

Power Relay Series 功率继电器系列--JQC-5F

FEATURES特点

- Up to 10A contact switching capability
高达10A触点切换能力
- Plastic sealed and flux proofed types available
塑封型与防焊剂型可供选择
- Low height, flat construction
低高度、扁平式结构
- Overall dimensions (22.6*16.2*10.2) mm.
外形尺寸 (22.6*16.2*10.2) mm.



CONTACT PARAMETERS触点参数

Contact Form触点形式	1Z - 1组转换
Rating Load (Resistive) 额定负载 (阻性)	NO/NC: 7A 250VAC 7A 30VDC
Max. Switching Current 最大切换电流	10A
Max. Switching Voltage 最大切换电压	250VAC/30VDC
Max. Switching Power 最大切换功率	1750VA/210W

CHARACTERISTICS性能参数

Contact Materials触点材料	Ag Alloy银合金	
Contact Resistance接触电阻	100mΩ Max	
Operate Time吸合时间	10ms. Max	
Release Time释放时间	5ms. Max	
Insulation Resistance绝缘电阻	1,000MΩ Min.(DC500V)	
Initial Dielectric Strength介质耐压	between open contacts: 触点与触点间:	AC1,000V,50/60Hz 1Min
	between contacts and coil: 触点与线圈间:	AC2,500V,50/60Hz 1Min
Vibration Resistance抗振动	Damage limits: 耐久:	10~55Hz Double Amplitude双振幅1.5mm
	Malfunction: 误动作:	10~55Hz Double Amplitude双振幅1.5mm
Shock Resistance抗冲击	Damage limits: 耐久:	100G Min
	Malfunction: 误动作:	10G Min
Life寿命	Mechanical Life (10800 per hour) 机械寿命 (每小时10800次)	1×10^7
	Electrical Life 电气寿命 (阻性负载 Resistive Load)	1×10^5 (ON:OFF 1S:9S 23°C 不封气孔)
Ambient Temperature环境温度	-40 °C ~ +85 °C (No condensation) (不冷凝)	
Unit Weight单位重量	约Approx.9.0g	

COIL RATINGS (at 23°C) 线圈参数 (在23°C)

Coil Nominal Voltage 额定电压 (VDC)	Nominal Current 额定电流 ±10% (mA)	Coil Resistance 线圈电阻 ±10% (Ω)	Maximum applied voltage 最大外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
3	150.00	20	Coil Nominal Voltage 130% 额定电压的 130	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.45 W 约0.45W
5	90.00	55				
6	75.00	80				
9	50.00	180				
12	37.00	320				
18	25.00	720				
24	18.75	1280				
48	9.38	5120				
3	66.67	45	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.2 W 约0.2W
5	40.00	125				
6	33.33	180				
9	22.50	400				
12	16.67	720				
18	11.25	1600				
24	8.57	2800				

备注：最大外加电压是指线圈在短时间内能承受的最大电压值。

The maximum applied voltage refers to the maximum voltage value that the coil can withstand in a short period of time

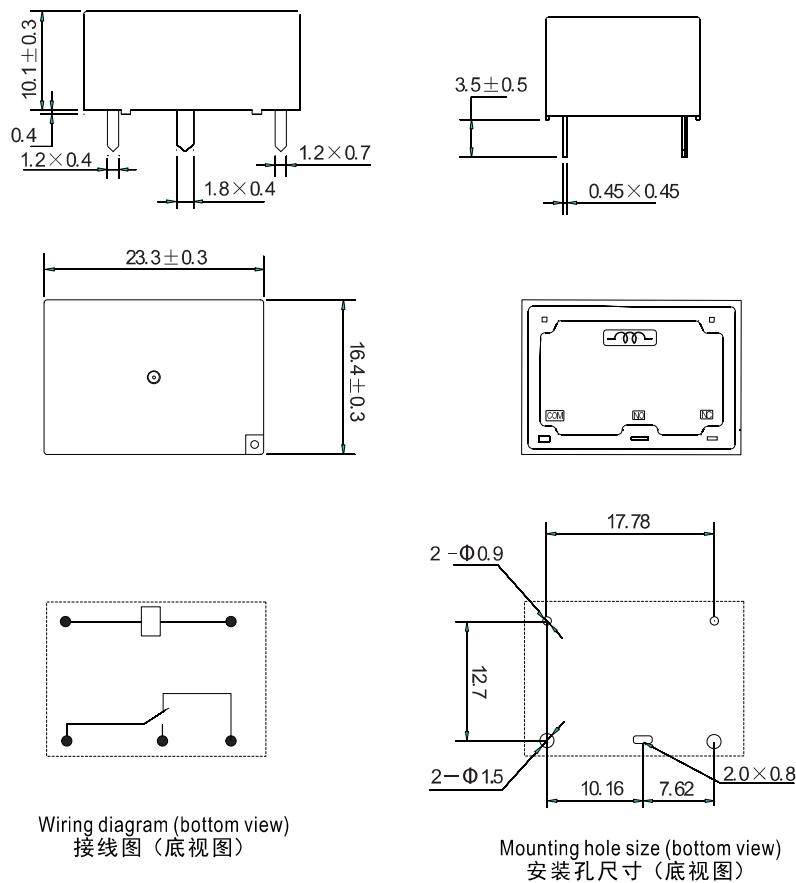
ORDERING INFORMATION 订货标记

JQC-5F 012 - 1 Z 1				
1	2	3	4	5
1. Model Number 基本型号 JQC-5F			4. Contact form: H-1Form A, Z-1Form C 触点形式：H-1组常开 Z-1组转换	
2. Coil Voltage 线圈规格 (VDC)： DC3V DC5V DC6V, DC9V, DC12V, DC18V, DC24V,			5. Coil Power: 1-sensitive type (0.2 W), 6 - standard type (0.45W) 线圈功率：1- 灵敏型 (0.2 W), 6- 标准型 (0.4W)	
3. Type of Sealing: 1 - One Pole 开关形式： 1 — 一组开关				

SAFETY STANDARD 安规认证

Auth Type Basic 认证类别	UL
Authentication Load 认证负载	NO: 10A 250VAC 10A 30VDC NO/NC: 7A 250VAC 7A 30VDC

OUTLINE DIMENSIONS (UNIT:mm) 外形尺寸 (单位: mm)



Undimensioned tolerance: <1mm: ± 0.2 mm 1~5mm: ± 0.3 mm >5mm: ± 0.4 mm
未标注尺寸公差: <1mm: ± 0.2 mm 1~5mm: ± 0.3 mm >5mm: ± 0.4 mm

Note: 1.The size of the lead foot is pre welding dimension. 注: 1、引出脚尺寸为预焊前尺寸
2.installation hole size tolerance: ± 0.1 mm 2、安装孔尺寸公差: ± 0.1 mm

TYPICAL USE 典型用途

- Home Appliances, Office Automation, Smart Home Products, Smart Plug Series
- 家用电器, 办公自动设备, 智能家居产品, 智能插座系列

PERFORMANCE CHART 性能曲线图

