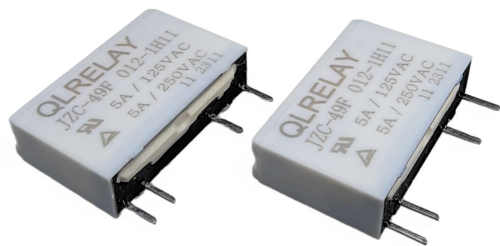


Power Relay Series 功率继电器系列 -- JZC-49F

FEATURES特点

- 7A contact switching capability  
7A触点切换能力
- 3kV dielectric strength (between coil and contacts)  
线圈与触点间介质耐压3kV
- UL insulation system: Class F  
UL绝缘等级:F级
- Overall dimensions (20.0X5.0X12.5)mm  
外形尺寸 (20.0X5.0X12.5) mm



CONTACT PARAMETERS触点参数

|                                   |                    |
|-----------------------------------|--------------------|
| Contact Form触点形式                  | A-1组常开             |
| Rating Load (Resistive) 额定负载 (阻性) | 5A/7A 250VAC/30VDC |
| Max. Switching Current最大切换电流      | 5A/7A              |
| Max.Switching Voltage最大切换电压       | 277VAC/30VDC       |
| Max.Switching Power最大切换功率         | 1939VA/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       | 1000MΩ Min.(DC500V)                                 |                                  |  |
| Initial Dielectric Strength介质耐压 | between open contacts:<br>触点与触点间:                   | AC1,000V,50/60Hz 1Min            |  |
|                                 | between contacts and coil:<br>触点与线圈间:               | AC3,000V,50/60Hz 1Min            |  |
| Vibration Resistance抗振动         | Damage limits:<br>耐久:                               | 10～55Hz Double Amplitude双振幅1.5mm |  |
|                                 | Malfunction:<br>误动作:                                | 10～55Hz Double Amplitude双振幅1.5mm |  |
| Shock Resistance抗冲击             | Damage limits:<br>耐久:                               | 100G Min                         |  |
|                                 | Malfunction:<br>误动作:                                | 10G Min                          |  |
| Life寿命                          | Mechanical Life (10800 per hour)<br>机械寿命（每小时10800次） | 1×10 <sup>7</sup>                |  |
|                                 | Electrical Life (1800 per hour)<br>电气寿命（每小时1800次）   | 1×10 <sup>5</sup>                |  |
| Ambient Temperature环境温度         | -40℃～+85℃（No condensation）（不冷凝）                     |                                  |  |
| Unit Weight单位重量                 | 约Approx.3.0g                                        |                                  |  |

## COIL RATINGS (at23°C) 线圈参数 (在23°C)

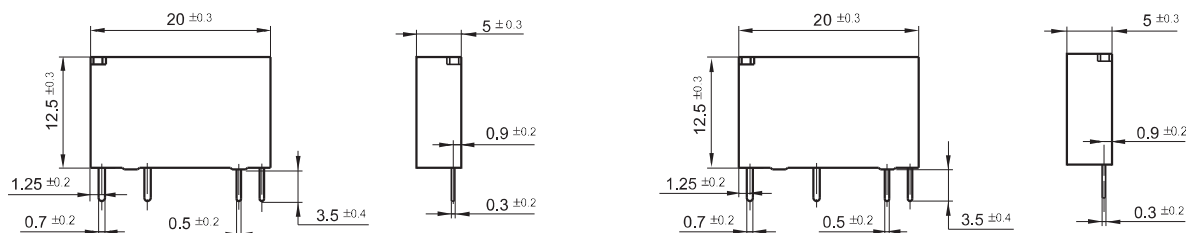
| Coil Nominal Voltage<br>额定电压 (VDC) | Nominal Current<br>额定电流 $\pm 10\%$ (mA) | Coil Resistance<br>线圈电阻 $\pm 10\%$ ( $\Omega$ ) | Max. Continuous Voltage<br>最大连续外加电压        | Pick-Up Voltage<br>吸合电压 (Max)            | Drop-Out Voltage<br>释放电压 (Min)           | Rated power<br>额定功率 |
|------------------------------------|-----------------------------------------|-------------------------------------------------|--------------------------------------------|------------------------------------------|------------------------------------------|---------------------|
| 5                                  | 24.00                                   | 208                                             | Coil Nominal Voltage<br>130%<br>额定电压的 130% | Coil Nominal Voltage<br>75%<br>额定电压的 75% | Coil Nominal Voltage<br>10%<br>额定电压的 10% | 0.12W               |
| 6                                  | 20.00                                   | 300                                             |                                            |                                          |                                          |                     |
| 9                                  | 13.33                                   | 675                                             |                                            |                                          |                                          |                     |
| 12                                 | 10.00                                   | 1200                                            |                                            |                                          |                                          |                     |
| 18                                 | 6.67                                    | 2700                                            |                                            |                                          |                                          |                     |
| 24                                 | 5.00                                    | 4800                                            |                                            |                                          |                                          |                     |
| 24                                 | 7.50                                    | 3200                                            |                                            |                                          |                                          | 0.18W               |

