

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200mW~450mW.
- Sensitive and standard coil available.
高感度型及标准型两种供选择.



UL FILE NO.:E171095

CQC FILE NO.:

TUV FILE NO.:

CONTACT RATING 接点参数

Contact Form 接点型式	1A SPST-NO
Max. Switching Power最大切换功率	2500VA
Max. Switching Voltage最大切换电压	277VAC
Max. Switching Current最大切换电流	10A
Min. Switching Current/Voltage 最小切换电流/电压	100mA 5VDC
Rating Load(Resistive)额定负载(阻性)	10A 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 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	
Vibration Resistance 耐振动	Malfunction: 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	Malfunction: 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

133 H - 1A - 12 D S - F 1 2 3 4 5 6 7	
1. Model Number 型号 133 = Standard type 标准型 10A 1331 = Economic type 经济型 5A 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	4. Coil Voltage 线圈电压 5 ~ 24VDC 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)	5	55	3.75	0.5	89
	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)	5	125	3.75	0.5	40
	9	405	6.75	0.9	22.2
	12	720	9	1.2	16.7
	24	2800	18	2.4	8.3

* Max Continuous Voltage at 20°C: 130% of Coil Nominal Voltage.
 最大使用电压在20°C: 线圈额定电压的130%

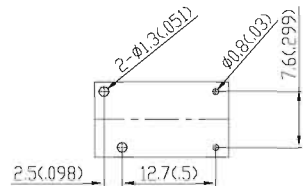
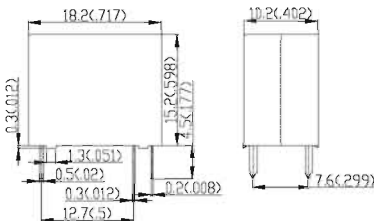
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

Dimensions 尺寸

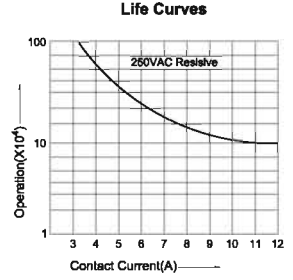
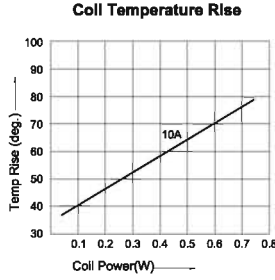
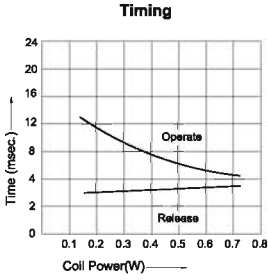
Internal Connections 接线图
(Bottom View 底视图)

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 $+0.2\text{mm}$

133 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
UL	DC: 5V~24V	(133) 10A 250VAC 1/3HP 240VAC 5A 30VDC (133H/1331/1331H) 5A 250VAC 5A 30VDC 3A 30VDC 1/4HP 240VAC
CQC	DC: 5V~24V	(133) 10A 250VAC (133H/1331/1331H) 5A 250VAC
TUV	DC: 5V~24V	(133) 10A 250VAC (133H/1331/1331H) 5A 250VAC

*CQC、TUV Application 申请中