产品规格书
Product Specification Sheet

变更说明 Change Description	更改人 Change person	更改日期 Change date	备注 remarks
/	/	/	/
/	/	/	/

制图

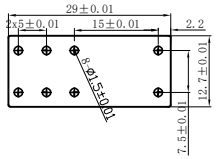
2025.9.11

审核

2025.9.22

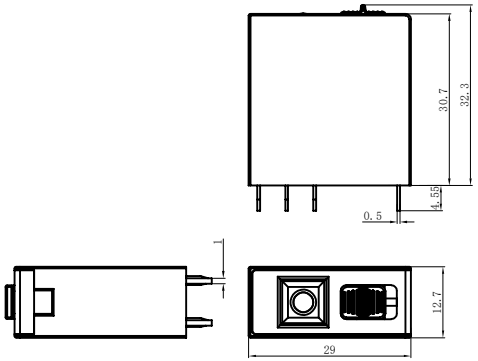
批准

2025.9.24



PCB安装孔位示意图
Top View

Schematic diagram of PCB installation hole positions
Top View



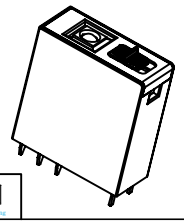
性能参数 （表2.1） Performance parameters (Table 2.1)		
安装方式 Installation method		配套插座、焊接 Supporting sockets and welding
外观材料 Appearance material	外壳 shell	PC（RoHS），V2级阻燃 PC (RoHS), V2 level flame retardant
	底座 base	PA66+GF20（RoHS），V0级阻燃 PA66+GF20 (RoHS), V0 level flame retardant
	触点 contact point	银氧化锡AgSnO2（RoHS） Silver tin oxide AgSnO2 (RoHS)
	引脚 pin	H65镀银（RoHS） H65 silver plating (RoHS)
接线形式 Wiring form		引脚式，可选配套继电器插座 Pin type, optional matching relay socket
耐焊性 soldering resistance		≤380℃（25～50W电烙铁），≤2秒 ≤380 ℃ (25-50W soldering iron), ≤ 2 seconds
引脚反向推力 Pin reverse thrust		≥80N无位移，1min ≥80N without displacement, 1 minute
工作环境温度 Ambient Temperature		-40℃～+80℃，非真空状态、不结冰情况下 -40 ℃~+80 ℃, under non vacuum and non icing conditions
工作环境湿度 Working environment humidity		35～85%RH
贮存环境温度 Storage environment temperature		包装完好情况下，-40℃～+55℃ Under intact packaging, -40 ℃ to+55 ℃
贮存环境湿度 Storage environment humidity		包装完好情况下，45～90%RH When the packaging is intact, 45-90% RH
约定发热电流 Conventional thermal current		12A、250VAC
接触电阻 Contact resistance		≤50mΩ
触点类型 Contact type		2NO 2NC
触点负载 Contact load	阻性 Resistive	12A 250VAC
	感性 emotional	4A 250VAC

