



Power Relay Series 功率继电器系列 --JY49F

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: 触点与触点间:	AC1,000V,50/60Hz 1Min	
	between contacts and coil: 触点与线圈间:	AC3,000V,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.3.0g		



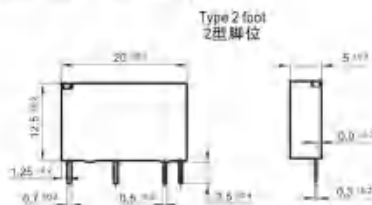
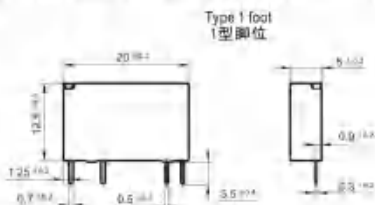
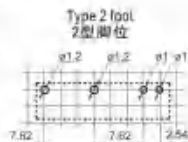
COIL RATINGS (at 23°C) 线圈参数 (在 23°C)

Coil Nominal Voltage 额定电压 (VDC)	Nominal Current 额定电流 $\pm 10\%$ (mA)	Coil Resistance 线圈电阻 $\pm 10\%$ (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	24.00	208	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 70% 额定电压的 70%	Coil Nominal Voltage 10% 额定电压的 10%	0.12 W
6	20.00	300				
9	13.33	675				
12	10.00	1,200				
18	6.67	2700				
24	5.00	4800				
24	7.50	3,200				0.18 W

ORDERING INFORMATION 订货标记

JY49F-S-DC12V-L-A-1-(XXX)						
1	2	3	4	5	6	7
1. Model Number 基本型号 JY49F			5. Contact Form: A-1 Form A 触点形式: A-1组常开			
2. Encapsulation form: S-Plastic Sealed SH:Flux proofed 封装形式: S-塑封型 SH-防焊剂型			6. Induces foot position: 1-1 foot position, 2-2 foot position 引出脚位: 1-1型脚位, 2-2型脚位			
3. Coil Voltage 线圈规格 (VDC): DC5V, DC6V, DC9V, DC12V, DC18V, DC24V			7. 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. Coil Power: No-0.12W, L-0.18W 线圈功率: 无-0.12W, L-0.18W						

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

Mounting hole size (bottom view)
安装孔尺寸 (底视图)Wiring diagram (bottom view)
接线图 (底视图)

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

SAFETY STANDARD安规认证

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

