

FEATURES特点

- 10Amps Power relay. 10安培功率继电器
- 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 最小切换电流/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 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	

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、5、6、9、12、24、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

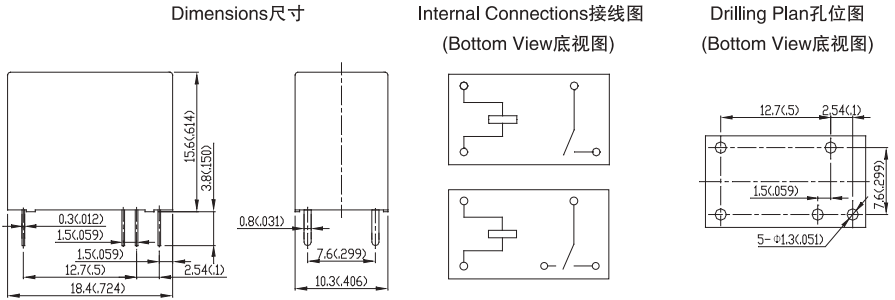
COIL RATINGS (at 20°C) 线圈额定值 (在20°C)

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
DC High Sensitive Coils 直流高感度线圈 (abt. 0.2W)	48	5100	36	4.8	9.4
	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%

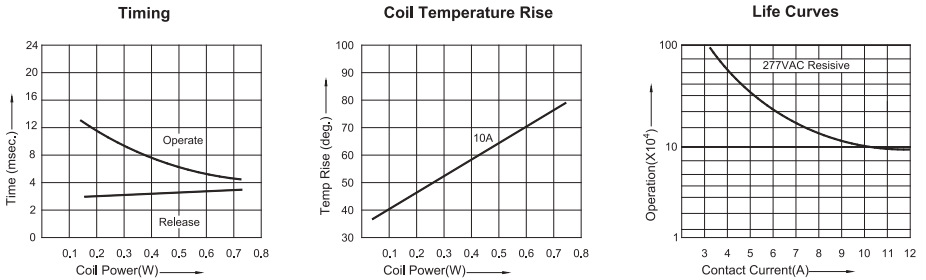
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)



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



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 FLA 5A/120VAC LRA 30A/120VAC FLA 1.5A/277VAC LRA 5A/277VAC
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