

FEATURES特点

- UL safety approval.
UL 安规认证
- Standard type & High sensitivity type available.
包括标准型及高感度型
- 2 Amps 1 Form C (SPDT) contact super miniature relay.
2安培1组转换接点超小型继电器
- Nominal power 200mW ~ 360mW.
正常功率200mW ~ 360mW
- Operating power 110mW ~ 200mW.
动作功率 110mW ~ 200mW.
- DIL pitch terminal.
DIL 型端子
- Washable Type (ultrasonic cleaning is not recommended)
可清洗型 (不建议用超声波清洗)



UL FILE NO.: E162117

用途：通讯设备、办公设备、家用电器等

CONTACT RATING 接点参数

| | |
|---|--------------------|
| Contact Form接点形式 | 1C SPDT |
| Max. Switching Power最大切换功率 | 125VA 60W |
| Max. Switching Voltage最大切换电压 | 125VAC 30VDC |
| Max. Switching Current最大切换电流 | 2A |
| Min. Switching Current/Voltage最小切换电流/电压 | 100mV 1mA |
| Rating Load(Resistive)额定负载(阻性) | 1A/125VAC 2A/30VDC |
| Contact Material 接点材质 | Ag Alloy银合金 |

CHARACTERISTICS 性能参数

| | | |
|---------------------------------|--|-------------------------------------|
| Electrical Life 电气寿命 | 1 × 10 ⁵ | |
| Mechanical Life机械寿命 | 1 × 10 ⁷ | |
| Insulation Resistance绝缘阻抗 | Min. 100MΩ 500VDC | |
| Contact Resistance(Initial)接触电阻 | ≤ 100mΩ (6VDC 100mA) | |
| Operate Time 动作时间 | ≤ 6ms | |
| Release Time 开放时间 | ≤ 3ms | |
| Initial Dielectric Strength 耐压 | between open contacts 开放接点间: 50/60Hz 500VAC 1min. between contacts and coil 接点线圈间: 50/60Hz 500VAC 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 | -30°C ~ +70°C (No freezing 无结冰) | |
| Relative Humidity相对湿度 | 85% at 40°C | |
| Unit Weight单位重量 | 约Approx. 3g | |

ORDERING INFORMATION 型号代码说明

| | |
|---|--|
| 946 H - 1C - 12 - D - F 1 2 3 4 5 6 | |
| 1. Model Number 型号 2. Coil Sensitivity 线圈感度 Nil = Standard Type 标准型 (约 0.36W) H = High Sensitive Type 高感度型 (约 0.2W) 3. Contact Arrangement 接点形式 1C = 1 Form C 1组转换 4. Coil Voltage 线圈电压 3、5、6、9、12、24VDC | 5. Coil Type 线圈形式 D=DC 直流 6. Terminal Arrangement 端子形式 Nil=General Type 一般型 F = Movable contact terminal & coil terminal at one side 可动接点端子及线圈端子在同一侧 |

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 直流标准型线圈 (abt. 0.36W) | 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 |
| DC High Sensitive Coils 直流高感度型线圈 (abt. 0.2W) | 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 |

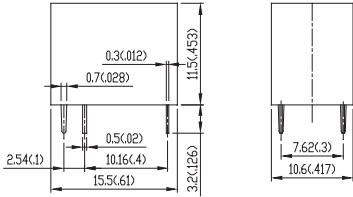
* Max Continuous Voltage at 20°C: 130% of Coil Normal Voltage.

最大使用电压在20°C:线圈额定电压的130%

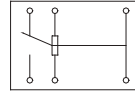
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

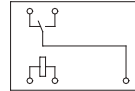
Dimensions尺寸



Internal Connections接线图
(Bottom View底视图)

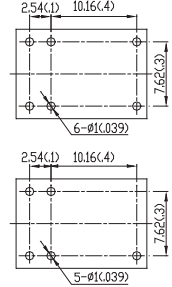


General Type



F Type

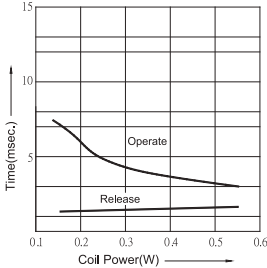
Drilling Plan孔位图
(Bottom View底视图)



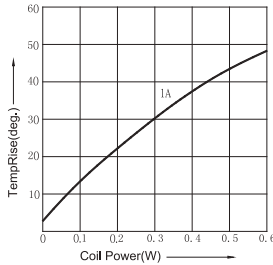
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$
备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

946 Reference Data 参考资料

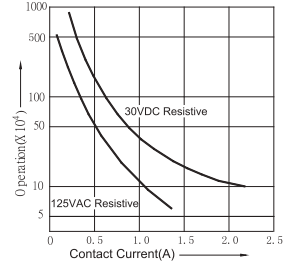
Timing



Coil Temperature Rise



Life Curves



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 | 1A 125VAC 2A 30VDC |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [Hsin Da](#) manufacturer:

Other Similar products are found below :

[PCN-105D3MH,000](#) [59641F200](#) [5JO-1000CD-SIL](#) [5X827E](#) [5X837F](#) [5X840F](#) [5X842F](#) [5X848E](#) [LY2N-AC120](#) [LY2S-AC220/240](#) [LY2-US-AC120](#) [LY2-US-DC24](#) [LY3-US-AC120](#) [LY4F-UA-DC12](#) [LY4F-UA-DC24](#) [LY4F-US-AC120](#) [LY4F-US-AC240](#) [LY4F-US-DC24](#) [LY4F-VD-AC110](#) [LYQ20DC12](#) [M115C60](#) [M115N010](#) [M115N0150](#) [603-12D](#) [60HE1-5DC](#) [60HE2S-12DC](#) [61211T0B4](#) [61212T400](#) [61222Q400](#) [61243B600](#) [61243C500](#) [61243Q400](#) [61311BOA2](#) [61311BOA6](#) [61311BOA8](#) [61311C0A2](#) [61311COA1](#) [61311COA6](#) [61311F0A2](#) [61311QOA1](#) [61311QOA4](#) [61311T0D6](#) [61311TOA6](#) [61311TOA7](#) [61311TOB3](#) [61311TOB4](#) [61311U0A6](#) [61312Q600](#) [61312T400](#) [61312T600](#)