

FEATURES特点

- Control switch has enough insulation distance.
控制开关有足够绝缘距离
- Coil Insulation Class F
线圈绝缘符合F级标准
- Dielectric Strength between coil & contact 5,000VAC
线圈及接点间耐压5,000VAC
- Operating power 540mW.
动作功率为540mW
- Ambient Temperature can reach 105°C
环境温度可达105°C
- UL safety approval. UL 安规认证.



UL FILE NO.: E171095

用途：家用电器、自动化系统、电子设备、仪器、仪表、通讯装置和遥控设备。

CONTACT RATING 接点参数

Model Number 型号	122		1221	
Contact Form 接点形式	1A SPST-NO	1C SPDT	1A SPST-NO	1C SPDT
Max. Switching Power最大切换功率	4432VA	NO 4432VA NC 2216VA	2770VA	NO 2770VA NC 1385VA
Max. Switching Voltage最大切换电压	277VAC			
Max. Switching Current最大切换电流	16A	NO 16A/NC 8A	10A	NO 10A / NC 5A
Min. Switching Current / Voltage 最小切换电流 / 电压	100mA 5VDC			
Rating Load(Resistive)额定负载(阻性)	16A/277VAC	NO 16A/277VAC NC 8A/277VAC	10A/277VAC	NO 10A/277VAC NC 5A/277VAC
Contact Material接点材质	Ag Alloy银合金			

CHARACTERISTICS 性能参数

Electrical Life 电气寿命	1 × 10 ⁵	
Mechanical Life机械寿命	1 × 10 ⁷	
Insulation Resistance绝缘阻抗	Min. 1,000MΩ 500VDC	
Contact Resistance(Initial)接触电阻	≤ 100mΩ (6VDC 1A)	
Operate Time 动作时间	≤ 20ms	
Release Time 开放时间	≤ 10ms	
Initial Dielectric Strength 耐压	between open contacts开放触点间: 50/60Hz 1000VAC 1min.(122) between open contacts开放触点间: 50/60Hz 1500VAC 1min.(1221) between contacts and coil 接点线圈间: 50/60Hz 5000VAC 1min	
Vibration Resistance 耐振动	Malfuction: 误动作:	10 ~ 55Hz Double Amplitude双振幅 1.5mm
	Damage limits: 耐久:	10 ~ 55Hz Double Amplitude双振幅 1.5mm
Shock Resistance 耐冲击	Malfuction: 误动作:	10G
	Damage limits: 耐久:	100G
Ambient Temperature环境温度	-40°C ~ +105°C (No freezing 无结冰)	
Relative Humidity相对湿度	85% at 40°C	
Unit Weight单位重量	约Approx. 13g	

ORDERING INFORMATION 型号代码说明

122 H-1A-12 D S-F
 1 2 3 4 5 6 7

- | | |
|---|--|
| <p>1. Model Number 型号
 122 = Standard type 标准型 (16A)
 1221= Economic type 经济型 (10A)</p> <p>2. Coil Sensitivity 线圈感度
 Nil = Standard Type 标准型 (abt. 0.72W)
 H = High Sensitive Type 高感度型 (abt. 0.54W)</p> <p>3. Contact Arrangement 接点形式
 1A = 1 Form A 1组常开
 1C = 1 Form C 1组转换</p> | <p>4. Coil Voltage 线圈电压
 5、9、12、18、24VDC</p> <p>5. Coil Type 线圈形式
 D=DC直流</p> <p>6. Enclosure 密封形式
 S = Sealed Type 密封型</p> <p>7. Insulation Type 绝缘形式
 Nil = Class A
 F = Class F</p> |
|---|--|

COIL RATINGS (at 20°C) 线圈额定值 (在20°C)

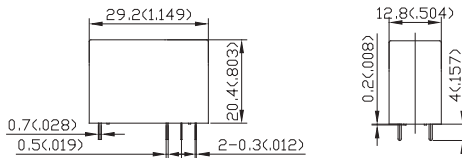
COIL TYPE 线圈形式	Coil Nominal Voltage 线圈额定电压 (V)	Coil Resistance 线圈阻抗 ($\Omega \pm 10\%$)	Pick-Up Voltage 动作电压(V) (Max)	Drop-Out Voltage 开放电压(V) (Min)	Nominal Current 额定电流 (mA)
DC Standard Coils 直流标准线圈 (abt. 0.72W)	5	36	3.75	0.25	138.9
	9	115	6.75	0.45	78.3
	12	200	9.00	0.6	60
	18	450	13.5	0.9	40
	24	820	18.00	1.2	29.3
DC High Sensitive Coils 直流高感度线圈 (abt. 0.54W)	5	46.3	3.75	0.25	108
	9	150	6.75	0.45	60
	12	267	9.00	0.6	44.9
	18	600	13.5	0.9	30
	24	1067	18.00	1.2	22.5

* Max Continuous Voltage at 20°C: 130% of Coil Normal Voltage.
 最大使用电压在20°C:线圈额定电压的130%

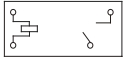
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

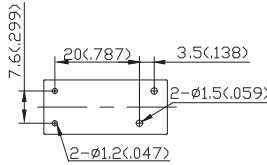
Dimensions尺寸



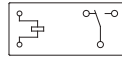
Internal Connections 接线图
(Bottom View 底视图)



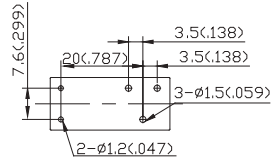
Drilling Plan 孔位图
(Bottom View 底视图)



Internal Connections 接线图
(Bottom View 底视图)



Drilling Plan 孔位图
(Bottom View 底视图)

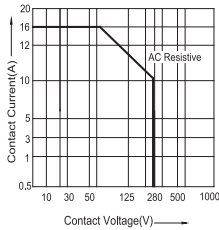


REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$
备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

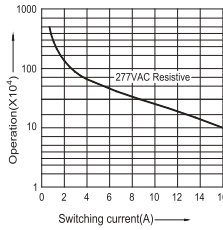
122 Reference Data 参考资料

122

Maximum Switching Power

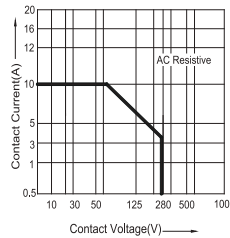


Life Curves

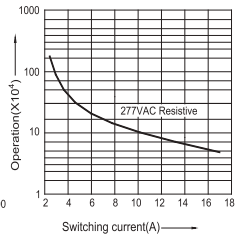


1221

Maximum Switching Power



Life Curves



SAFETY STANDARD 安规认证

SAFETY 安规名称	Coil Voltage 线圈电压	Contact Rated 接点额定值
UL	DC: 5V,9V,12V,18V,24V	1221: 10A 277VAC (1A) 1/4HP 250VAC (1A) NO 10A 277VAC NC 5A 277VAC (1C) 122: 16A 277VAC(1A) 1/3HP 250VAC (1A) NO 16A 277VAC NC 8A 277VAC (1C)
CQC		1221: 10A 277VAC (1A) NO 10A 277VAC NC 5A 277VAC (1C) 122: 16A 277VAC (1A) NO 16A 277VAC NC 8A 277VAC
TUV		1221: 10A 277VAC (1A) NO 10A 277VAC NC 5A 277VAC (1C) 122: 16A 277VAC (1A) NO 16A 277VAC NC 8A 277VAC

*CQC、TUV Application 申请中