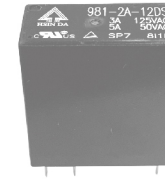
981-2A系列继电器SERIES RELAY

特点 FEATURES

- **UL和TUV安规认证**
  UL and TUV safety approval.
- **薄型二组常开型继电器**
  Slim DPST-NO relay.
- **十字交叉排列接点,提供高度可靠性能**
  Single-Crossbar contact for high reliability.
- **阻性负载为5A 125VAC**
  Capacity 5A 125VAC resistive load.
- **6.0mm 线圈和接点间绝缘距离**
  6.0mm insulation distance between coil and contacts.
- **正常功耗为540毫瓦特**
  Nominal power 540mW.



用途举例 USE EXAMPLES

音响喇叭

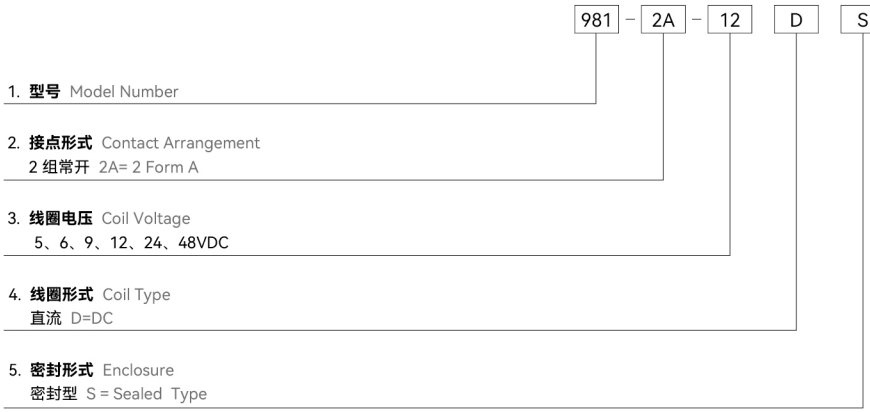
接点参数 CONTACT RATING

接点形式 Contact Form	2A DPST-NO
最大切换功率 Max. Switching Power	625VA 150W
最大切换电压 Max. Switching Voltage	125VAC 30VDC
最大切换电流 Max. Switching Current	8A
最小切换电流/电压 Min. Switching Current /Voltage	1mA 100mV
额定负载(阻性) Rating Load(Resistive)	5A/30VDC、 5A/125VAC 、8A/50VAC
接点材质 Contact Material	银合金镀金 Au+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. 1000MΩ 500VDC	
接触电阻 Contact Resistance(Initial)	≤100mΩ（6VDC 100mA）	
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.	
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 20℃	
单位重量 Unit Weight	Approx.15g	

型号代码说明 ORDERING INFORMATION



线圈额定值 (在20℃) COIL RATINGS (AT 20℃)

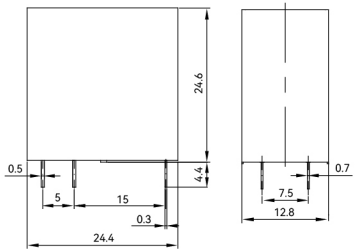
线圈形式 Coil Type	线圈额定电压 (V) Coil Nominal Voltage	线圈阻抗 (Ω±10%) Coil Resistance	动作电压(V) (Max) Pick-Up Voltage	开放电压(V) (Min) Drop-Out Voltage	额定电流 (mA) Nominal Current
直流标准线圈 (abt. 0.54W) DC Standard Coils	3	17	2.25	0.3	176.4
	5	47	3.75	0.5	106.4
	6	68	4.5	0.6	88.3
	9	155	6.75	0.9	58
	12	270	9	1.2	44.4
	24	1100	18	2.4	21.8
	48	4400	36	4.8	10.9

* 最大使用电压在20℃:线圈额定电压的110%
Max Continuous Voltage at 20℃:110% of Coil Normal Voltage

外部尺寸 OUTLINE DIMENSIONS

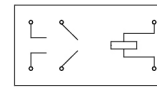
单位: 毫米 UNIT: mm

尺寸 Dimensions



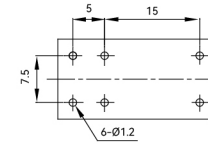
接线图 Internal Connections

(底视图 Bottom View)



孔位图 PCB Layout

(底视图 Bottom View)

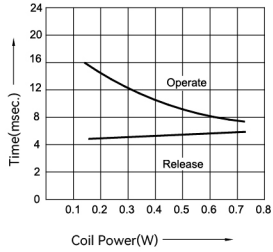


备注: 尺寸公差≤5mm±0.2mm， > 5mm±0.3mm，印刷电路板孔+0.2mm

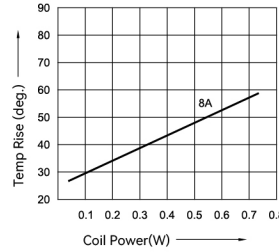
REMARK: Dimensions≤5mm±0.2mm， > 5mm±0.3mm，the tolerance of PCB thru hole: +0.2mm

参考资料 981 REFERENCE DATA

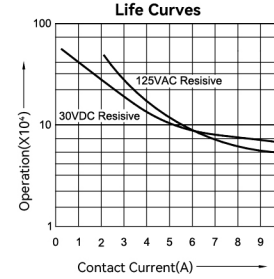
Timing



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	5A 125VAC 8A 50VAC 5A 30VDC
TUV FILE NO.:R50406281	DC:3V,5V,9V,12V,24V,48V	5A 125VAC 8A 50VAC 5A 30VDC