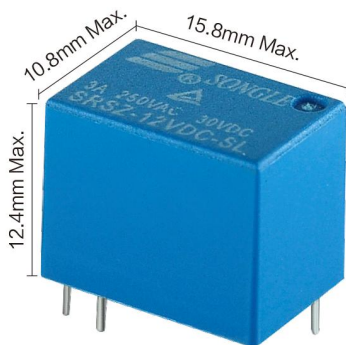


超小型信号继电器 Subminiature Signal Relay

1A/3A

特性 / FEATURES

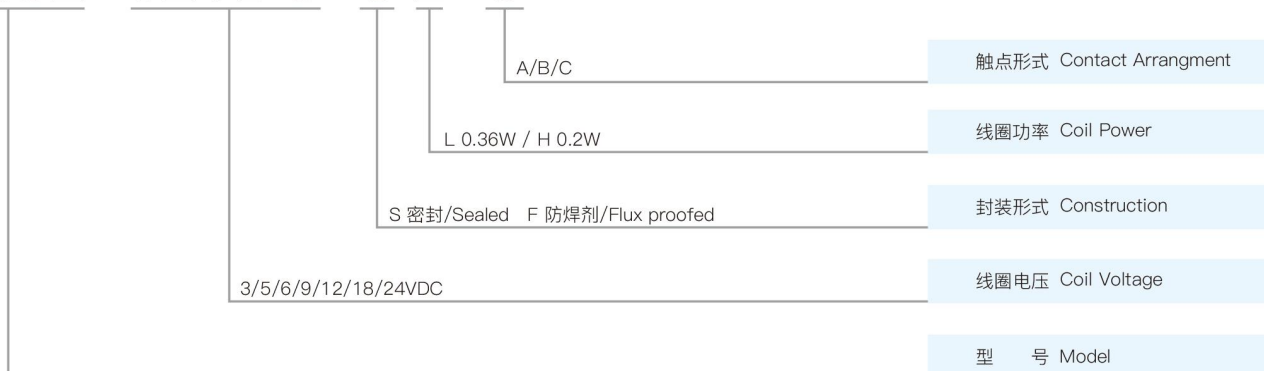
- 5A触点切换能力
5A switching capability
- UL绝缘等级: F级绝缘等级
UL insulation system: Class F
- 具有密封型与防焊剂型两种封装形式
Sealed and flux proofed types available
- 印制板式引出端
Standard PCB layout



RoHS
Compliant

订购信息 / ORDERING INFORMATION

SRSZ-12VDC-S L-C



触点参数 / CONTACT PARAMETERS

| | | |
|-------------------------|---|---|
| 触点形式 | Contact arrangement | A, B, C |
| 接触电阻 | Contact resistance | ≤50mΩ (1A 6VDC) |
| 触点材质 | Contact material | 银合金/Silver alloy: AgSnO ₂ In ₂ O ₃ 、AgSnO ₂ 、AgNi |
| 触点负载(阻性) | Contact rating(Res. load) | 3A 250VAC/30VDC, 1A 120VAC |
| 最大切换电压 | Max switching voltage | 250VAC/30VDC |
| 最大切换电流 | Max switching current | 5A |
| 最大切换功率 | Max switching power | 750VA/90W |
| 电耐久性 (频率:每小时360次) | Electrical endurance (Frequency:360 ops/h) | 1x10 ⁶ ops / 1x10 ⁴ ops |
| 机械耐久性 (频率:每小时18000次) | Mechanical endurance (Frequency:18000 ops/h) | 1x10 ⁷ ops |

超小型信号继电器

Subminiature Signal Relay

1A/3A

特性参数 / CHARACTERISTICS PARAMETERS

| | | | |
|-------------------|---|-------------------------------------|----------------------------|
| 绝缘等级 | Insulation level | | B/F |
| 绝缘电阻 | Insulation resistance | | 100MΩ(500VDC) |
| 介质耐压 (漏电流 1mA) | Dielectric strength (Leakage current 1mA) | 线圈与触点间 Between coil and contacts | 1000VAC 1min |
| | | 断开触点间 Between open contacts | 500VAC 1min |
| 吸合时间(额定电压下) | Operate time(at nominal voltage) | | ≤5ms |
| 释放时间(额定电压下) | Release time (without diode) (at nominal voltage) | | ≤5ms |
| 湿度 | Humidity | | 5% ~ 85% RH |
| 环境温度(°C) | Ambient temperature | | -40°C ~ +85°C |
| 抗冲击 | Shock resistance | 稳定性/Functional | 147m/s ² |
| | | 强度/Destructive | 980m/s ² |
| 抗振动(双振幅) | Vibration resistance (Double amplitude) | | 10Hz~55Hz 2.5mm |
| 重量 | Weight | | 约/Approx 3.8g |
| 封装形式 | Construction | | 密封/Sealed 防焊剂/Flux proofed |

