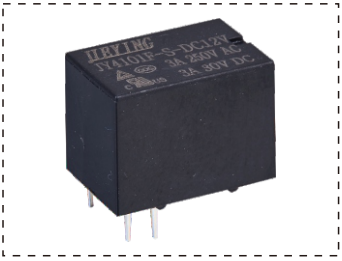
Signal Relay Series 信号继电器系列--JY4101F

FEATURES特点

- 3A Amps 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

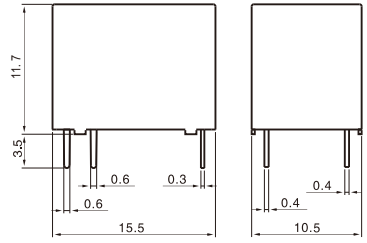
6.
负载电流:无-3A，1-1A, 5-5A

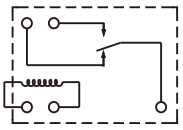
7. Customer Special Code :XXX-Customer Special Requirements
No - Standard Type
客户特性号: XXX-客户特殊要求，无-标准型

SAFETY STANDARD安规认证

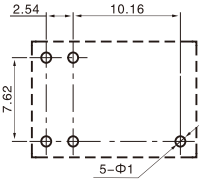
AuthType Basic认证类别	CQC	UL/C__UL
Authentication Load 认证负载	3A 250VAC	3A 250VAC/30VDC

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





Wiring diagram (bottom view)
接线图（底视图）



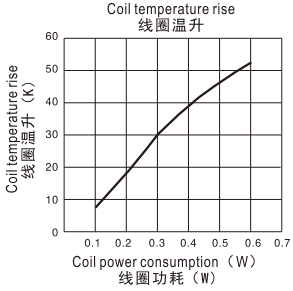
Mounting hole size (bottom view)
安装孔尺寸（底视图）

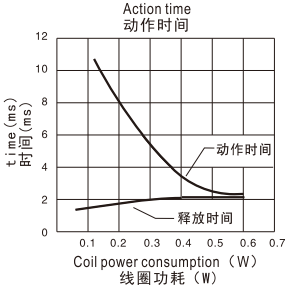
Undimensioned tolerance: ＜1mm：±0.2mm 1~5mm：±0.3mm ＞5mm：±0.4mm
未标注尺寸公差：＜1mm：±0.2mm 1~5mm：±0.3mm ＞5mm：±0.4mm

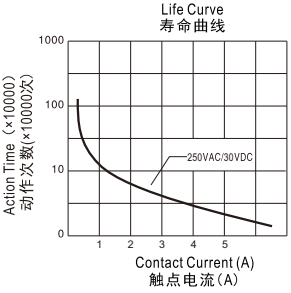
Note: 1.The size of the lead foot is pre welding dimension.
2.installation hole size tolerance: + 0.1mm

注：1、引出脚尺寸为预焊前尺寸
2、安装孔尺寸公差：±0. 1㎜

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。

Unikeyic Electronics

Global Electronic Components Distributor

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

JIEYING:

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