

## Product Specification Sheet

| 变更说明<br><small>(Change description)</small> | 更改人<br><small>(Change person)</small> | 更改日期<br><small>(Change date)</small> | 备注<br><small>(Remarks)</small> |
|---------------------------------------------|---------------------------------------|--------------------------------------|--------------------------------|
| /                                           | /                                     | /                                    | /                              |
| /                                           | /                                     | /                                    | /                              |

# 制图

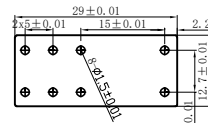
2025.9.11

# 审核

春兴同  
2015.9.22

批准

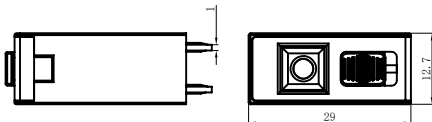
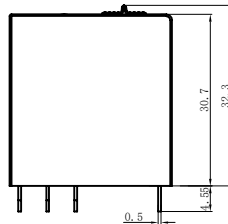
2015. 9. 24.



PCB安装孔位示意图

Top View

Schematic diagram of PCB  
installation hole positions  
Top View

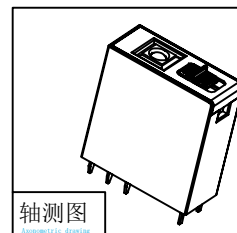


| 性能参数 (表2.1)                               |                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------|
| Performance parameters (Table 2.1)        |                                                                                |
| 安装方式<br>Installation                      | 配套插座, 焊接<br>Matching socket and welding                                        |
| 外观材料<br>Appearance material               | 外壳<br>Hull                                                                     |
|                                           | 底座<br>Base                                                                     |
|                                           | 触点<br>Contact point                                                            |
|                                           | 引脚<br>Pin foot                                                                 |
|                                           | 接线形式<br>Wiring form                                                            |
| 耐压性<br>Withstand voltage                  | PC (RoHS), V2级阻燃<br>PC (RoHS), V2 level flame retardant                        |
| 引脚反推力<br>Pin force thrust                 | PAG6+P20 (RoHS), V0级阻燃<br>PAG6+P20 (RoHS), V0 level flame retardant            |
| 工作环境温度<br>Ambient temperature             | 银钎合金AgSn02 (RoHS)<br>Silver solder alloy AgSn02 (RoHS)                         |
| 工作环境湿度<br>Relative environment humidity   | H65镀银 (RoHS)<br>H65 silver plating (RoHS)                                      |
| 贮存环境温度<br>Storage environment temperature | 引脚式, 可选配继电器插座<br>Pin type, optional matching relay socket                      |
| 贮存环境湿度<br>Storage environment humidity    | ≤380℃ (25~50W电热铁), ≤2秒<br>≤380℃ (25~50W electric iron), ≤2 seconds             |
| 额定发热电流<br>Conventional thermal current    | ≥80℃无位移, 1min<br>≥80℃ without displacement, 1 minute                           |
| 接触电阻<br>Contact resistance                | -40℃~+80℃, 非真空状态、不给冰情况下<br>-40℃~80℃, under non vacuum and non icing conditions |
| 触点类型<br>Contact type                      | 35~85%RH                                                                       |
| 触点负载<br>Contact load                      | 包装完好情况下, -40℃~+55℃<br>Under intact packaging, -40℃ to +55℃                     |
|                                           | 包装完好情况下, 45~90%RH<br>Under intact packaging, 45~90%RH                          |
|                                           | 16A、250VAC                                                                     |
|                                           | ≤50mΩ                                                                          |
|                                           | 1N0 1NC                                                                        |
|                                           | 16A 250VAC                                                                     |
|                                           | 5.3A 250VAC                                                                    |

