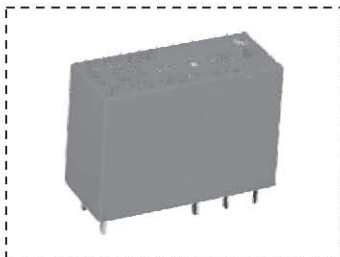




## Power Relay Series 功率继电器系列 -- JY14F/JY14FD

### FEATURES特点

- 16A contact switching capability  
16A触点切换能力
- One set of regular, conversion, two groups of regular, conversion  
一组常开、转换，二组常开、转换
- Plastic sealed and dust protected types available  
塑封型和防尘罩型可供选择
- Overall dimensions (29.2X12.8X20.6) mm.  
外形尺寸 (29.2X12.8X20.6) mm



### CONTACT PARAMETERS触点参数

|                                 |                      |                    |
|---------------------------------|----------------------|--------------------|
| Contact Form触点形式                | A-1组常开, C-1组转换,      | 2A-2组常开, 2C-2组转换   |
| Rating Load (Resistive)额定负载(阻性) | 16A/12A 250VAC/30VDC | 5A/8A 250VAC/30VDC |
| Max. Switching Current最大切换电流    | 16A                  | 8A                 |
| Max.Switching Voltage最大切换电压     | 250VAC               | 250VAC             |
| Max.Switching Power最大切换功率       | 4000VA/480W          | 2000VA/240W        |

### 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                | 15ms. Max   |                                  |
| Release Time释放时间                | 5ms. Max  |                                  |
| Insulation Resistance绝缘电阻       | 100MΩ Min.(DC500V)                                  |                                  |
| Initial Dielectric Strength介质耐压 | between open contacts:<br>触点与触点间:                   | AC1000V,50/60Hz 1Min             |
|                                 | between contacts and coil:<br>触点与线圈间:               | AC4000V,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>8</sup>                |
| Ambient Temperature环境温度         | -40℃~+105℃ (No condensation) (不冷凝)                  |                                  |
| Unit Weight单位重量                 | 约Approx.13.0g                                       |                                  |



## 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 ±10%(mA) | Coil Resistance<br>线圈电阻 ±10% (Ω) | 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 |
|------------------------------------|----------------------------------|----------------------------------|---|---|---|---------------------|
| 3                                  | 240                              | 12.5                             | Coil Nominal Voltage<br>130%<br>额定电压的130% | Coil Nominal Voltage<br>70%<br>额定电压的70% | Coil Nominal Voltage<br>10%<br>额定电压的10% | About 0.72 W        |
| 5                                  | 143                              | 35                               |   |   |   |                     |
| 6                                  | 120                              | 50                               |   |   |   |                     |
| 9                                  | 80                               | 112.5                            |   |   |   |                     |
| 12                                 | 60                               | 200                              |   |   |   |                     |
| 24                                 | 30                               | 800                              |   |   |   |                     |
| 48                                 | 15                               | 3200                             |   |   |   |                     |

| Coil Nominal Voltage<br>额定电压 (VDC) | Nominal Current<br>额定电流 ±10%(mA) | Coil Resistance<br>线圈电阻 ±10% (Ω) | 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 |
|------------------------------------|----------------------------------|----------------------------------|---|---|---|---------------------|
| 3                                  | 180.00                           | 17                               | Coil Nominal Voltage<br>130%<br>额定电压的130% | Coil Nominal Voltage<br>70%<br>额定电压的70% | Coil Nominal Voltage<br>10%<br>额定电压的10% | About 0.54 W        |
| 5                                  | 108.00                           | 46                               |   |   |   |                     |
| 6                                  | 90.00                            | 67                               |   |   |   |                     |
| 9                                  | 60.00                            | 150                              |   |   |   |                     |
| 12                                 | 45.00                            | 267                              |   |   |   |                     |
| 24                                 | 22.50                            | 1,067                            |   |   |   |                     |
| 48                                 | 11.25                            | 4,267                            |   |   |   |                     |

