

继电器产品承认书

SPECIFICATION FOR APPROVAL

客户名称 Customer name: _____
产品名称 Product Description: 继电器 Relay _____
供方型号 Supplier Part No. SJS-SS-124LM _____
客户料号 Customer Material Code: _____
客户型号 Customer Part No.: _____
版 本 REV: _____
日 期 Date: 2019/1/03 _____

供应 厂商	制定	审核	批准
客户 确认	开发/工程 审核	品质部 审核	批准

一、基本特性 Basic characteristics

1、线圈参数 Coil specification

(1) 额定电压 Nominal voltage	DC 24V
(2) 线圈阻抗 Coil resistance	2880 Ω \pm 10% (at 23 \pm 5 $^{\circ}$ C)
(3) 额定电流 Rated current	DC 16.7mA \pm 10% (at 23 \pm 5 $^{\circ}$ C)
(4) 动作电压 Operate voltage	DC18V Max ((at 23 \pm 5 $^{\circ}$ C)
(5) 释放电压 Release voltage	DC2.4V Min ((at 23 \pm 5 $^{\circ}$ C)
(6) 最大电压 Maximum voltage	DC 31.2V(130% of nominal voltage)
(7) 线圈温升 Coil temperature rise	50K Max (Coil:12V)

2、触点参数 Contact Specification

(1) 触点型式 Contact configuration	SPST-NO (1 Form A)--单刀单掷 (一组常开)
(2) 触点额定负载 Contact rating	5A 250VAC/277VAC/30VDC (Resistive load)
(3) 接触电阻 Contact resistance	Initial (初始值) 100 m Ω Max (At DC6V 1A)
(4) 动作时间 Operate time	10ms Max
(5) 释放时间 Release time	8ms Max
(6) 最大动作频率 Maximum operating	Mechanically 18000 cycle/h (机械)

frequency

(7) 触点温升 Contact temperature rise	Electrically 1800 cycle/h (电气) 50K Max (Contact:10A)
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3、通用参数 General Specification

(1) 绝缘阻抗 Insulation resistance	1000M Ω Min (at DC500V)
(2) 电气强度 Dielectric strength	
触点间 between open contacts	750VAC,50/60 HZ for 1Minute
线圈与触点间 between contacts and coil	4000VAC,50/60 HZ for 1 Minute
(3) 环境温度 Ambient temperature	-40 $^{\circ}$ C \sim +85 $^{\circ}$ C (Not freezing and condensing at low temperature)
(4) 相对湿度 Relative Humidity	45% to 85% RH
(5) 电气寿命 Electrical life	100,000 Operations Min (at 5A 250VAC)
(6) 机械寿命 Mechanical life	10,000,000 operations Min

4、体系、安规认证和环保 Quality System、 Safety Certification and RoHS(REACH)

(1) UL certified	File NO. E481527;
(2) TUV certified	File No. B161294439001
(3) CQC certified	File No. CQC16002155737
(4) ISO9001:2008 certified	File No. U0016Q0450R0S

二、环境参数 Environmental Characteristics

1、抗振动性 Vibration resistance

1.1 误动作 Error operation

在 X、Y、Z 轴三个方向施加双振幅为 1.5mm，频率为 10-55HZ 的振动，时间 5 分钟，误动作时间不超过 1ms。

At constant vibration of double amplitude 1.5mm, 10 \sim 55 HZ , in each direction of X,Y,Z for 5

minutes. No error operation more than 1 ms.

1.2 耐久性 Endurance

在三个方向施加振动 2 小时，无结构损坏。

No construction trouble when vibrate it from 3 directions for 2 hours.(Amplitude 1.5mm, 10~55 HZ)

2、抗冲击性 Shock resistance

2.1 误动作 Error operation

在三个方向施加三次加速度为 100m/s^2 持续时间 11ms，误动作不超过 1ms。

At peak acceleration 100m/s^2 duration 11ms, 3 shocks is given in each direction of X, Y, Z. No error operation more than 1 ms.

2.2 耐久性 Endurance

三个方向三次加速度为 1000m/s^2 持续时间 6ms，无结构损坏。

No construction trouble when shock it from 3 directions 3 times at peak acceleration 1000m/s^2 duration 6ms.

3、耐寒性 Cold resistance

3.1 耐寒性 Cold resistance

放置于 $-40^\circ\text{C} \pm 2^\circ\text{C}$ 环境温度下 240 小时，然后在标准条件下放置 2 小时，结构和性能无异常。

No any trouble on construction or characteristic when leave relay in $-40^\circ\text{C} \pm 2^\circ\text{C}$ for 240h. After that, leave it in standard condition for 2 hours.

