 Ambient Temperature		-40℃ to 70℃
重量 Weight		About 13g

引出端方式 Terminal Type	PCB
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备注：以上值均为初始值。 Note: the above values are the initial value.

### 订货标记示例 Ordering Code



### OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

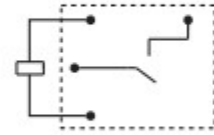
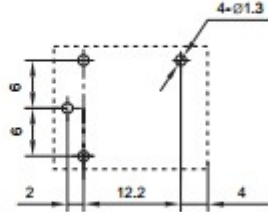
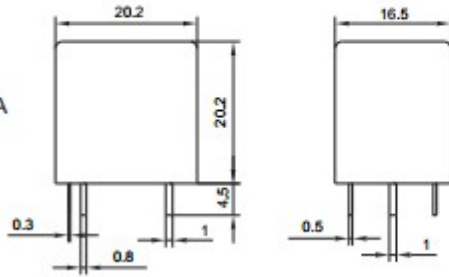
HRG21-1C

Outline Dimensions

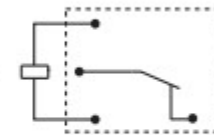
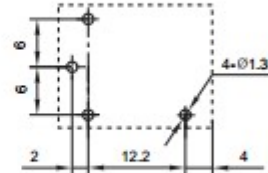
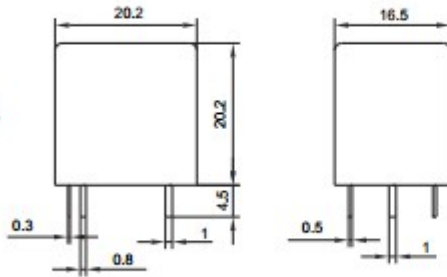
PCB Layout  
(Bottom view)

Wiring Diagram  
(Bottom view)

1 Form A



1 Form B



Outline Dimensions

PCB Layout  
(Bottom view)

Wiring Diagram  
(Bottom view)

1 Form C

