



Signal Relay Series 信号继电器系列--JY4100F

FEATURES特点

- Up to 3A Amps ultra-small relay
最大可达3A超小型继电器
- Sealed type structure
密集型结构
- 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	50 mΩ 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:	AC1000V,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	122.00	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 0.36 W 约0.36W
5	71.43	70				
6	60.00	100				
9	40.00	223				
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				About 0.45 W 约0.45W
3	150.00	20				
5	90.00	55				
6	75.00	80				
9	50.00	180				
12	37.50	320				
24	18.75	1,280				

SAFETY STANDARD安规认证

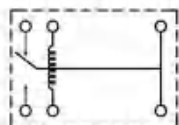
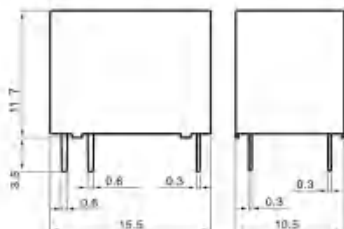
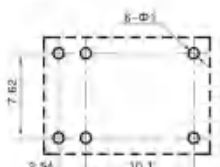
AuthType Basic认证类别	CQC	UL/C__UL
Authentication Load 认证负载	3A 250VAC	3A 250VAC/30VDC



ORDERING INFORMATION 订货标记

JY4100F-S-DC12V-C-L-(XXX)					
1	2	3	4	5	6
1. Model Number 基本型号: JY4100F			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		
2. Encapsulation form: S-Plastic Sealed, SH-Flux proofed 封装形式: S-塑封型 SH-防焊剂型			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		
3. Coil Voltage 线圈规格 (VDC): DC3V, DC5V, DC6V, DC9V, DC12V, DC24V					
4. Contact Form: C-1 Form C 触点形式: C-1组转换					

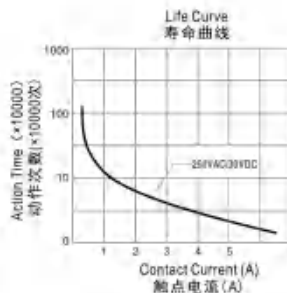
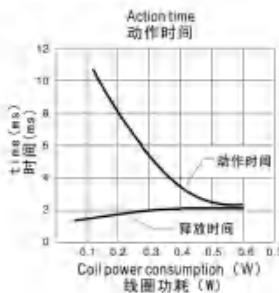
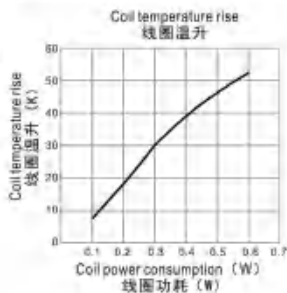
OUTLINE DIMENSIONS (UNIT:mm) 外形尺寸 (单位:mm)

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

Un dimensioned 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: $+0.1\text{mm}$ 2. 安装孔尺寸公差: $\pm 0.1\text{mm}$

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。