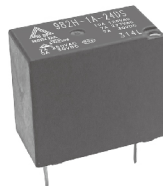


特点 FEATURES

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



用途举例 USE EXAMPLES

家用电器、自动化系统、
电子设备、仪器仪表等

接点参数 CONTACT RATING

接点形式 Contact Form	982-1A	982-1C	982H-1A
最大切换功率 Max. Switching Power	2770VA/300W	1385VA/90W	1939VA/210W
最大切换电压 Max. Switching Voltage	277VAC/30VDC		
最大切换电流 Max. Switching Current	12A	5A	10A
最小切换电流/电压 Min. Switching Current /Voltage	100mA 5VDC		
额定负载(阻性) Rating Load(Resistive)	12A 125VAC 10A 277VAC 10A 30VDC	NO:5A 277VAC 3A 30VDC NC:3A 277VAC 3A 30VDC	10A 125VAC 7A 277VAC 7A 30VDC
接点材质 Contact Material	银合金 Ag Alloy		

性能参数 CHARACTERISTICS

电气寿命 Electrical Life	1×10 ⁵	
机械寿命 Mechanical Life	1×10 ⁷	
绝缘阻抗 Insulation Resistance	Min. 1,000MΩ 500VDC	
接触电阻 Contact Resistance(Initial)	≤100mΩ (6VDC 1A)	
动作时间 Operate Time	≤20ms	
开放时间 Release Time	≤10ms	
耐压 Initial Dielectric Strength	开放接点间 between open contacts: 50/60Hz 1000VAC 1min. 接点线圈间 between contacts and coil: 50/60Hz 4000VAC 1min.(982-1A) 接点线圈间 between contacts and coil: 50/60Hz 3000VAC 1min.(982-1C) 接点线圈间 between contacts and coil: 50/60Hz 2500VAC 1min.(982H-1A)	
耐振动 Vibration Resistance	误动作: Functional:	10~55Hz 双振幅 Double Amplitude 1.5mm
	耐久: Destructive:	10~55Hz 双振幅 Double Amplitude 1.5mm
耐冲击 Shock Resistance	误动作: Functional:	10G
	耐久: Destructive:	100G
环境温度 Ambient Temperature	-40℃~+85℃ (无结冰 No freezing)	
相对湿度 Relative Humidity	85% at 40℃	
单位重量 Unit Weight	约Approx.7g	

型号代码说明 ORDERING INFORMATION

1. 型号 Model Number 标准型 10A 982 = Standard Type	982	H	1A	12	D	S	F
2. 线圈感度 Coil Sensitivity 标准型 (abt. 0.45W) Nil = Standard Type 高感度型 (abt. 0.2W) H = High Sensitivity Type							
3. 接点形式 Contact Arrangement 1组常开 1A = 1 Form A 1组转换 1C = 1 Form C							
4. 线圈电压 Coil Voltage 3、5、6、9、12、24、48VDC							
5. 线圈形式 Coil Type 直流 D=DC							
6. 密封形式 Enclosure 密封型 S = Sealed Type							
7. 绝缘形式 Insulation Type Nil = Class A F = Class F							

线圈额定值 (在20℃) COIL RATINGS (AT 20℃)

线圈形式 Coil Type	线圈额定电压 (V) Coil Nominal Voltage	线圈阻抗 (Ω±10%) Coil Resistance	动作电压(V) (Max) Pick-Up Voltage	开放电压(V) (Min) Drop-Out Voltage	额定电流 (mA) Nominal Current
直流标准线圈 (abt. 0.45W) DC Standard Coils	3	20	2.25	0.15	150
	5	55	3.75	0.25	91
	6	80	4.5	0.3	75
	9	180	6.75	0.45	50
	12	320	9	0.6	37.5
	24	1280	18	1.2	18.8
	48	5100	36	2.4	9.4
直流高感度线圈 (abt. 0.2W) DC High Sensitivity Coils	3	45	2.4	0.15	67
	5	125	4	0.25	40
	6	180	4.8	0.3	33.3
	9	400	7.2	0.45	22.5
	12	720	9.6	0.6	16.7
	24	2800	19.2	1.2	8.6
	48	11520	38.4	2.4	4.2

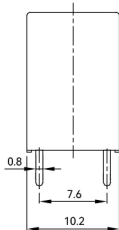
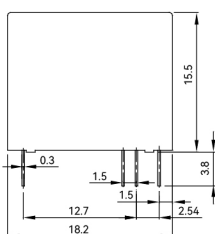
* 最大使用电压在20℃:线圈额定电压的130%

Max Continuous Voltage at 20℃:130% of Coil Normal Voltage

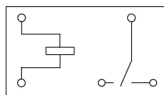
外部尺寸 OUTLINE DIMENSIONS

单位: 毫米 UNIT: mm

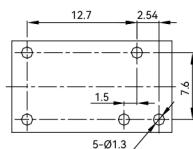
尺寸 Dimensions



接线图 Internal Connections
(底视图 Bottom View)



孔位图 PCB Layout
(底视图 Bottom View)

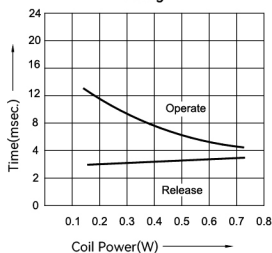


备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

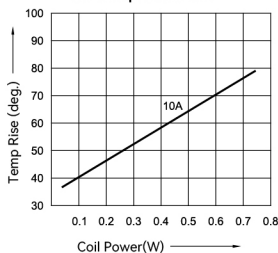
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$

参考资料 982 REFERENCE DATA

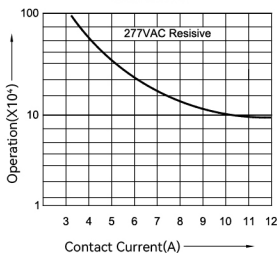
Timing



Coil Temperature Rise



Life Curves



安规认证 SAFETY STANDARD

安规名称 Approval	线圈电压 Coil Voltage	接点额定值 Contact Rating
UL FILE NO.: E162117	DC:3V ~ 48V	(982-1C) NO: 5A 277VAC 3A 30VDC NC: 3A 277VAC 3A 30VDC (982-1A) 12A 125VAC 10A 277VAC 10A 30VDC FLA 5A/120VAC LRA 30A/120VAC FLA 1.5A/277VAC LRA 5A/277VAC (982H-1A) 7A 277VAC 7A 30VDC 10A 125VAC FLA 5A/120VAC LRA 30A/120VAC FLA 1.5A/277VAC LRA 5A/277VAC
TUV FILE NO.: R50133604	DC:3V,5V,6V,9V,12V,24V,48V	(982-1C) 5A 250VAC 5A 30VDC (982-1A) 10A 250VAC (982H-1A) 7A 250VAC 5A 30VDC
CQC FILE NO.: CQC02001001787	DC:5V,9V,12V,24V	(982-1A) 10A 250VAC (982H-1A) 7A 250VAC (982-1C) 5A 250VAC