



Signal Relay Series 信号继电器系列 --JY4101F

FEATURES特点

- 3Amps super miniature relay
3A超小型继电器
- 1.5kV dielectris strength(between coil and contacts)
线圈与触点间介质耐压1.5kV
- Standard type & high sensitivity type available
标准型及高敏感度型
- Overall dimensions (15.5X10.5X11.7)mm
外形尺寸 (15.5X10.5X11.7) mm



CONTACT PARAMETERS触点参数

Contact Form触点形式	C-1组转换		
Rating Load (Resistive) 额定负载 (阻性)	1A 250VAC/30VDC	3A 250VAC/30VDC	5A 125VAC/30VDC
Max. Switching Current最大切换电流	1A	3A	5A
Max.Switching Voltage最大切换电压	250VAC	250VAC	125VAC
Max.Switching Power最大切换功率	250VA/30W	750VA/90W	625VA/150W

CHARACTERISTICS性能参数

Contact Materials触点材料	Ag Alloy银合金		
Contact Resistance接触电阻	50mΩ Max		
Operate Time吸合时间	5ms. 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: 触点与触点间:	AC750V,50/60Hz 1Min	
	between contacts and coil: 触点与线圈间:	AC1500V,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	-25℃～+70℃（No condensation）（不冷凝）		
Unit Weight单位重量	约Approx.4.0g		



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
3	120.00	25	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.36W 约0.36W
5	71.43	70				
6	60.00	100				
9	40.00	225				
12	30.00	400				
24	15.00	1,600				

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
3	66.67	45	Coil Nominal Voltage 130% 额定电压的 130%	Coil Nominal Voltage 75% 额定电压的 75%	Coil Nominal Voltage 10% 额定电压的 10%	About 0.20 W 约0.20W
5	40.00	125				
6	33.33	180				
9	22.22	405				
12	16.67	720				
24	8.33	2,880				
3	150.00	20				About 0.45 W 约0.45W
5	90.00	55				
6	75.00	80				
9	50.00	180				
12	37.50	320				
24	18.75	1,280				

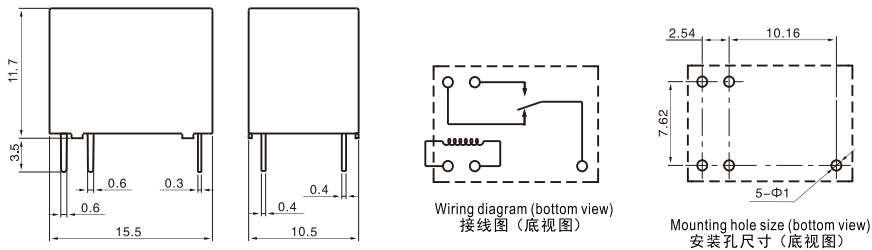
ORDERING INFORMATION订货标记

JY4101F-S-DC12V-C-L-1-(XXX) 1 2 3 4 5 6 7						
1. Model Number基本型号: JY4101F 2. Encapsulation form:S-Plastic Sealed SH:Fluk proofed 封装形式: S-塑封型 SH-防助焊剂型 3. Coil Voltage线圈规格 (VDC): DC3V,DC5V,DC6V,DC9V,DC12V,DC24V, 4. Contact Form: C-1Form C 触点形式:C-1组转换				5. Coil power: no -0.20W, L-0.36W, H-0.45W 线圈功率: 无-0.20W, L-0.36W, H-0.45W 6. 负载电流: 无-3A, 1-1A, 5-5A 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		

SAFETY STANDARD安规认证

AuthType Basic认证类别	CQC	UL/C__UL
Authentication Load 认证负载	3A 250VAC	3A 250VAC/30VDC

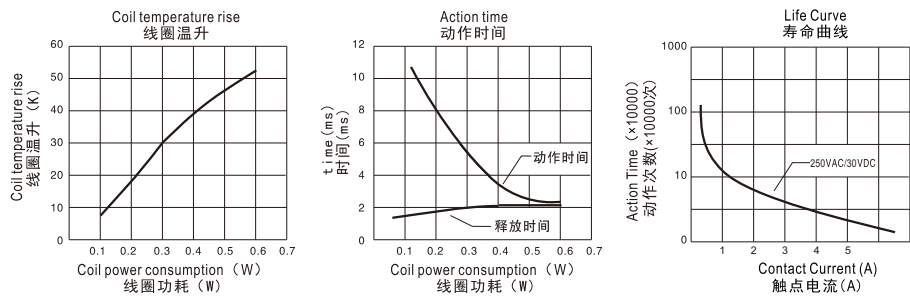
OUTLINE DIMENSIONS (UNIT:mm)外形尺寸（单位：mm）



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

PERFORMANCE CHART性能曲线图



TYPICAL USE典型用途

- Communication equipment, Office equipment, Household appliances, Audio equipment, Etc.
- 通讯设备，办公设备，家用电器，音响设备等。