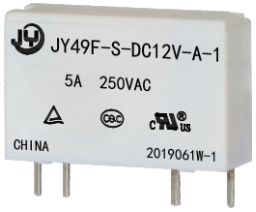
Power Relay Series 功率继电器系列 --JY49F

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 (at23℃) 线圈参数 (在23℃)

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	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

2. Encapsulation form:S-Plastic Sealed SH:Fluk proofed
封装形式：S-塑封型 SH-防焊剂型

3. Coil Voltage线圈规格 (VDC)：
DC5V,DC6V,DC9V,DC12V,DC18V,DC24V

4. Coil Power:No-0.12W, L-0.18W
线圈功率：无-0.12W, L-0.18W

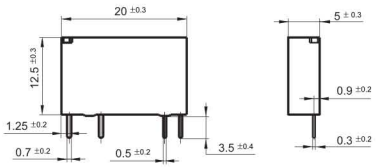
5. Contact Form:A-1Form A
触点形式：A-1组常开

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

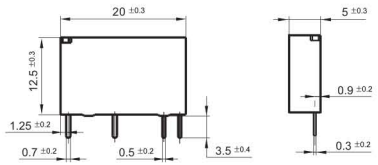
7. Customer Special Code :XXX- Customer Special Requirements
No - Standard Type
客户特性号：XXX-客户特殊要求，无-标准型

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

Type 1 foot
1型脚位

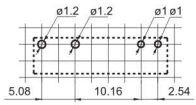


Type 2 foot
2型脚位

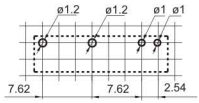


Mounting hole size (bottom view)
安装孔尺寸 (底视图)

Type 1 foot
1型脚位



Type 2 foot
2型脚位



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

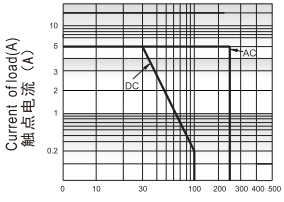
AuthType Basic认证类别	CQC	TUV	UL/C__UL
Authentication Load 认证负载	5A/7A 250VAC	5A/7A 250VAC	5A/7A 250VAC

TYPICAL USE典型用途

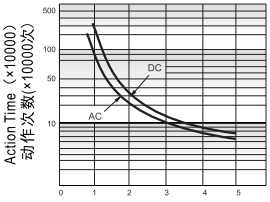
● Communication ●Safety equipment, Smart home ●PCB Control Board
● Household appliances, Such as air conditioners, Microwave ovens
● 通讯 ●安全设备，智能家居 ●PCB控制板 ●家用电器，如空调，微波炉

PERFORMANCE CHART性能曲线图

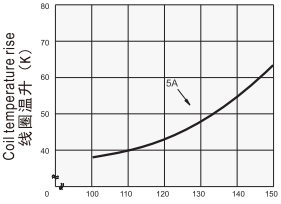
Max. operating power
最大切换功率



Electric durability curve
电耐久性曲线



Coil temperature rise
线圈温升



Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

JIEYING:

JY3FF-S-DC12V-C(K) JY3FF-S-DC5V-A JY4100F-S-DC24V-C JY4101F-S-DC5V-C JYT90F-SH-DC12V-C
JY32FN-S-DC12V-A/10A JY32FN-S-DC5V-A/10A JY32FNH-S-DC5V-A/20A JY32FNH-SH-DC12V-A/20A
JY3FF-S-DC12V-A JY3FF-S-DC24V-A(K) JYT78F-S-DC5V-C(K) JY32FNH-SH-DC5V-A/10A
JYT78F-S-DC12V-A JYT78F-S-DC12V-C JYT90F-S-DC12V-C JY23F-S-DC12V-C
JY32FN-SH-DC24V-A/20A JY32FN-SH-DC12V-A/20A