|                                                                                                                |                                                 |                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                |                                                 | 性能参数 (表2)                                                                                                                                                                                                                                                                                                        |  |
|                                                                                                                |                                                 | Performance parameters (Table 2)                                                                                                                                                                                                                                                                                 |  |
| 线圈参数<br>coil<br>parameters                                                                                     | 吸合电压 (23℃)<br>pickup voltage (23℃)              | DC: 80% (额定电压); AC (50/60Hz/60Hz): 80% (额定电压)<br>DC: 80% (rated voltage); AC (50/60Hz/60Hz): 80% (rated voltage)                                                                                                                                                                                                 |  |
|                                                                                                                | 释放电压 (23℃)<br>release voltage (23℃)             | DC: 85% (额定电压); AC (50/60Hz/60Hz): 10% (额定电压)<br>DC: 85% (rated voltage); AC (50/60Hz/60Hz): 10% (rated voltage)                                                                                                                                                                                                 |  |
|                                                                                                                | 最大电压 (23℃)<br>max. voltage (23℃)                | DC: 额定电压的95%~120%; AC: 额定电压的95%~110%<br>DC: 95%~120% of rated voltage; AC: 95%~110% of rated voltage                                                                                                                                                                                                             |  |
|                                                                                                                | 吸合时间<br>pickup time                             | ≤15ms                                                                                                                                                                                                                                                                                                            |  |
|                                                                                                                | 释放时间<br>release                                 | DC: ≤10ms AC: ≤15ms                                                                                                                                                                                                                                                                                              |  |
| 绝缘电阻<br>insulation resistance                                                                                  | 线圈耗电量<br>coil power consumption                 | 约0.53W (DC) / 约1.0~1.4VA(AC)<br>about 0.53W (DC) / about 1.0~1.4VA(AC)                                                                                                                                                                                                                                           |  |
|                                                                                                                | 线圈电压<br>coil voltage                            | DC12V、DC24V 可定制DC5V<br>DC12V, DC24V customizable DC5V                                                                                                                                                                                                                                                            |  |
|                                                                                                                |                                                 | ≥1000M Ω (50V/DC), 端子与壳之间<br>≥1000M Ω (50V/DC), terminals and the casing                                                                                                                                                                                                                                         |  |
|                                                                                                                |                                                 | 1000V/AC, 50Hz/DC, 1min(绝缘电流1mA)<br>1000V/AC, 50Hz/DC, 1min (insulation current 1mA)                                                                                                                                                                                                                             |  |
| 抗电强度<br>(工频耐压)<br>electrical strength<br>(power frequency<br>withstand voltage)                                | 断开触点之间<br>disconnection between the<br>contacts | 3000V/AC, 50Hz, 1min(绝缘电流1mA)<br>3000V/AC, 50Hz, 1min (insulation current 1mA)                                                                                                                                                                                                                                   |  |
|                                                                                                                | 触点与线圈间<br>terminals and coil                    | 5000V/AC, 50Hz, 1min(绝缘电流1mA)<br>5000V/AC, 50Hz, 1min (insulation current 1mA)                                                                                                                                                                                                                                   |  |
| 触点最小适用负载<br>contacts minimum load                                                                              |                                                 | 10V AC/DC, 100mA (参考值, 取决于环境负载情况)<br>10V AC/DC (reference value, depending on environment and load condition)                                                                                                                                                                                                    |  |
| 耐振性<br>resistance to vibration                                                                                 |                                                 | XYZ三向, 60Hz, 振幅2mm, 1小时 (每2小时观察记录)<br>XYZ three-way, 60Hz, amplitude 2mm, 1 hour (observed every 2 hours)                                                                                                                                                                                                        |  |
| 产品防跌落<br>product anti fall                                                                                     |                                                 | 外壳连续跌落1米, 3次, 能正常工作<br>the shell can work normally after 1m drop 3 times                                                                                                                                                                                                                                         |  |
| 包装跌落<br>packaging falling                                                                                      |                                                 | 600mm高度连续跌落1次, 产品无损坏<br>600mm height continuous drop 1 time, no damage to the product                                                                                                                                                                                                                            |  |
| 温升试验<br>temperature rise test                                                                                  |                                                 | 按GB/T14408, 5号端子P8, 3.3k欧姆(恒温23℃, 持续通电60min, 所有触点温度点<br>according to GB/T 14408, 3.3kΩ P8 terminals (constant temperature of 23℃, continuous power for 60 minutes, all contacts are 50% loaded), and the temperature<br>升高点应≤40℃, 且温升≤20℃<br>rise point should be ≤40℃, and the temperature rise should be ≤20℃) |  |
| 低温试验<br>low temperature<br>test                                                                                |                                                 | 24h, 1个周期; (参考GB/T 2423.18-2012)<br>24h, 1 cycle (referring to GB/T 2423.18-2012)                                                                                                                                                                                                                                |  |
| 高温试验<br>high temperature<br>test                                                                               |                                                 | -40℃, 96h, 接触电阻≤200mΩ、按压力度≤30N, LED正常<br>40℃, 96h, contact resistance ≤ 200mΩ, pressure value ≤ 30N, LED normal                                                                                                                                                                                                  |  |
| 高低温冲击试验 (含LED灯<br>耐冲击寿命测试)<br>high and low temperature impact test<br>(including LED lamp operating life test) |                                                 | 80℃, 96h, 接触电阻≤200mΩ、按压力度≤30N, LED正常<br>80℃, 96h, contact resistance ≤ 200mΩ, pressure value ≤ 30N, LED normal                                                                                                                                                                                                   |  |
| 寿命试验<br>life test                                                                                              |                                                 | 在满负荷/切换率: 720 Ops/h 工作情况下:<br>室温下, 16A 250V/30VDC (频率1.5s通, 1.5s断): ≥10万次<br>室温下, 16A 250V/30VDC (频率1.5s通, 1.5s断): ≥10万次<br>at room temperature, 16A 250V/30VDC (frequency 1.5 s on, 1.5 s off): ≥ 10000 times<br>at room temperature, 16A 250V/30VDC (frequency 1.5 s on, 1.5 s off): ≥ 10000 times             |  |
| ESD静电<br>ESD static electric                                                                                   |                                                 | 人体模式: 2KV, 可定制8KV<br>Human body mode: 2KV, customizable 8KV                                                                                                                                                                                                                                                      |  |
| LED参数<br>LED parameter                                                                                         | 额定电流<br>rated current                           | ≤10mA                                                                                                                                                                                                                                                                                                            |  |
|                                                                                                                | 灯珠类型<br>LED type                                | 贴片无极点芯片LED<br>surface mount bipolar dual chip LED                                                                                                                                                                                                                                                                |  |
|                                                                                                                | 降压方式<br>built in voltage reducing resistor      | 内置降压电阻<br>built in voltage reducing resistor                                                                                                                                                                                                                                                                     |  |
|                                                                                                                | 寿命<br>lifetime                                  | ≥50000h (参考值)<br>≥50000 hours (reference value)                                                                                                                                                                                                                                                                  |  |
| 产品认证<br>product certification                                                                                  |                                                 | CE RoHS                                                                                                                                                                                                                                                                                                          |  |
| 质保<br>warranty                                                                                                 |                                                 | 24个月<br>24 months                                                                                                                                                                                                                                                                                                |  |
| 图纸未注一般公差<br>general tolerance                                                                                  |                                                 | 按GB/T 1804—B 标准执行。<br>Follow the GB/T 1804—B standard.                                                                                                                                                                                                                                                           |  |
| 产品包装数量及内盒尺寸<br>product packaging quantity and<br>inner box size                                                |                                                 |                                                                                                                                                                                                                                                                                                                  |  |
| 单只产品净重<br>single product<br>gross weight                                                                       |                                                 |                                                                                                                                                                                                                                                                                                                  |  |



