

FEATURES特点

- High-capability small relay 大容量小型继电器
- Height is 15.7mm 高度为15.7毫米
- 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
- Clearance/Creepage distance coil-contact $\geq 8\text{mm}$ 线圈及接点的沿面及爬电距离为 $\geq 8\text{mm}$
- Operating power 400mW. 动作功率为400mW
- 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

CQC FILE NO.: CQC09002035166

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

Contact Form 接点形式	1A/1A-T SPST-NO	2A DPST-NO	1C/1C-T SPDT	2C DPDT
Max. Switching Power最大切换功率	4432VA	2216VA	NO 4432VA NC 2216VA	NO 2216VA NC 1108VA
Max. Switching Voltage最大切换电压	277VAC			
Max. Switching Current最大切换电流	16A	8A	NO 16A NC 8A	NO 8A NC 4A
Min. Switching Current / Voltage 最小开关电流 / 电压	100mA 5VDC			
Rating Load(Resistive)额定负载(阻性)	16A/277VAC	8A/277VAC	NO 16A 277VAC NC 8A 277VAC	NO 8A/277VAC NC 4A/277VAC
Contact Material接点材质	Ag Alloy银合金			

CHARACTERISTICS 性能参数

Electrical Life 电气寿命	1×10^6	
Mechanical Life机械寿命	1×10^7	
Insulation Resistance绝缘阻抗	Min. 1,000M Ω 500VDC	
Contact Resistance(Initial)接点电阻	$\leq 100\text{m}\Omega$	
Operate Time 动作时间	$\leq 10\text{ms}$	
Release Time 开放时间	$\leq 5\text{ms}$	
Initial Dielectric Strength 耐压	between open contacts开放触点间: 50/60Hz 1000VAC 1min. between contact sets接点组间: 50/60Hz 2500VAC 1min. 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	$-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$ (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

132-1A-12 D S-T-F 1 2 3 4 5 6 7	
<p>1. Model Number 型号 132 = 3.5mm used for 4 Pins / 5pins for one pole only & 5.0mm used for 6 Pins / 8Pins for two pole only) 1321= 5.0mm used for 4Pins / 5Pins for one pole only</p> <p>2. Contact Arrangement 接点形式 1A = 1 Form A 1组常开 1C = 1 Form C 1组转换 2A = 2 Form A 2组常开 2C = 2 Form C 2组转换</p> <p>3. Coil Voltage 线圈电压 5 ~ 24VDC</p>	<p>4. Coil Type 线圈形式 D=DC直流</p> <p>5. Enclosure密封形式 S = Sealed Type 密封型</p> <p>6. Terminal Type 端子形式 Nil = Standard Type 标准型(1A/1C/2A/2C) T = Two feet (6Pins/8Pins for one pole only) 双脚1组 6Pin(1A)/8Pin(1C)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. 0.4W)	5	62	3.75	0.5	80.6
	9	200	6.75	0.9	45.0
	12	360	9.00	1.2	33.3
	24	1440	18.00	2.4	16.7

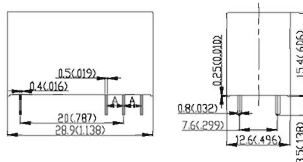
* Max Continuous Voltage at 20°C: 130% of Coil Nominal Voltage.

最大使用电压在20°C:线圈额定电压的130%

OUTLINE DIMENSIONS 外部尺寸

Dimensions尺寸

UNIT: mm(inch) 单位: 毫米(英寸)



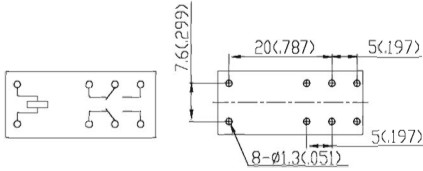
A:3.5(.138); 5.0(.197)

Internal Connections 接线图
(Bottom View 底视图)

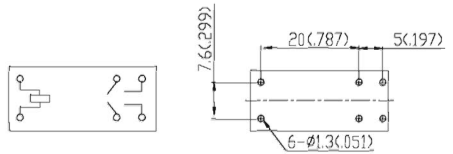
Drilling Plan 孔位图
(Bottom View 底视图)

