



Power Relay Series 功率继电器系列 -- JY115F

FEATURES特点

- Up to 16A contact switching capability
高达16A触点切换能力
- Plastic and flux proof are available
塑封型和防焊剂型可供选择
- 5kV dielectric strength (between coil and contacts)
线圈与触点间介质耐压5kV
- Overall dimensions (20.9X12.7X15.7) mm
外形尺寸 (20.9X12.7X15.7) mm



CONTACT PARAMETERS触点参数

Contact Form触点形式	A/B/C-1组常开/常闭/转换 2A/2B/2C-2组常开/常闭/转换	
Rating Load (Resistive) 额定负载 (阻性)	12A/16A 250VAC	8A 250VAC
Max. Switching Current 最大切换电流	12A/16A	8A
Max. Switching Voltage 最大切换电压	250VAC	250VAC
Max. Switching Power 最大切换功率	4,000VA/3,000VA	2,000VA

CHARACTERISTICS性能参数

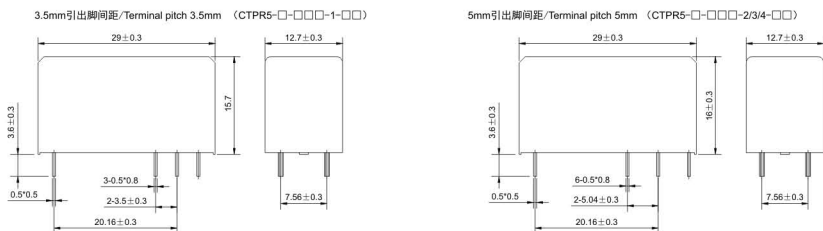
Contact Materials触点材料	Ag Alloy银合金	
Contact Resistance接触电阻	100mΩ Max	
Operate Time吸合时间	15ms .Max	
Release Time释放时间	8ms .Max	
Insulation Resistance绝缘电阻	100MΩ Min. (DC500V)	
Initial Dielectric Strength介质耐压	between open contacts: 断开触点间	AC1,000V,50/60Hz 1Min
	between contacts and coil: 触点与线圈间:	AC5,000V,50/60Hz 1Min
	Contact contact sets: 触点组间:	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 (1800 per hour) 电气寿命 (每小时1800次)	1×10 ⁵
Ambient Temperature环境温度	-40℃ ~ +85℃ (No condensation) (不冷凝)	
Unit Weight单位重量	约Approx.13.5g	

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)	Max. Continuous Voltage 最大连续外加电压	Pick-Up Voltage 吸合电压 (Max)	Drop-Out Voltage 释放电压 (Min)	Rated power 额定功率
5	81.00	63	Coil Nominal Voltage 150% 额定电压的 150%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.40 W 约 0.40W
6	67.00	90				
9	45.00	203				
12	33.00	360				
18	22.00	810				
24	17.00	1440				
48	8.00	5760				
60	6.70	9000				
110	3.60	30250				

ORDERING INFORMATION 订货标记

JY115F-S-DC12V-A-1-(XXX) 1 2 3 4 5 6	
1. Model Number 基本型号 JY115F	触点形式: A-1组常开, 2A-2组常开 C-1组转换, 2C-2组转换 B-1组常闭, 2B-2组常闭
2. Encapsulation form: S-Plastic Sealed SH:Fluk proofed 封装形式: S-塑封型 SH-防焊剂型	5 结构形式: 1:3.5mm—组12A; 2:5.0mm—组12A; 3:5.0mm—组16A; 4:5.0mm两组8A Stucture Forms:1:3.5mm 1Pole 12A; 2:5.0mm 1Pole 12A; 3:5.0mm 1Pole 16A; 4:5.0mm 2Pole 8A
3. Coil Voltage 线圈规格 (VDC): DC5V, DC6V, DC9V, DC12V, DC18V, DC24V, DC48V, DC60V, DC110V	6. Customer Special Code: XXX- Customer Special Requirements No - Standard Type 客户特性号: XXX-客户特殊要求, 无-标准型
4. Contact form: A-1Form A, 2A-2Form A C-1Form B, 2C-2Form B B-1Form C, 2B-2Form C	

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

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

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: ±0.1mm



3.5/5mm, 1组/1Pole, 12A



1组常开/1-formA



1组常闭/1-formB



1组转换/1-formC

5mm, 1组/1Pole, 16A



1组常开/1-formA



1组常闭/1-formB



1组转换/1-formC

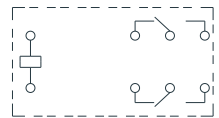
5mm, 2组/2Pole, 8A



2组常开/2-formA



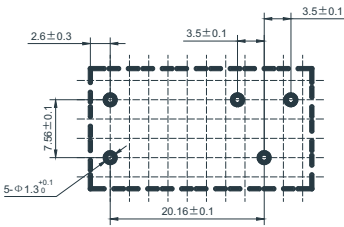
2组常闭/2-formB



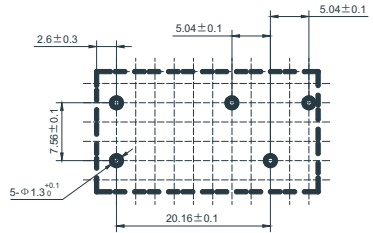
2组转换/2-formC

Wiring diagram (bottom view)
接线图 (底视图)

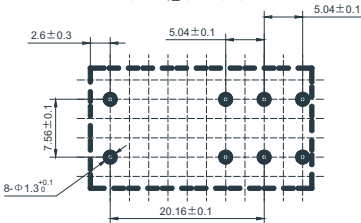
3.5mm 1组 / 1Pole 12A



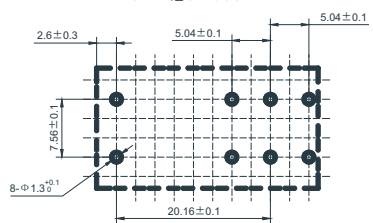
5mm 1组 / 1Pole 12A



5mm 1组 / 1Pole 16A



5mm 2组 / 2Pole 8A



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

TYPICAL USE 典型用途

- Home Appliances, Intelligent Control, Smart Home, Smart Plug, Air Conditioning, Microwave, Industrial Control, Etc..
- 家用电器，智能控制，智能家居，智能插座，空调，微波炉，工业控制等

PERFORMANCE CHART 性能曲线图

