

# HK4100F

## SUBMINIATURE POWER RELAY



### 主要特性

- 价格低
- 具有一组转换一组常开一组常闭
- 印制板式引出端
- 密封型与半密封型两种封装方式

### CONTACT DATA 触点形式

Contact Form	触点形式	1C 1A 1B
Contact Material	触点材料	Silver Alloy
Contact Ratings	触点负载	3A 250VAC / 3A 30VDC
Max Switching Voltage	最大转换电压	300VAC/60VDC
Max Switching Current	最大转换电流	3A
Max Switching Power	最大转换功率	750VA/90W
Contact Resistance	接触电阻	100m $\Omega$ (at 1A 6VDC)
Electrical Life	电气寿命	1x10 <sup>5</sup> Ops(30Ops/min)
Mechanical Life	机械寿命	1x10 <sup>7</sup> Ops(300Ops/min)

### GENERAL DATA 性能参数

Insulation Resistance	绝缘电阻	100M $\Omega$ 500VDC
Dielectric Strength	Between coil and contacts 触点与线圈间耐压	1000VAC 1min.
	Between open contacts 触点间耐压	500VAC 1min.
Operate Time	吸合时间	Max. 10ms
Release Time	释放时间	Max. 5ms
Temperature Range	温度范围	-25 $^{\circ}$ C to +70 $^{\circ}$ C
Shock Resistance 冲击	Functional 稳定性	98m/s <sup>2</sup> (10g)
	Destructive 强度	980m/s <sup>2</sup> (100g)
Vibration Resistance	振动	10 to 55Hz 1.5mm
Humidity	湿度	35% to 85%RH
Weight	重量	Approx. 3.5g
Safety Standard	安规认证	CUL TÜV CQC

### COIL DATA 线圈参数

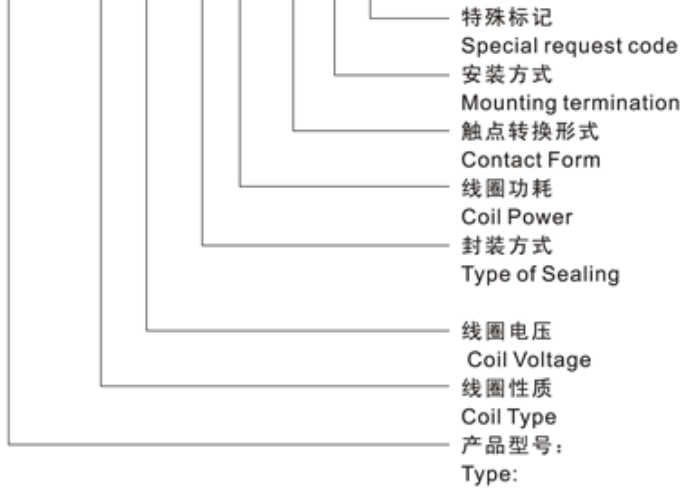
Nominal Voltage 额定电压 (VDC)	Coil Resistance at 20 $^{\circ}$ C $\pm$ 10%( $\Omega$ ) 线圈阻值			Max Operate Voltage 最大吸合电压 (VDC)	Min Release Voltage 最小释放电压 (VDC)	Max Applicable Voltage 最大过载电压 (VDC)
	0.15W	0.2W	0.36W			
3	60	45	25	2.25	0.3	3.9
5	167	120	70	3.75	0.5	6.5
6	240	180	100	4.50	0.6	7.8
9	540	400	220	6.75	0.9	11.7
12	960	720	400	9.00	1.2	15.6
24	3840	2880	1600	18.00	2.4	31.2

注：0.15W规格最大吸合电压为80%额定电压

## ORDERING INFORMATION 订货标记示例



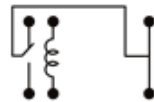
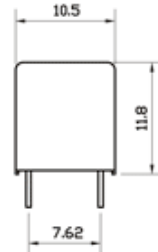
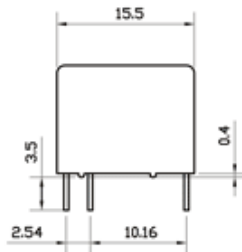
HK4100F—DC 6V—S D 1A X X



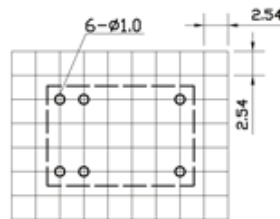
G: 环保产品  
G:RoHS  
无: PCB  
NIL:PCB  
1C 1A 1B 无: 1C  
1C 1A 1B NIL:1C  
无: 0.36W D:0.15W H:0.2W  
NIL:0.36W D:0.15W H:0.2W  
无: 半封密 S:密封型  
Nil:Flow Solder Type  
S: Plastic Sealed Type  
3V、5V、6V、9V、12V、24V  
3V、5V、6V、9V、12V、24V  
DC: 直流  
DC  
HK4100F  
HK4100F

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT 外形图、接线图、安装孔尺寸

Dimension(mm)



BOTTOM VIEW  
(1C)



BOTTOM VIEW  
(1C)

公差 Tolerance: ±0.2

## Raeference Data 特性曲线