备注: 以上数据均为初始值

Remark: All above data is initial value

线圈参数 / COIL PARAMETERS

常温/At (23°C)

| 功耗(W) | Power consumption(W) | 0.36W(L) | | | | | | | | 0.2W(H) | | | | | | | |
|-------------|--------------------------------------|----------------------------|------|-----|-----|-----|-----|------|----|---------|-----|-----|-----|------|------|--|--|
| | | 03 | 05 | 06 | 09 | 12 | 18 | 24 | 03 | 05 | 06 | 09 | 12 | 18 | 24 | | |
| 额定电压(VDC) | Nominal voltage(VDC) | 25 | 69.4 | 100 | 225 | 400 | 900 | 1600 | 45 | 125 | 180 | 405 | 720 | 1620 | 2880 | | |
| 线圈电阻(Ω±10%) | Coil resistance(Ω±10%) | | | | | | | | | | | | | | | | |
| 吸合电压(Max) | Pick-up voltage(Max) | 75% 额定电压(Nominal voltage) | | | | | | | | | | | | | | | |
| 释放电压(Min) | Drop-out voltage(Min) | 5% 额定电压(Nominal voltage) | | | | | | | | | | | | | | | |
| 允许最大电压(VDC) | Max allowable overdrive voltage(VDC) | 130% 额定电压(Nominal voltage) | | | | | | | | | | | | | | | |

安全认证(相关认证以第三方认证证书为准) / SAFETY APPROVAL RATINGS

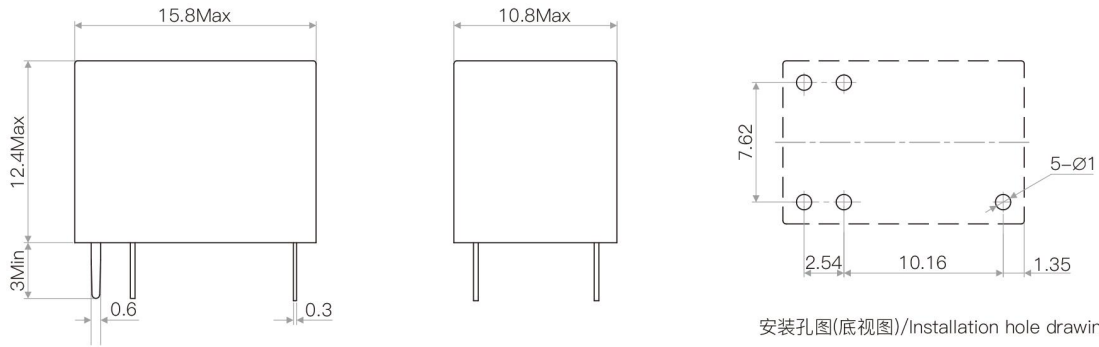


1A 250VAC
3A 250VAC

1A 120VAC

外形图 / OUTLINE DIMENSIONS

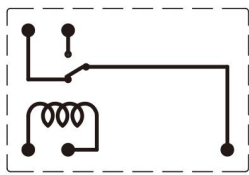
单位/Unit(mm)



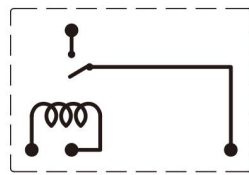
安装孔图(底视图)/Installation hole drawing(Bottom view)

未注公差/Tolerance:±0.1

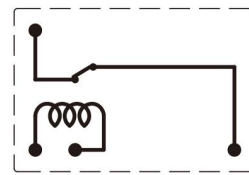
线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



转换C型/Conversion C type

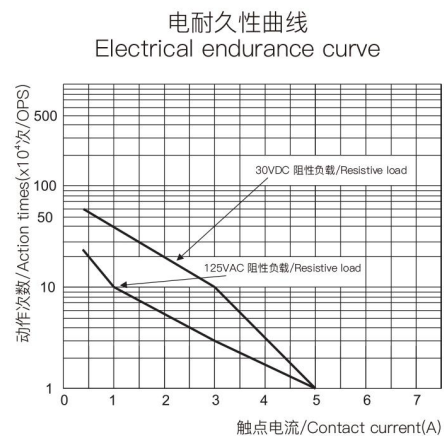
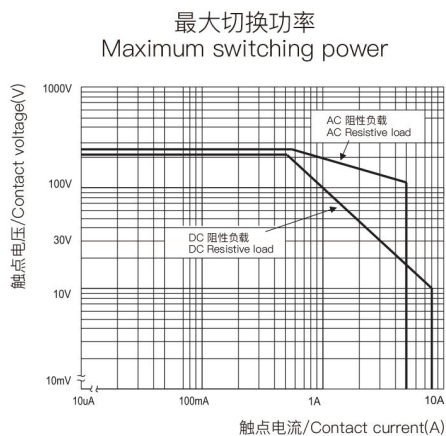


常开A型/Normally open A type



常闭B型/Normally closed B type

性能曲线图 / CHARACTERISTIC CURVES



测试条件: NO: AgNi, 阻性负载, 85°C, 1s通9s断

Test conditions: NO: AgNi, Resistive load, 85°C, 1s on 9s off.