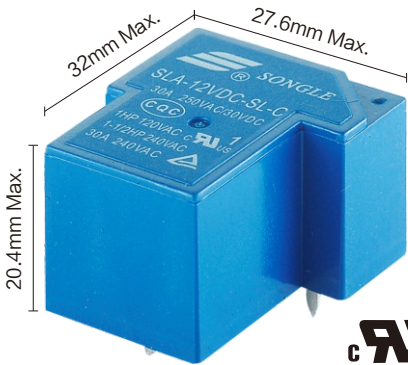


小型大功率继电器(4P)  
Miniature High Power Relay

50A

特性 / FEATURES

- 50A触点切换能力  
50A switching capability
- 线圈与触点间耐压为4kV  
4kV dielectric strength  
(between coil and contacts)
- 具有一组常开触点形式  
1 Form A configuration
- 可提供密封型或敞开型  
Sealed type and open type available



订购信息 / ORDERING INFORMATION

SLA-50A-12VDC-S L-A

|                         |                          |
|-------------------------|--------------------------|
| A                       | 触点形式 Contact Arrangement |
| L 0.9W D 1.8W           | 线圈功率 Coil Power          |
| S 密封/Sealed 无 敞开/Open   | 封装形式 Construction        |
| 5/6/9/12/18/24/36/48VDC | 线圈电压 Coil Voltage        |
|                         | 型 号 Model                |

触点参数 / CONTACT PARAMETERS

|                         |                                                 |                                                                                               |
|-------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 触点形式                    | Contact arrangement                             | A                                                                                             |
| 接触电阻                    | Contact resistance                              | ≤100mΩ (1A 6VDC)                                                                              |
| 触点材质                    | Contact material                                | 银合金/Silver alloy: AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> 、AgSnO <sub>2</sub> 、AgNi |
| 触点负载(阻性)                | Contact rating(Res. load)                       | 40A/50A 250VAC, 1-1/2HP 240VAC, 1HP 120VAC                                                    |
| 最大切换电压                  | Max switching voltage                           | 250VAC                                                                                        |
| 最大切换电流                  | Max switching current                           | 50A                                                                                           |
| 最大切换功率                  | Max switching power                             | 12500VA                                                                                       |
| 电耐久性<br>(频率:每小时360次)    | Electrical endurance<br>(Frequency:360 ops/h)   | 1x10 <sup>5</sup> ops / 1x10 <sup>4</sup> ops                                                 |
| 机械耐久性<br>(频率:每小时18000次) | Mechanical endurance<br>(Frequency:18000 ops/h) | 1x10 <sup>7</sup> ops                                                                         |

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特性参数 / CHARACTERISTICS PARAMETERS

|                   |                                                   |                                                          |
|-------------------|---------------------------------------------------|----------------------------------------------------------|
| 绝缘等级              | Insulation level                                  | B/F                                                      |
| 绝缘电阻              | Insulation resistance                             | 1000MΩ(500VDC)                                           |
| 介质耐压<br>(漏电流 1mA) | Dielectric strength<br>(Leakage current 1mA)      | 线圈与触点间<br>Between coil and contacts<br>2000/4000VAC 1min |
|                   |                                                   | 断开触点间<br>Between open contacts<br>1500VAC 1min           |
| 吸合时间(额定电压下)       | Operate time(at nominal voltage)                  | ≤15ms                                                    |
| 释放时间(额定电压下)       | Release time (without diode) (at nominal voltage) | ≤10ms                                                    |
| 湿度                | Humidity                                          | 5% ~ 85% RH                                              |
| 环境温度(℃)           | Ambient temperature                               | -40℃ ~ +85℃                                              |
| 抗冲击               | Shock resistance                                  | 稳定性/Functional<br>98m/s <sup>2</sup>                     |
|                   |                                                   | 强度/Destructive<br>980m/s <sup>2</sup>                    |
| 抗振动(双振幅)          | Vibration resistance (Double amplitude)           | 10Hz~55Hz 1.5mm                                          |
| 重量                | Weight                                            | 密封 约/Sealed approx 25g 敞开 约/Open approx 19g              |
| 封装形式              | Construction                                      | 密封/Sealed 敞开/Open                                        |

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℃)

|             |                                      |                            |    |    |     |     |     |      |      |
|-------------|--------------------------------------|----------------------------|----|----|-----|-----|-----|------|------|
| 功耗(W)       | Power consumption(W)                 | 0.9W(L)                    |    |    |     |     |     |      |      |
| 额定电压(VDC)   | Nominal voltage(VDC)                 | 05                         | 06 | 09 | 12  | 18  | 24  | 36   | 48   |
| 线圈电阻(Ω±10%) | Coil resistance(Ω±10%)               | 27.7                       | 40 | 90 | 160 | 360 | 640 | 1440 | 2560 |
| 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)                | 10% 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

 CQC08002027666  
CQC08002027668

 R50056114

 E179944

50A 250VAC  
40A 250VAC

50A 250VAC  
40A 250VAC

50A 240VAC  
40A 240VAC  
1HP 16A 120VAC

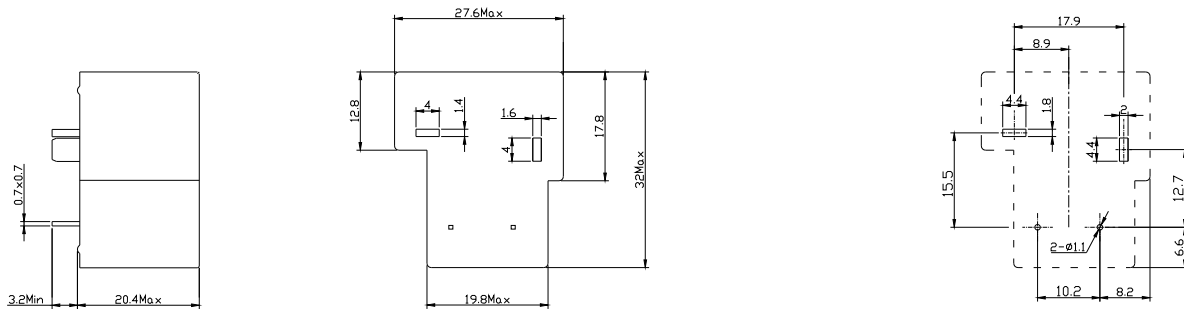
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### 外形图 / OUTLINE DIMENSIONS

单位/Unit(mm)

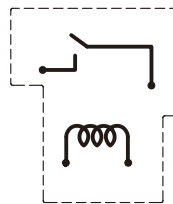


密封式/Sealed type

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)



常开A型/Normally open A type

### 性能曲线图 / CHARACTERISTIC CURVES