## ORDERING INFORMATION 订货标记

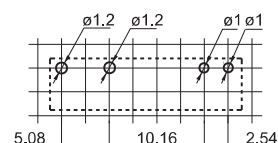
| JZC-49F 012 - 1H 1 L 1 7 (XXX)                                                |   |   |   |                                                                                                                |   |   |   |
|-------------------------------------------------------------------------------|---|---|---|----------------------------------------------------------------------------------------------------------------|---|---|---|
| 1                                                                             | 2 | 3 | 4 | 5                                                                                                              | 6 | 7 | 8 |
| 1. Model Number 基本型号 JZC-49F                                                  |   |   |   | 5. Coil Power: No - 0.12W, L - 0.18W<br>线圈功率: 无 - 0.12W, L - 0.18W                                             |   |   |   |
| 2. Coil Voltage 线圈规格 (VDC):<br>DC3V, DC5V, DC6V, DC9V, DC12V, DC18V, DC24V    |   |   |   | 6. Induces foot position: 1 - 1 foot position 2 - 2 foot position<br>引出脚位: 1 - 1型脚 2 - 2型脚                     |   |   |   |
| 3. Contact form: 1H-1Form A<br>触点形式: 1H-1组常开                                  |   |   |   | 7. Load switching capability: Nil: 5A 250VAC 7: 7A 250VAC<br>负载切换能力: 无: 5A 250VAC 7: 7A 250VAC                 |   |   |   |
| 4. Encapsulation form: 1-Plastic Sealed 2: Fluk proofed<br>封装形式: 1-塑封型 2-防焊剂型 |   |   |   | 8. Customer Special Code :XXX- Customer Special Requirements<br>No - Standard Type<br>客户特性号: XXX-客户特殊要求, 无-标准型 |   |   |   |

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

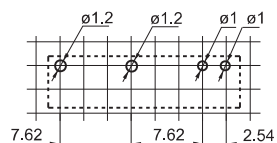
外形图



安装孔尺寸  
(底视图)



1型脚



2型脚

接线图 (底视图)



- 备注: (1) 产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$ , 公差为 $\pm 0.2\text{mm}$ ; 当外形尺寸在 $(1 \sim 5)\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$ ; 当外形尺寸 $> 5\text{mm}$ , 公差为 $\pm 0.4\text{mm}$ ;  
(2) 安装孔尺寸中未注尺寸公差为 $\pm 0.1\text{mm}$ ;  
(3) 网格宽度为 $2.54\text{mm}$ 。

SAFETY STANDARD安规认证

|                          |              |              |
|--------------------------|--------------|--------------|
| AuthType Basic认证类别       | TUV          | UL/C__UL     |
| Authentication Load 认证负载 | 5A/7A 250VAC | 5A/7A 250VAC |

TYPICAL USE典型用途

- Communication ● Safety equipment, Smart home ● PCB Control Board
- Household appliances, Such as air conditioners, Microwave ovens
- 通讯 ● 安全设备，智能家居 ● PCB控制板 ● 家用电器，如空调，微波炉

PERFORMANCE CHART性能曲线图

