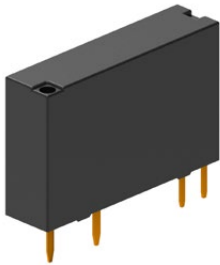


- 5A 触点切换能力
- 触点与线圈间介质耐压 3KV
- 高灵敏度，线圈功耗 120mW
- 外形尺寸 L×W×H: 20×5×12.5mm
- 5A Switching Capability
- 3KV Dielectric Strength Between Coil And Contacts
- High sensitive: 120mW
- Profile Dimension L×W×H: 20×5×12.5mm



| MCD           | S                    | 1                          | 12                                 | A                       | 1                                                                                                                          | 1                                    | F                                              |
|---------------|----------------------|----------------------------|------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------|
| 产品型号<br>Model | 产品结构<br>Structure    | 触点组数<br>Number of<br>Poles | 线圈电压<br>Coil<br>Voltage            | 触点形式<br>Contact<br>Form | 触点类型<br>Contact<br>Plating                                                                                                 | 引出脚间距<br>Gap<br>Between<br>Terminals | 绝缘等级<br>Insulation<br>Class                    |
|               | S: 塑封型 Wash<br>tight | 1: 1 组 1 Pole              | 05, 06,<br>09,12,<br>18, 24<br>VDC | A: 常开<br>NO             | 1: 银镍<br>AgNi<br>2: 银镍镀金<br>AgNi Plating Au<br>3: 银氧化锡<br>AgSnO <sub>2</sub><br>4: 银氧化锡镀金<br>AgSnO <sub>2</sub> Plating Au | 1:5.08mm<br>2:7.62mm                 | F: F 级<br>无: B 级<br>F: Class F<br>Nil: Class B |

### 触点参数 CONTACT PARAMETERS

|                                                |                                                                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 触点形式 Contact Form                              | 1a                                                                                                                                   |
| 触点材料 Contact Material                          | 银合金 Silver Alloy                                                                                                                     |
| 接触电阻 (初始) Contact Resistance(Initial)          | ≤ 100mΩ(1A 6VDC)                                                                                                                     |
| 最大切换电流 Max. Switching Current                  | 5A                                                                                                                                   |
| 最大切换电压 Max. Switching Voltage                  | 250VAC/30VDC                                                                                                                         |
| 最大切换功率 Max. Switching Power                    | 1250VA/150W                                                                                                                          |
| 电气寿命 (阻性负载)<br>Electrical Life(Resistive load) | 1×10 <sup>5</sup> 次 OPS(3A 250VAC/30VDC,85°C ,1s on: 9s off)<br>5×10 <sup>4</sup> 次 OPS(5A 250VAC/30VDC, 室温 Room temp,1s on: 9s off) |
| 机械寿命 Mechanical Life                           | 2×10 <sup>7</sup> 次 OPS                                                                                                              |

### 性能参数 CHARACTERISTICS

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| 绝缘电阻 Insulation Resistance | 1000MΩ(at 500VDC)                                                                         |
| 介质耐压 Dielectric Strength   | 触点与线圈间 Between Coil & Contacts: 3000VAC 1min<br>断开触点间 Between Open Contacts: 1000VAC 1min |
| 动作时间 Operate Time          | ≤ 10ms                                                                                    |
| 释放时间 Release Time          | ≤ 5ms                                                                                     |
| 环境温度 Ambient Temperature   | -40°C ~+85°C                                                                              |
| 振 动 Vibration              | 10Hz~55Hz 1.5mm 双振幅 (DA)                                                                  |
| 冲 击 Shock                  | 功能性的 Functional 98m/s <sup>2</sup> (10G)<br>破坏性的 Destructive 980m/s <sup>2</sup> (100G)   |
| 引出端形式 Termination          | 印制板式 PCB                                                                                  |
| 封装形式 Construction          | 塑封型 Wash tight                                                                            |
| 重 量 Unit Weight            | 约 Approx.3g                                                                               |

线圈规格表 COIL DATA(23℃)

