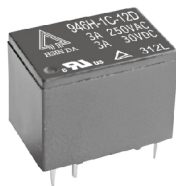


特点 FEATURES

- **UL和TUV安规认证**
UL and TUV safety approval.
- **包括标准型及高敏感度型**
Standard type & High sensitivity type available.
- **3安培1组转换接点超小型继电器**
3 Amps 1 Form C (SPDT) contact super miniature relay.
- **正常功率200mW~360mW**
Nominal power 200mW~360mW.
- **动作功率110mW~200mW**
Operating power 110mW~200mW.
- **DIL 型端子**
DIL pitch terminal.
- **可清洗型 (不建议用超声波清洗)**
Washable Type (ultrasonic cleaning is not recommended).
- **可提供符合IEC 60730-1/IEC 60335-1标准的产品**
Products in accordance to IEC 60730-1/IEC 60335-1 standards .



用途举例

通讯设备、办公设备、家用电器等

接点参数 CONTACT RATING

接点形式 Contact Form	1C SPDT
最大切换功率 Max. Switching Power	750VA 90W
最大切换电压 Max. Switching Voltage	250VAC 30VDC
最大切换电流 Max. Switching Current	3A
最小切换电流/电压 Min. Switching Current/Voltage	1mA 100mV
额定负载(阻性) Rating Load(Resistive)	3A/250VAC 3A/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 (3A/250VAC 3A/30VDC & 85°C 5×10 ⁴)	
机械寿命 Mechanical Life	1×10 ⁷	
绝缘阻抗 Insulation Resistance	Min. 100MΩ 500VDC	
接触电阻 Contact Resistance(Initial)	≤100mΩ (6VDC 100mA)	
动作时间 Operate Time	≤6ms	
开放时间 Release Time	≤3ms	
耐压 Initial Dielectric Strength	开放接点间 between open contacts: 50/60Hz 500VAC 1min. 接点线圈间 between contacts and coil: 50/60Hz 1000VAC 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°C~+85°C (无结冰 No freezing)	
相对湿度 Relative Humidity	85% at 40°C	
单位重量 Unit Weight	约Approx.3g	

型号代码说明 ORDERING INFORMATION

946 H - 1C - 12 D - F

1. 型号 Model Number

2. 线圈感度 Coil Sensitivity

标准型 (约 0.36W) Nil =Standard Type

高感度型 (约 0.2W) H =High Sensitivity Type

3. 接点形式 Contact Arrangement

1组转换 1C = 1 Form C

4. 线圈电压 Coil Voltage

3、5、6、9、12、24VDC

5. 线圈形式 Coil Type

直流 D=DC

6. 端子形式 Terminal Arrangement

一般型 Nil=General Type

可动接点端子及线圈端子在同一侧 F = Movable contact terminal & coil terminal at one side

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
直流标准型线圈 (abt. 0.36W) DC Standard Coils	3	25	2.25	0.3	120
	5	70	3.75	0.5	71.4
	6	100	4.5	0.6	60
	9	220	6.75	0.9	40.9
	12	400	9	1.2	30
	24	1600	18	2.4	15
直流高感度型线圈 (abt. 0.2W) DC High Sensitivity Coils	3	45	2.25	0.3	66.7
	5	125	3.75	0.5	40
	6	180	4.5	0.6	33.3
	9	405	6.75	0.9	22.2
	12	720	9	1.2	16.7
	24	2880	18	2.4	8.3

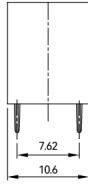
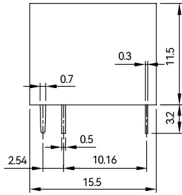
* 最大使用电压在20°C:线圈额定电压的130%

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

外部尺寸 OUTLINE DIMENSIONS

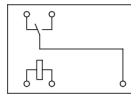
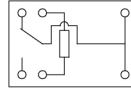
单位: 毫米 UNIT: mm

尺寸 Dimensions



接线图 Internal Connections

(底视图 Bottom View)

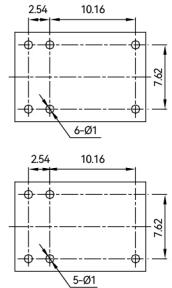


General Type

F Type

孔位图 PCB Layout

(底视图 Bottom View)

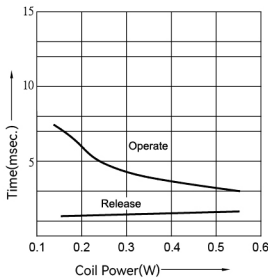


备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

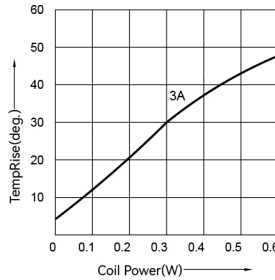
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$

参考资料 946 REFERENCE DATA

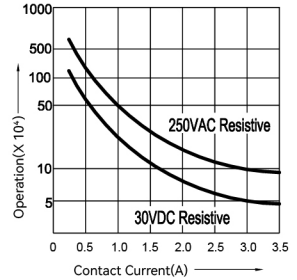
Timing



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:5V ~ 24V	1A 125VAC 2A 30VDC 3A 250VAC 3A 30VDC
TUV FILE NO.:R50515764	DC:5V,6V,9V,12V,24V	3A 250VAC 3A 30VDC