| 型号说明/选型, 写法举例: RX1CO-D24LT                                |                                                                                                                                                                    |     |   |   |    |   |   |   |  |  |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|---|----|---|---|---|--|--|
| Model description/selection, writing example: RX1CO-D24LT |                                                                                                                                                                    |     |   |   |    |   |   |   |  |  |
| 对应编号<br>Corresponding number                              | RX                                                                                                                                                                 | 1CO | - | D | 24 | L | T | ▲ |  |  |
|                                                           | 1                                                                                                                                                                  | 2   |   | 3 | 4  | 5 | 6 | 7 |  |  |
| 1 荣越代码<br>Rongyue Code                                    | RX                                                                                                                                                                 |     |   |   |    |   |   |   |  |  |
| 2 插脚类型<br>Pin type                                        | 1C 1NO 1NC;                                                                                                                                                        |     |   |   |    |   |   |   |  |  |
| 3 线圈电压类型<br>Coil voltage type                             | D: 直流; A: 交流<br>B: DC; C: AC                                                                                                                                       |     |   |   |    |   |   |   |  |  |
| 4 电压参数<br>Voltage parameters                              | 24V, 220V等<br>24V, 220V, etc.                                                                                                                                      |     |   |   |    |   |   |   |  |  |
| 5 指示灯<br>Indicator light                                  | L-带LED灯<br>L- with LED light                                                                                                                                       |     |   |   |    |   |   |   |  |  |
| 6 测试按钮<br>test button                                     | T-带测试按钮 无-不带测试按钮<br>T- with test button None - without test button                                                                                                 |     |   |   |    |   |   |   |  |  |
| 7 线圈种类<br>Type of coil                                    | 常规DC12V, DC24V, AC220V, 其他定制: AC/DC6V, AC/DC48V, AC/DC60V, AC/DC110V, AC12V, DC12V, DC24V, AC220V, other customized: AC/DC6V, AC/DC48V, AC/DC60V, AC/DC110V, AC12V |     |   |   |    |   |   |   |  |  |



|                                                                                                                        |                          |     |
|------------------------------------------------------------------------------------------------------------------------|--------------------------|-----|
| 所有尺寸均以mm为单位<br>不能从图纸上测得尺寸<br><i>(All dimensions are in millimeters<br/>Unable to measure dimensions from drawings)</i> | 比例<br><i>Scale</i>       | 1:1 |
|                                                                                                                        | 图幅<br><i>Sheet frame</i> | A4  |
|                                                                                                                        | 页码<br><i>Page number</i> | 1/1 |

The drawing shows two technical objects. On the left is a trapezoidal shape, possibly a cross-section of a horn or a similar component, with a vertical centerline. On the right is a circular object, possibly a flange or a similar component, with a crosshair indicating the center. Both objects are drawn with black lines on a white background.

|                                                                                                                                           |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <br>浙江荣越电气有限公司<br>Zhejiang Rongyue Electric Co., Ltd |                             |
| 产品名称<br>Product Name                                                                                                                      | 中间继电器<br>intermediate relay |
| 产品型号<br>Product drawing number                                                                                                            | RX1C0-D24LT                 |