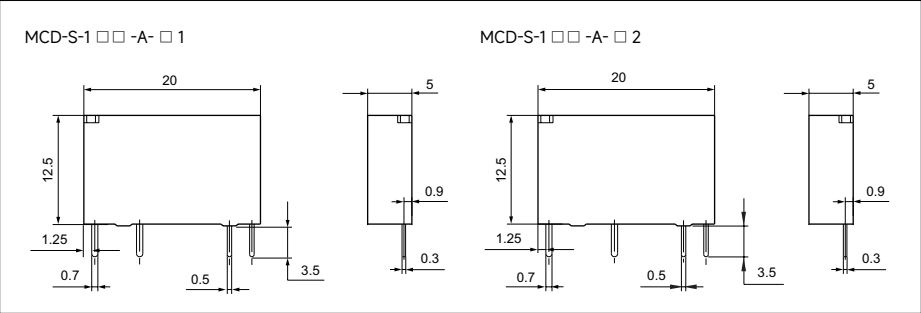
| 额定电压<br>Rated Voltage<br>VDC | 动作电压<br>Operate Voltage<br>VDC | 释放电压<br>Release Voltage<br>VDC | 最大容许电压<br>Max. Allowable voltage<br>VDC | 线圈电阻<br>Coil Resistance<br>$\Omega \pm 10\%$ | 线圈功耗<br>Coil Power<br>W |
|------------------------------|--------------------------------|--------------------------------|-----------------------------------------|----------------------------------------------|-------------------------|
| 5                            | $\leq 3.5$                     | $\geq 0.25$                    | 6.0                                     | 208                                          | 约 Approx.<br>0.12       |
| 6                            | $\leq 4.2$                     | $\geq 0.3$                     | 7.2                                     | 300                                          |                         |
| 9                            | $\leq 6.3$                     | $\geq 0.45$                    | 10.8                                    | 675                                          |                         |
| 12                           | $\leq 8.4$                     | $\geq 0.6$                     | 14.4                                    | 1200                                         |                         |
| 18                           | $\leq 12.6$                    | $\geq 0.9$                     | 21.8                                    | 2700                                         |                         |
| 24                           | $\leq 16.8$                    | $\geq 1.2$                     | 28.8                                    | 3200                                         | 约 Approx.<br>0.18       |

安全认证 SAFETY STANDARD APPROVALS

| 安全认证 Safety Standard Approvals | UL                    | TUV                   | CQC                   |
|--------------------------------|-----------------------|-----------------------|-----------------------|
| 证书编号 Certificate Number        | E358149               | R50549150             | CQC21002325693        |
| 负载 Rating                      | 5A 250VAC<br>5A 30VDC | 5A 250VAC<br>5A 30VDC | 5A 250VAC<br>5A 30VDC |

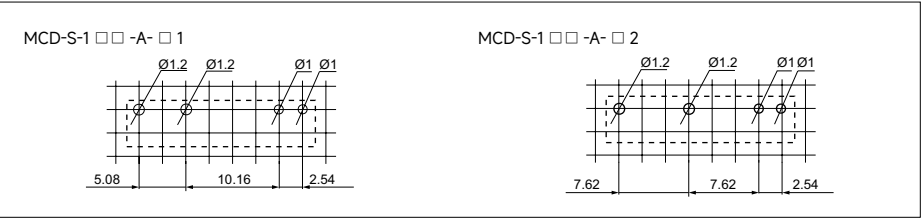
外形尺寸 PROFILE DIMENSION

单位 Unit: mm



安装孔尺寸 (底视图) PCB LAYOUT (BOTTOM VIEW)

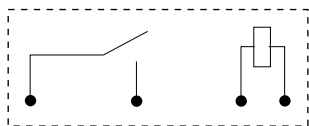
单位 Unit: mm



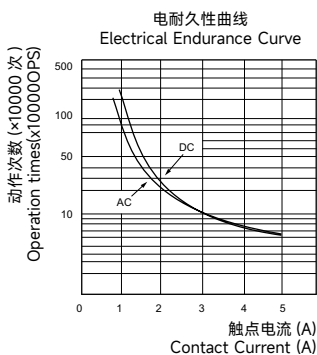
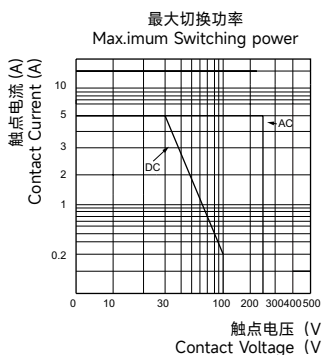
备注 Notes:

- 1) 产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$ , 公差为 $\pm 0.2\text{mm}$ ; 当外形尺寸在 $1\sim 5\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$ ; 当外形尺寸 $> 5\text{mm}$ 时, 公差为 $\pm 0.4\text{mm}$ 。  
In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ ;

## 接线图 (底视图) WIRING DIAGRAM (BOTTOM VIEW)



## 性能曲线图 PERFORMANCE CURVE



## 声明 STATEMENT:

1. 本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。  
This product specification for client's reference, if any change without notice.
2. 对美硕而言，不可能评定继电器在每个具体应用领域的所有性能参数要求，因而客户应该根据具体的使用条件选择与之相匹配的产品，若有疑问，请与美硕联系获取更多的技术支持。但产品选型责任仅由客户负责。  
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All items are subject to the actual products.



继电器综合样本

RELAYS COMPONENTS



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