

特点 FEATURES

- UL, TUV及CQC安规认证
UL, TUV&CQC safety approval.
- 正常功率为200 毫瓦特
Nominal power 200mW.
- 大电流可达20安培
Heavy current up to 20 Amps.
- 外观较矮
Low shape.
- DIL 型端子
DIL pitch terminal.



用途举例 USE EXAMPLES

电熨斗、电饭煲、咖啡壶

接点参数 CONTACT RATING

接点形式 Contact Form	1A SPST-NO
最大切换功率 Max. Switching Power	5540VA
最大切换电压 Max. Switching Voltage	277VAC
最大切换电流 Max. Switching Current	20A
最小切换电流 / 电压 Min. Switching Current / Voltage	100mA 5VDC
电机负载 Motor load	1/2 HP 240VAC
额定负载(阻性) Rating Load(Resistive)	20A/277VAC 10A/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 ⁶	
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 2000VAC 1min.	
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℃~+105℃ (无结冰 No freezing)	
相对湿度 Relative Humidity	85% at 40℃	
单位重量 Unit Weight	约Approx.8g	

型号代码说明 ORDERING INFORMATION

1. 型号 Model Number	945	1A	12	D	S	F
2. 接点形式 Contact Arrangement 1组常开 1A = 1 Form A						
3. 线圈电压 Coil Voltage 5、9、12、24VDC						
4. 线圈形式 Coil Type 直流 D=DC						
5. 密封形式 Enclosure 密封型 S = Sealed Type						
6. 绝缘形式 Type of Insulation A级 Nil = Class A F级 F = Class F						

线圈额定值 (在20°C) COIL RATINGS (AT 20°C)

线圈形式 Coil Type	线圈额定电压 (V) Coil Nominal Voltage	线圈阻抗 ($\Omega \pm 10\%$) 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. 0.2W) DC Standard Coils	5	125	3.75	0.25	40
	9	405	6.75	0.45	22.2
	12	720	9.00	0.6	16.7
	24	2880	18.00	1.2	8.3

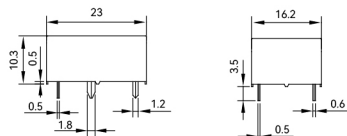
* 最大使用电压在20°C:线圈额定电压的130%

Max Continuous Voltage at 20°C:130% of Coil Normal Voltage

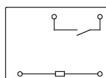
外部尺寸 OUTLINE DIMENSIONS

单位: 毫米 UNIT: mm

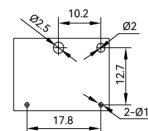
尺寸 Dimensions



接线图 Internal Connections
(底视图 Bottom View)



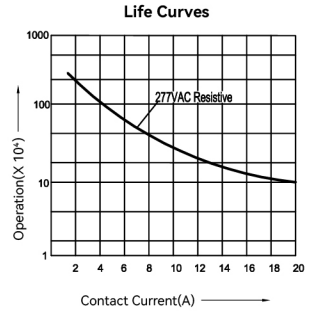
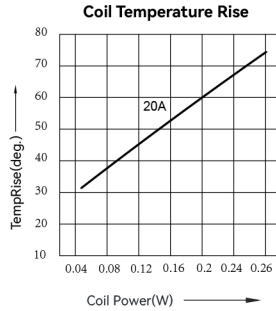
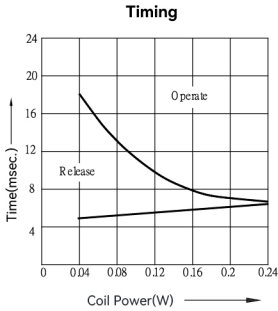
孔位图 PCB Layout
(底视图 Bottom View)



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 945 REFERENCE DATA



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.: E171095	DC:5V ~ 48V	20A 277VAC 18A 277VAC 16A 277VAC 18A 125VAC 10A 30VDC TV-8 120VAC 1/2HP 240VAC
TUV FILE NO.: R50526651	DC:5V,9V,12V,24V,48V	20A 277VAC 18A 277VAC 10A 30VDC
CQC FILE NO.:CQC23002413186	DC:5V,6V,9V,12V,24V,48V	20A/18A/16A/15A 277VAC/250VAC/240VAC/125VAC/120VAC 10A 30VDC