

FEATURES特点

- 10A Power relay. 10A功率继电器
- UL ,CQC& TUV safety approval.
UL ,CQC及 TUV 安规认证.
- High dielectric strength.
高绝缘力度
- 4,000VAC between contacts and coil.
接点线圈间为4,000VAC
- Nominal power 200mW~450mW.
正常功率 200至450毫瓦特.
- Sensitive and standard coil available.
高感度型及标准型两种供选择.



UL FILE NO.: E162117
CQC FILE NO.: CQC02001001787
TUV FILE NO.: R50133604

CONTACT RATING 接点参数

| | | |
|--|---------------------------------------|-------------------------------------|
| Contact Form 接点形式 | 982 | 982H |
| Max. Switching Power最大切换功率 | 2770VA/300W | 1939VA/210W |
| Max. Switching Voltage最大切换电压 | 277VAC/30VDC | 277VAC/30VDC |
| Max. Switching Current最大切换电流 | 12A | 10A |
| Min. Switching Current /Voltage 最小开关电流/电压 | 100mA 5VDC | |
| Rating Load(Resistive)额定负载(阻性) | 12A 125VAC 10A 277VAC 10A 30VDC | 10A 125VAC 7A 277VAC 7A 30VDC |
| 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. 1,000MΩ 500VDC | |
| Contact Resistance(Initial)接点电阻 | ≤100mΩ | |
| Operate Time 动作时间 | ≤20ms | |
| Release Time 开放时间 | ≤10ms | |
| Initial Dielectric Strength 耐压 | between open contacts开放接点间: 50/60Hz 1000VAC 1min. between contacts and coil接点线圈间: 50/60Hz 4000VAC 1min(1A) between contacts and coil接点线圈间: 50/60Hz 3000VAC 1min(1C) | |
| 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℃ ~ +85℃ (No freezing 无结冰) | |
| Relative Humidity相对湿度 | 85% at 40℃ | |
| Unit Weight单位重量 | 约Approx. 7g | |



982系列继电器SERIES RELAY

ORDERING INFORMATION型号代码说明

| | |
|--|--|
| 982 H - 1A - 12 D S - F 1 2 3 4 5 6 7 | |
| 1. Model Number 型号 982 = Standard type 标准型 10A 2. Coil Sensitivity 线圈感度 Nil = Standard Type 标准型 (abt. 0.45W) H = High Sensitive Type 高感度型 (abt. 0.2W) 3. Contact Arrangement 接点形式 1A = 1 Form A 1组常开 1C = 1 Form C 1组转换 | 4. Coil Voltage 线圈电压 3 ~ 48VDC 5. Coil Type 线圈形式 D=DC 直流 6. Enclosure 密封形式 S = Sealed Type 密封型 7. Insulation Type 绝缘形式 Nil = Class A F = Class F |

COIL RATINGS (at 20°C) 线圈额定值 (在20°C)

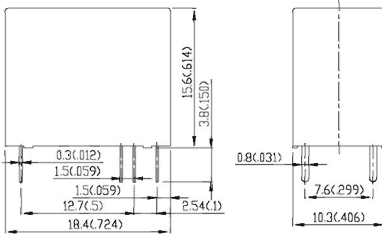
| COIL TYPE 线圈形式 | Coil Nominal Voltage 线圈额定电压 (V) | Coil Resistance 线圈阻抗 ($\Omega \pm 10\%$) | Pick-Up Voltage 动作电压(V) (Max) | Drop-Out Voltage 开放电压(V) (Min) | Nominal Current 额定电流 (mA) |
|---|------------------------------------|---|----------------------------------|-----------------------------------|------------------------------|
| DC Standard Coils 直流标准线圈 (abt. 0.45W) | 3 | 20 | 2.25 | 0.3 | 150 |
| | 5 | 55 | 3.75 | 0.5 | 91 |
| | 6 | 80 | 4.5 | 0.6 | 75 |
| | 9 | 180 | 6.75 | 0.9 | 50 |
| | 12 | 320 | 9 | 1.2 | 37.5 |
| | 24 | 1280 | 18 | 2.4 | 18.8 |
| | 48 | 5100 | 36 | 4.8 | 9.4 |
| DC High Sensitive Coils 直流高感度线圈 (abt. 0.2W) | 3 | 45 | 2.4 | 0.3 | 67 |
| | 5 | 125 | 4 | 0.5 | 40 |
| | 6 | 180 | 4.8 | 0.6 | 33.3 |
| | 9 | 400 | 7.2 | 0.9 | 22.5 |
| | 12 | 720 | 9.6 | 1.2 | 16.7 |
| | 24 | 2800 | 19.2 | 2.4 | 8.6 |
| | 48 | 11520 | 38.4 | 4.8 | 4.2 |

* 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%

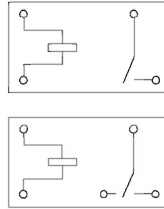
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

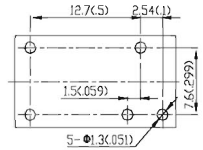
Dimensions尺寸



Internal Connections接线图
(Bottom View底视图)



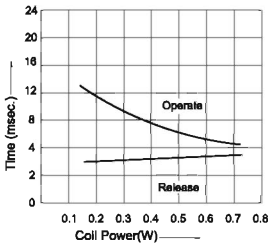
Drilling Plan孔位图
(Bottom View底视图)



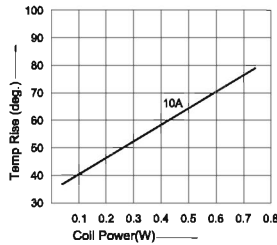
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$
备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

982 Reference Data 参考资料

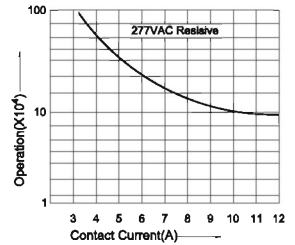
Timing



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 |
|-------------|-----------------------------|---|
| CQC | DC: 5V,9V,12V,24V | (982-1A) 10A 250VAC (982H-1A) 7A 250VAC (982-1C) 5A 250VAC |
| UL | DC: 3V~48V | (982-1C) 5A 277VAC 3A 30VDC (982-1A) 12A 125VAC 10A 277VAC 10A 30VDC (982H-1A) 7A 277VAC 7A 30VDC 10A 125VAC |
| TUV | DC: 3V,5V,6V,9V,12V,24V,48V | (982-1C) 5A 250VAC 5A 30VDC (982-1A) 10A 250VAC (982H-1A) 7A 250VAC 5A 30VDC |