4、耐热性 Heat resistance

4.1 耐热性 Heat resistance

放置于 $+85^\circ\text{C} \pm 2^\circ\text{C}$ 环境温度下 240 小时，然后在标准条件下放置 2 小时，结构和性能无异常。

No any trouble on construction or characteristic when leave relay in $+85^\circ\text{C} \pm 2^\circ\text{C}$ for 240h. After that, leave it in standard condition for 2 hours.

5、耐湿性 Moisture resistance

5.1 放置于 40°C ，湿度 90% 环境下 240 小时，然后在标准条件下放置 2 小时，绝缘电阻最小 $10\text{M}\Omega$ ，结构和性能无异常。

After keeping relay for 240h in 40°C , 90%, then leave it in standard condition for 2 hours. Insulation resistance $10\text{M}\Omega$ Min. No any trouble on construction or characteristic.

三、端子性能 Terminal characteristics

1、端子强度 Terminal strength

在端子上施加 2N 压力 10 秒钟，无变形现象。

2N pushed into any terminals for 10 s. There shall be no abnormalities.

(The curving of the terminals shall be acceptable)

2、端子可焊性 Terminal solderability

端子浸入 $260 \pm 5^\circ\text{C}$ 焊锡槽中，时间 $5 \pm 0.5\text{ s}$ ，90% 部位应该上锡。

In case of lead free solder $260 \pm 5^\circ\text{C}$, $5 \pm 0.5\text{ s}$, 90% of the dipped portion shall be soldered.

3、耐焊接热 Soldering thermal

端子浸入 $260 \pm 5^\circ\text{C}$ 焊锡槽中，时间 $10 \pm 1\text{ s}$ ，结构和性能无异常。

No any trouble on construction or characteristic. When dipped into solder bath $260 \pm 5^\circ\text{C}$, $10 \pm 1\text{ s}$.

四、标准测试条件 Standard test condition

1、环境温度 Ambient temperature

$23 \pm 5^\circ\text{C}$

2、相对湿度 Relative humidity

25%~75%

3、气压 Air pressure

86kPa~106kPa

4、测试位置 Direction of Test

端子朝下位置 Terminals down position

五、储存条件 Storage condition

1、环境温度 Ambient temperature

-40°C~+85°C

2、相对湿度 Relative humidity

35%~85%

3、环境 Environment

3.1、不要储存在诸如硫化氢和盐雾气体等有腐蚀性的环境中。

Store in locations where the product or container is not expose to corrosive gas such as hydrogen sulfide or salty air.

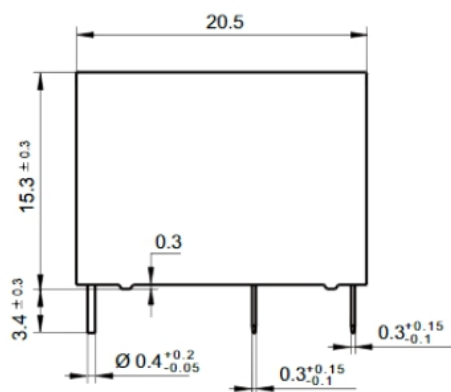
3.2、储存在没有可视尘埃的环境中。

Store in locations where no visible dust exists.

3.3、储存在没有直射阳光的环境中。

Store in locations not subject to direct sunlight.

六、外型图、线路板孔位图和线路图 Outline、PCB Layout and Wiring diagram(unit:mm)

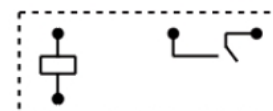
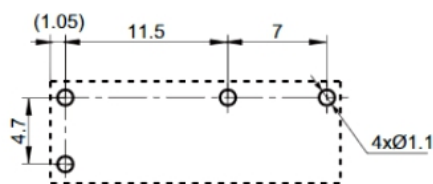


安装孔尺寸
(底视图)



(底视图)

接线图
(底视图)



七、包装信息 Packing Information

P/N	Inner packing	Carton Dimensions L×W×H (cm)	QTY (PCS) /carton	Net weight (Kg)	Gross weight (Kg)
SJS	100pcs/box	38 x 27.5 x 113	2000	8.5	9

八、命名规则 Encoding Information

SJS — SS X XX XX
1 2 3 4 5 6

1. 产品型号 Product type: SJS
2. 密封形式 Sealed form
SS-全密封（防水型）
3. 触点组数 Number of sets of contact
1-1 组触点
4. 线圈额定电压 Coil rated voltage
5-5V DC 12-12VDC 24-24VDC
5. 额定功率 Rated power
L-0.2W D-0.36W
6. 触点型式 Contact arrangement
M: 常开触点 B:常闭触点 无: 转换
7. 触点负载, V-8A 无-5A

注: 生产批号尾缀带 P 代表外壳是 PA66 外壳要求。