



磁保持继电器

Magnetic Latching Relay

型号

RL709F-100A



● 磁保持继电器

- 体积小，100A触点切换能力；
- 线圈功耗小、温升极底；
- 触点接触电阻小，电接触稳定性能好；
- 抗冲击、抗振动能力强；
- 外形尺寸：(66.0x43.0x25.0)mm；

触点参数 CONTACT DATA

| | | |
|--------|--------------------------|-------------------|
| 触点形式 | contact form | 1A/1B |
| 触点材料 | contact material | Silver Alloy |
| 接触电阻 | contact resistance | Max.: 2 mΩ |
| 触点负载 | contact Rating(Res.load) | 100A 250VAC |
| 最大转换功率 | | 25000VA |
| | Max. Switching Power | |
| 机械寿命 | Mechanical life | 1×10 ⁶ |
| 电气寿命 | Electrical life | 5×10 ³ |

性能 CHARACTERISTICS

| | | |
|---------------------|-------------------------|-----------------------------|
| 绝缘电阻 | Insulation Resistance | 1000MΩ (500 VDC) |
| 介质耐压 | 触点与线圈间 | 2500VAC 1 min. |
| | Between Coil & Contacts | |
| Dielectric strength | 断开触点间 | 1500VAC 1 min |
| | Between Open Contacts | |
| 闭合时间 | Operate Time | 20msec. Max. |
| 断开时间 | Release Time | 20msec. Max. |
| 冲击 | 稳定性 Functional | 100m/S ² (10g) |
| | 强度 Destructive | 1000m/S ² (100g) |
| 振动 | Vibration resistance | 10~55Hz 1.5mm |
| 湿度 | Humidity | 98%RH, 40℃ |
| 温度范围 | Ambient temperature | -40~+70℃ |
| 引出端方式 | Termination | PCB |
| 重量 | Unit weight | 约180g |
| 封装形式 | Constnution | 防尘罩 Dust protected |

线圈 COIL

| | |
|------------|-----------------------------------|
| 线圈功耗 | 单线圈：2.5W 双线圈：5.0W |
| coil power | single coil:2.5W double coil:5.0W |

线圈参数 COIL DATA

| 额定电压VDC | 动作电压VDC | 脉冲宽度ms | 线圈电阻Ω |
|-----------------|------------------|----------------|-----------------|
| Nominal Voltage | Pick-upV/voltage | Pulse Duration | Coil Resistance |
| 单线圈 | | | |
| 9 | 6.75 | 100 | 32.4±10% |
| 12 | 9 | 100 | 57.6±10% |
| 24 | 18 | 100 | 230.4±10% |
| 48 | 36 | 100 | 921.6±10% |
| 双线圈 | | | |
| 9 | 6.75 | 100 | 2x16.2±10% |
| 12 | 9 | 100 | 2x28.8±10% |
| 24 | 18 | 100 | 2x115.2±10% |
| 48 | 36 | 100 | 2x460.8±10% |

备注：如需其它额定电压，可特殊定货。

Note;When requiring other nominal voltage, special order allowed.

典型应用 TYPICAL APPLICATION

1) 主要用于IC卡预付费电表，集中抄表系统；

Prepayment Energy Meters/Water Meters/Gas Meters

2) 家电和自动控制装置。

Electrial switching system, Telecommunication, Auto Controlling

ORDERING INFORMATION

RL 709F-100A 12 - S

① ② ③ ④

① 公司代号 Company Code

② 产品型号 Product Type

③ 线圈电压 Coil Voltage

④ D表示双线圈，S表示单线圈 D= Double Coil; S= Single Coil

DIMENSIONS (尺寸图) Unit: mm

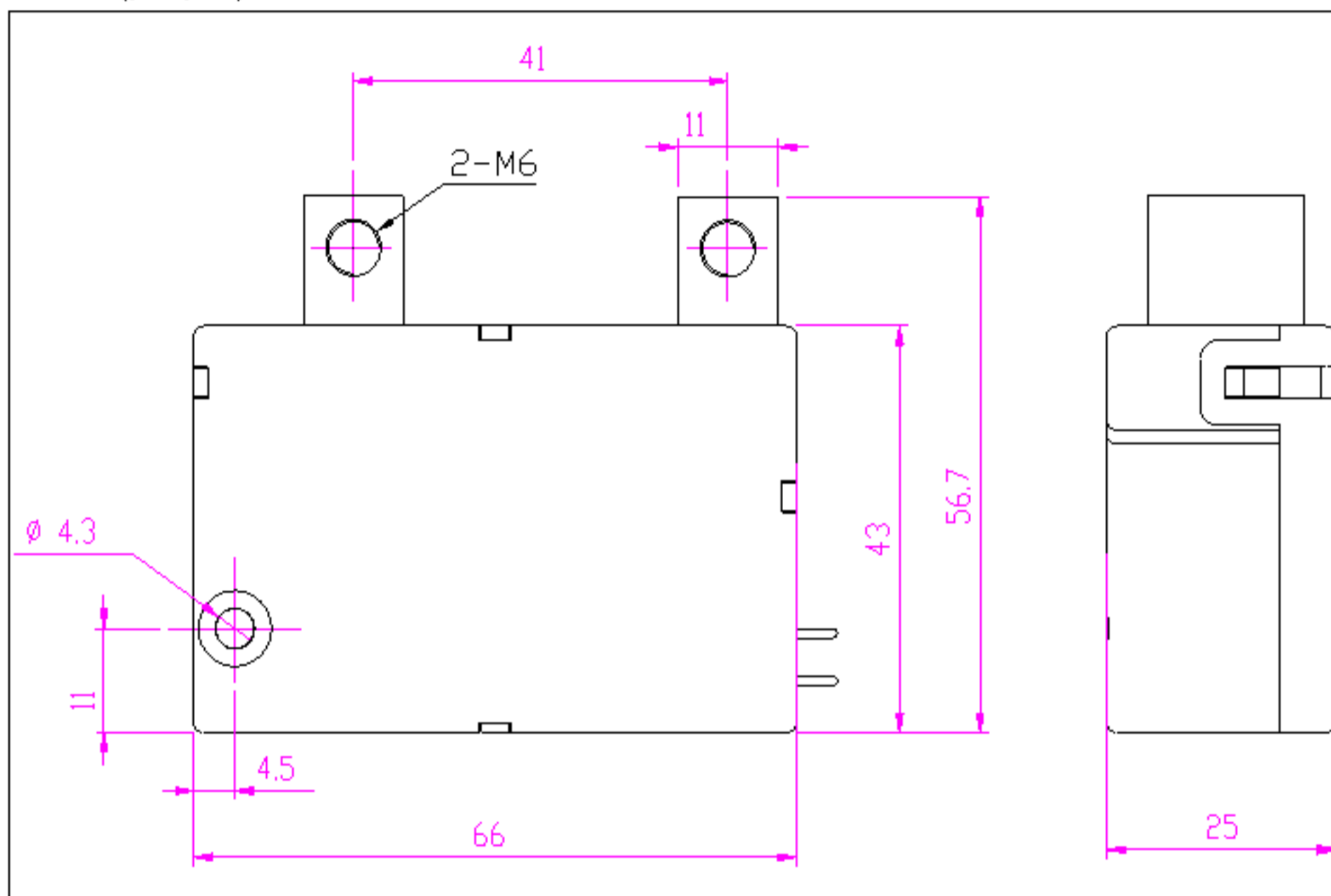


DIAGRAM SCHEMATIC (接线图)