Internal Connections 接线图
(Bottom View 底视图)

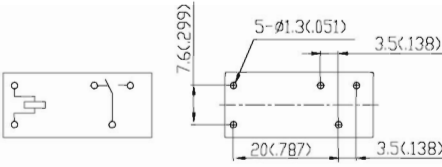
Drilling Plan 孔位图
(Bottom View 底视图)



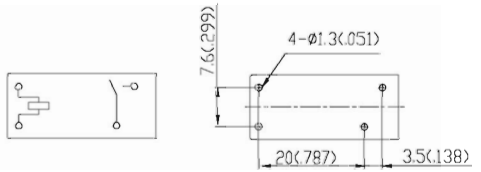
132-2C



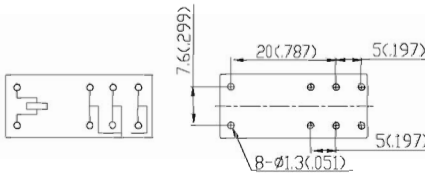
132-2A



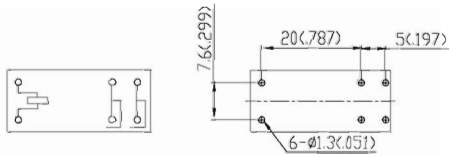
132-1C



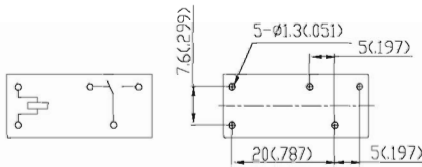
132-1A



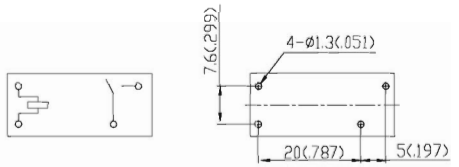
132-1C-T



132-1A-T



1321-1C



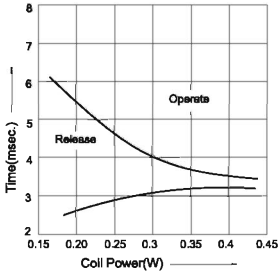
1321-1A

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 $+0.2\text{mm}$

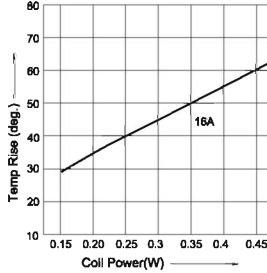
132 Reference Data 参考资料

1C /1A /1C-T /1A-T

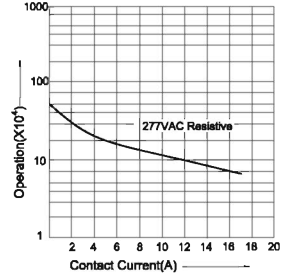
Timing



Coil Temperature Rise

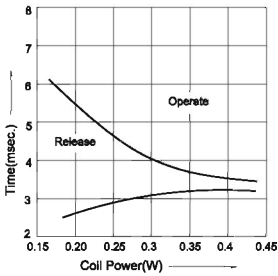


Life Curves

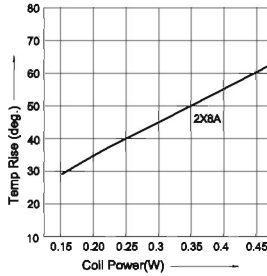


2C /2A

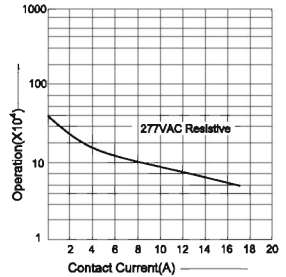
Timing



Coil Temperature Rise



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,6V,9V,12V,24V	(132/1321-1A) 16A 277VAC 1/2HP 120VAC
		(132/1321-1C) NO 16A 277VAC NC 8A 277VAC
		(132-2A) 8A 277VAC 1/4HP 120VAC
		(132-2C) NO 8A 277VAC NC 4A 277VAC

*CQC、TUV Application 申请中