## ORDERING INFORMATION 订货标记

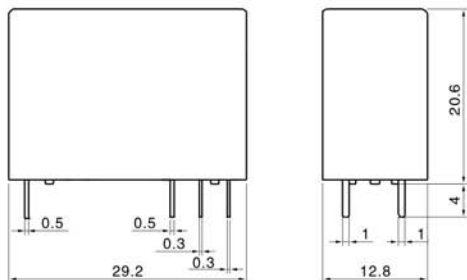
| JY14FD-S-DC12V-2A-D-(XXX)   |   |   |  |   |   |  |
|---|---|---|--|---|---|--|
| 1   | 2 | 3 | 4  | 5 | 6 |  |
| 1. Model Number 基本型号 JY14F /JY14FD  |   |   | 4. Contact form: JY14F:A2-1Form A2, B2-1Form B2,C-1Form C<br>JY14FD:2A-2Form A,2B-2Form B,2C-2Form C           |   |   |  |
| 2. Encapsulation form:S-Plastic Sealed SH:Fluk proofed<br>封装形式: S-塑封型 SH-防焊剂型 |   |   | 触点形式: JY14F:A2-1组常开(双脚), B2-1组常闭(双脚), C2-1组转换(双脚)<br>JY14FD:2A-2组常开, 2B-2组常闭, 2C-2组转换                          |   |   |  |
| 3. Coil Voltage 线圈规格 (VDC):<br>DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V          |   |   | 5. Coil Power: No-0.54W, D-0.72W<br>线圈功率: 无-0.54W, D-0.72W   |   |   |  |
|   |   |   | 6. 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 |   |   |  |



## SAFETY STANDARD 安规认证

| AuthType Basic 认证类别      | CQC                                  | TUV                                  | UL/C_UL                              |
|--------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Authentication Load 认证负载 | 1组: 12/16A 250VAC<br>2组: 5/8A 250VAC | 1组: 12/16A 250VAC<br>2组: 5/8A 250VAC | 1组: 12/16A 250VAC<br>2组: 5/8A 250VAC |

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

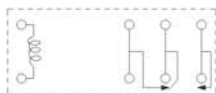


Undimensioned tolerance: <1mm:  $\pm 0.2\text{mm}$  1~5mm:  $\pm 0.3\text{mm}$  >5mm:  $\pm 0.4\text{mm}$   
未标注尺寸公差: <1mm:  $\pm 0.2\text{mm}$  1~5mm:  $\pm 0.3\text{mm}$  >5mm:  $\pm 0.4\text{mm}$

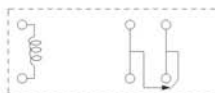
Note: 1. The size of the lead foot is pre welding dimension. 注: 1、引出脚尺寸为预焊前尺寸  
2. installation hole size tolerance: +0.1mm 2、安装孔尺寸公差:  $\pm 0.1\text{mm}$

## 1P-Wiring diagram (bottom view)

## 1组 (双脚)-接线图 (底视图)



1组转换 (双脚) / 1-Form C



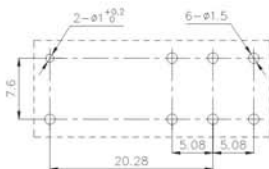
1组常闭 (双脚) / 1-Form B



1组常开 (双脚) / 1-Form A

## 1P-Mounting hole size (bottom view)

## 1组 (双脚)-安装孔尺寸 (底视图)



1组转换 (双脚) / 1-Form C



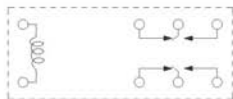
1组常闭 (双脚) / 1-Form B



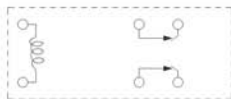
1组常开 (双脚) / 1-Form A



2P Wiring diagram (bottom view)  
2组接线图(底视图)



2组转换/2-Form C

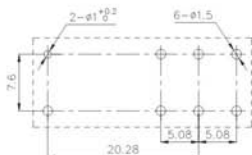


2组常闭/2-Form B

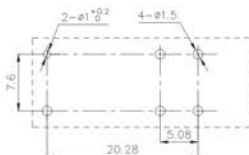


2组常开/2-Form A

2P Mounting hole size (bottom view)  
2组安装孔尺寸(底视图)



2组转换/2-Form C



2组常闭/2-Form B



2组常开/2-Form A

## TYPICAL USE 典型用途

- Home Appliances, Air-Conditioning, Microwave, Sound, Display, Industrial Control, Instrument, Etc..
- 家用电器, 空调, 微波炉, 音响, 显示器, 工业控制, 仪器仪表等

## PERFORMANCE CHART 性能曲线图

