

FEATURES特点

High-capability small relay 高容量小型继电器
 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 8mm
 线圈及接点的沿面及爬电距离为 8mm
 Operating power 400mW. 动作功率为400mW
 Ambient Temperature can reach 105
 环境温度可达105
 UL safety approval. UL 安规认证.



UL FILE NO.: E171095
 TUV FILE NO.: R50261244

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 最小切换电流 / 电压 | 100mA 5VDC | | | |
| Rating Load(Resistive)额定负载(阻性) | 16A/277VAC 1/2 HP 120VAC | 8A/277VAC 1/4 HP 120VAC | 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 ⁵ | |
| Mechanical Life机械寿命 | 1 × 10 ⁶ | |
| Insulation Resistance绝缘阻抗 | Min. 1,000M 500VDC | |
| Contact Resistance(Initial)接触电阻 | 100m (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. 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 ~ +105 (No freezing 无结冰) | |
| Relative Humidity相对湿度 | 85% at 40 | |
| 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、9、12、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> |
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COIL RATINGS (at 20) 线圈额定值 (在20)

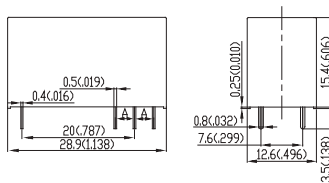
| COIL TYPE 线圈形式 | Coil Nominal Voltage 线圈额定电压 (V) | Coil Resistance 线圈阻抗 (± 10%) | Pick-Up Voltage 动作电压(V) (Max) | Drop-Out Voltage 开放电压(V) (Min) | Nominal Current 额定电流 (mA) |
|-----------------------------------------------|------------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------|
| DC Standard Coils 直流标准线圈 (abt. 0.4W) | 5 | 62 | 3.75 | 0.25 | 80.6 |
| | 9 | 200 | 6.75 | 0.45 | 45.0 |
| | 12 | 360 | 9.00 | 0.6 | 33.3 |
| | 24 | 1440 | 18.00 | 1.2 | 16.7 |

* Max Continuous Voltage at 20 : 130% of Coil Nominal Voltage.
 最大使用电压在20 : 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



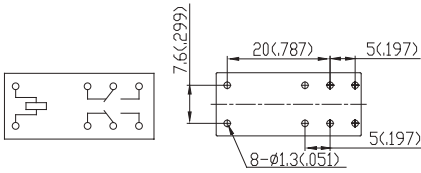
A:3.5(.138); 5.0(.197)

Internal Connections 接线图
(Bottom View 底视图)

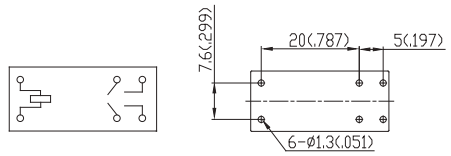
Drilling Plan 孔位图
(Bottom View 底视图)

Internal Connections 接线图
(Bottom View 底视图)

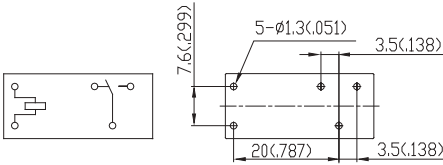
Drilling Plan 孔位图
(Bottom View 底视图)



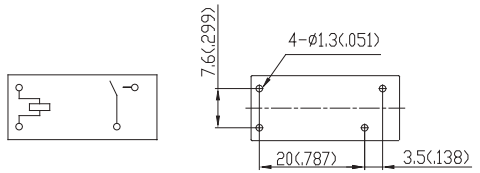
132-2C



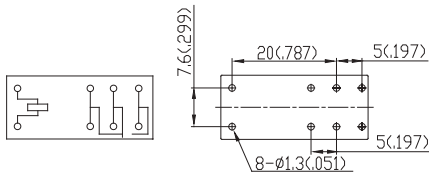
132-2A



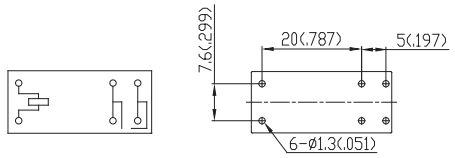
132-1C



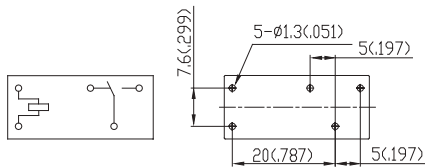
132-1A



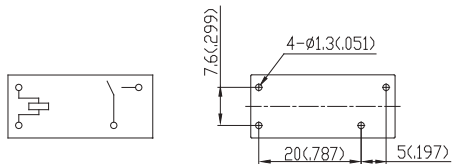
132-1C-T



132-1A-T



1321-1C



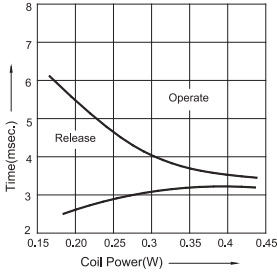
1321-1A

REMARK: Dimensions 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.2mm
备注: 尺寸公差 5mm ± 0.2mm, > 5mm ± 0.3mm, 印刷电路板孔+0.2mm

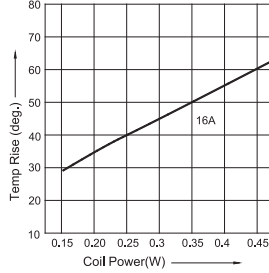
132 Reference Data 参考资料

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

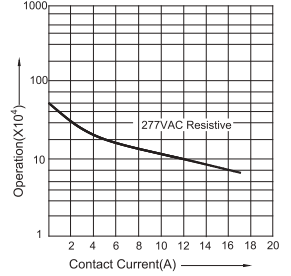
Timing



Coil Temperature Rise

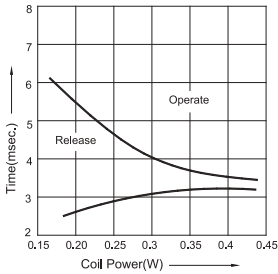


Life Curves

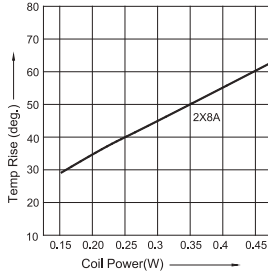


2C /2A

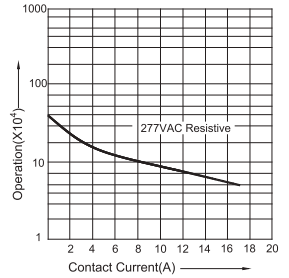
Timing



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 |
| TUV | DC: 5V,6V,9V,12V,24V | (132/1321-1A) 16A 277VAC (132/1321-1C) NO 16A 277VAC NC 8A 277VAC (132-2A) 8A 277VAC (132-2C) NO 8A 277VAC NC 4A 277VAC |

*CQC Application 申请中