性能参数 （表2.2） Performance parameters (Table 2.2)		
线圈参数 Coil parameters	吸合电压(23℃) Coil in voltage (23 ℃)	DC:80%(额定电压)；AC(50HZ/60HZ):80%(额定电压) DC:80% (rated voltage), AC (50HZ/60HZ): 80% (rated voltage)
	释放电压(23℃) Release voltage (23 ℃)	DC:5%(额定电压)；AC(50HZ/60HZ):10%(额定电压) DC:5% (rated voltage); AC (50HZ/60HZ): 10% (rated voltage)
	最大电压(23℃) Maximum voltage (23 ℃)	DC:额定电压的95%~120%；AC:额定电压的95%~110% DC:95% ~120% of rated voltage; AC: 95% ~110% of rated voltage
	吸合时间 Pickup time	≤15ms
	释放时间 RELEASE	DC：≤10ms　AC：≤15ms
	线圈耗电量 Coil power consumption	约0.53W（DC）/约1.0-1.4VA(AC) about0.53W (DC) /about1.0-1.4VA(AC)
	线圈电压 Coil Voltage	DC12V、DC24V　可定制DC5V DC12V、DC24V customizable DC5V
绝缘电阻 insulation resistance		≥1000MΩ(500VDC),端子与外壳之间 ≥ 1000M Ω (500VDC), between the terminal and the casing
抗电强度（工频耐压） Electrical strength (power frequency withstand voltage)	断开触点之间 Disconnect between the contacts	1000VAC，50HZ，1min(漏电流1mA) 1000VAC, 50HZ, 1min(SILC1mA)
	触点组间 Between contact groups	3000VAC，50HZ，1min(漏电流1mA) 3000VAC, 50HZ, 1min(SILC1mA)
	触点与线圈间 Between contacts and coil	5000VAC，50HZ，1min(漏电流1mA) 5000VAC, 50HZ, 1min(SILC1mA)
触点最小适用负载 Minimum applicable load for contacts		10V AC/DC，100mA（参考值，取决于环境与负载情况） 10V AC/DC,100mA (reference value, depending on environment and load conditions)
耐振性 resistance to vibration		XYZ三向，60HZ,振幅2mm ,10小时(每2小时观察记录) XYZ three-way, 60Hz, amplitude 2mm, 10 hours (observe and record every 2 hours)
产品防跌落 Product anti fall		外壳端竖直跌落1米，3次，能正常工作 Vertical drop of 1 meter from the shell end, 3 times, can work normally
包装跌落 Packaging falling		600mm高度连续跌落4次，产品无损坏 4 consecutive drops from a height of 600mm without any damage to the product
温升试验 temperature rise test		按GB/T14048.5标准中8.3.3.3条款(恒温23℃，持续通电60Min,所有触点满负载,1个小时测试间隔内,前后温差不超过55K) According to clause 8.3.3.3 of GB/T14048.5 standard (constant temperature of 23 ℃, continuous power on for 60 minutes, all contacts are fully loaded, and the temperature difference before and after the 1-hour test interval does not exceed 55K)
盐雾试验 salt spray test		24h，1个周期，（参考GB/T 2423.18-2012） 24h, 1 cycle, (refer to GB/T 2423.18-2012)
低温试验 Low temperature		-40℃，96h，接触电阻≤200mΩ、按压力值≤30%，LED正常 -40 ℃, 96 hours, contact resistance ≤ 200m Ω, pressure value ≤ 30%, LED normal
高温试验 high temperature test		80℃，96h，接触电阻≤200mΩ、按压力值≤30%，LED正常 80 ℃, 96 hours, contact resistance ≤ 200m Ω, pressure value ≤ 30%, LED normal
高低温冲击试验（含LED灯加速老化试验） High and low temperature impact test (including LED lamp accelerated aging test)		-40～+85℃，85%RH，40min/循环，50个循环，接触电阻≤200mΩ、按压力值≤30%，LED正常 -40~+85 ℃, 85% RH, 40min/cycle, 50 cycles, contact resistance ≤ 200m Ω, pressure value ≤ 30%, LED normal
寿命试验 life test	电气 electrical	在满负载（切换频率：720 Ops/h）工作情况下： 室温下，10A 250V/30VDC（频率1.5s通，1.5s断）：≥10万次 室温下，12A 250V/30VDC（频率1.5s通，1.5s断）：≥5万次 Under full load (switching frequency: 720 Ops/h) operation: At room temperature, 10A 250V/30VDC (frequency 1.5s on, 1.5s off): ≥ 100000 times At room temperature, 12A 250V/30VDC (frequency 1.5s on, 1.5s off): ≥ 50000 times
	机械 mechanical	≥1000万次（切换频率：18000 Ops/h）（参考GB/T14048.5） ≥10 million times (switching frequency: 18000 Ops/h) (refer to GB/T14048.5)
ESD静电 ESD static electricity		人体模式：2KV，可定制8KV human body mode: 2KV, customizable 8KV
LED参数 led parameters	额定电流 rated current	≤10mA
	灯珠类型 LED type	贴片无极双芯片LED Surface mount bipolar dual chip LED
	降压方式 voltage reduction method	内置降压电阻 Built in voltage reducing resistor
	寿命 lifespan	≥50000h（参考值） ≥50000 hours (reference value)
产品认证 Product Certification		CE RoHS
质保 warranty		24个月 24 months
图纸未注一般公差 The drawing does not indicate general		按GB/T 1804-m 标准执行。 Follow the GB/T 1804-m standard.
产品包装数量及内盒尺寸 Product packaging quantity and inner box size		
单只产品净重(约) Net weight of a single product (approximately)		

型号说明/选型，写法举例：RX2CO-D24LT
Model description/selection, writing example: RX1CO-D24LT

对应编号 Corresponding number	RX	2CO	–	D	24	L	T	▲					
	1	2		3	4	5	6	7					

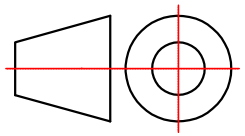
1	荣越代码 Rongyue Code	RX
2	插脚类型 Pin type	2C 2NO 2NC;
3	线圈电压类型 Coil voltage type	D：直流；　A:交流 D: DC; A: Communication
4	电压参数 Voltage parameters	24V,220V等 24V, 220V, etc
5	指示灯 indicator light	L-带LED灯 L - with LED light
6	测试按钮 test button	T-带测试按钮　　无-不带测试按钮 T - with test button None - without test button
7	线圈种类 Type of coil	常规DC12V、DC24V、AC220V,其他定制:AC/DC6V、AC/DC48V、AC/DC60V、AC/DC110V、AC12V、DC230V Conventional DC12V, DC24V, AC220V, other customized: AC/DC6V, AC/DC48V, AC/DC60V, AC/DC110V, AC12V, DC230V



轴测图
Axonometric drawing

所有尺寸均以mm为单位
不能从图纸上测绘尺寸
All dimensions are in millimeters
Unable to measure dimensions from drawings

比例 Proportion	1:1
图幅 Map frame	A4
页码 Page number	1/1



RY-ELE®
浙江荣越电气有限公司
Zhejiang Rongyue Electric Co., Ltd

产品名称 Product Name	中间继电器 intermediate relay
产品型号 Product drawing number	RX2CO-D24LT

浙江荣越电气有限公司 技术部