

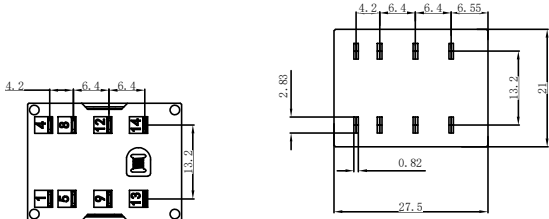
产品规格书

Product Specification Sheet

制图

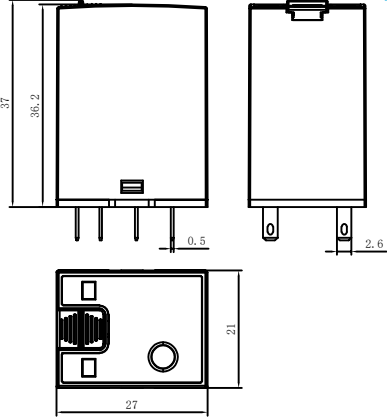
审核

批准



PCB安装孔位示意图
Top View

Schematic diagram of PCB
installation hole positions
Top View



型号说明/选型, 写法举例: RXS2C-D24LT Model description/selection, writing example: RXS2C-D24LT										
对应编号 Corresponding number	RXS	2C	D	24	L	T	▲			
	1	2	3	4	5	6	7			
1 荣越代码 Rongyue Code	RXS									
2 引脚类型 Pin type	2CN:大2组(大8脚);2C:小2组(小8脚);4C: 4组(14脚) 2CN: Big 2 groups (big 8 legs); 2C: Small 2 groups (small 8 legs); 4C: 4 groups (14 legs)									
3 线圈电压类别 Category of coil voltage	D:直流 A:交流 D:DC A:AC									
4 电压 voltage	常规DC12V、DC24V、AC220V,其他定制:AC/DC6V、AC/DC48V、AC/DC60V、AC/DC110V、AC12V、DC230V Conventional DC12V, DC24V, AC220V, other customization: AC/DC6V AC/DC48V, AC/DC60V, AC/DC110V, AC12V, DC230V									
5 指示灯 Indicator light	L-指示灯 L-indicator 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 触点材质 Contact material	银氧化锡、银氧化镉、银合金 Silver tin oxide, silver cadmium oxide, silver alloy									

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 materials	外壳 Shell PC (RoHS), V2级阻燃
	透光材料 PC (RoHS), V2 grade flame retardant
	底座 Base PA66 (RoHS), V0级阻燃
	触点 Contact 银氧化锡AgSnO2 (RoHS)
	引脚 Pin H65镀银 (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 electric 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 Working environment temperature	-40℃~+80℃, 非真空状态、不结冰情况下 -40℃~+80℃, in non vacuum and non icing conditions
贮存环境湿度 Storage 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 Under intact packaging, 45~90% RH
触点负载 Contact load	10A 250VAC/10A 30VDC
接触电阻 Contact resistance	≤50mΩ
触点类型 Contact type	4NO/4NC

性能参数 (表2.2) Performance parameters (Table 2.2)		
线圈参数 Coil parameters	吸合电压(23℃) Pickup voltage(23℃)	DC: ≤75% (额定电压); AC (50Hz/60Hz): ≤80% (额定电压) DC: ≤ 75% (rated voltage); AC (50Hz/60Hz): ≤ 80% (rated voltage)
	释放电压(23℃) Release voltage(23℃)	DC: ≥10% (额定电压); AC (50Hz/60Hz): ≥30% (额定电压) DC: ≥ 10% (rated voltage); AC (50Hz/60Hz): ≥ 30% (rated voltage)
	最大电压(23℃) Maximum voltage(23℃)	额定电压的110% 110% of rated voltage
	吸合时间 Pickup time	≤15ms
	释放时间 Release time	≤15ms
线圈耗电量 Coil power consumption	约0.9W (DC) / 约1.2VA(AC) about 0.9W (DC) / about 1.2VA(AC)	
	线圈电压 Coil voltage	AC: 6~380VAC DC: 6~220VDC
绝缘电阻 Insulation resistance	≥500MΩ (500VDC), 端子与外壳之间 ≥500MΩ (500VDC), between terminals and housing	
抗电强度 (工频耐压) Dielectric strength (power frequency)	开路触点之间 Between open contacts	1000VAC, 50Hz, 1min (漏电流1mA) 1000VAC, 50Hz, 1min (leakage current 1mA)
	触点组间 Between contact groups	1200VAC, 50Hz, 1min (漏电流1mA) 1200VAC, 50Hz, 1min (leakage current 1mA)
触点与线圈间 Between contacts and coils	触点与线圈间 Between contacts and coils	1500VAC, 50Hz, 1min (漏电流1mA) 1500VAC, 50Hz, 1min (leakage current 1mA)
	触点与线圈间 Between contacts and coils	1500VAC, 50Hz, 1min (漏电流1mA) 1500VAC, 50Hz, 1min (leakage current 1mA)
触点最小适用负载 Minimum applicable load of contacts	3V AC/DC, 5mA (参考值, 取决于环境与负载情况) 3V AC/DC, 5mA (reference value, depending on environment and load conditions)	
耐振性 Vibration resistance	X/Y/Z三向, 60Hz, 振幅2mm, 10小时(每2小时观察记录) X/Y/Z three way, 60Hz, amplitude 2mm, 10 hours (observe and record every 2 hours)	
产品防跌落 Product drop protection	外壳端盖垂直跌落1米, 3次, 能正常工作 The shell and lid vertically to 1 meter, 3 times, and can work normally	
包装跌落 Packaging drop	600mm高度连续跌落4次, 产品无损坏 600mm height continuous drops 4 times, with no damage to the product	
温升试验 Temperature rise test	按GB/T14048.5标准中表3.3.3条款(环境温度25℃, 持续通电60min, 所有触点满载, 1个小时测试间隔, 前后温差≤50℃) According to clause 3.3.3 of GB/T14048.5 standard (constant temperature of 25℃, continuous power on for 60 minutes, all contacts at full load, within one hour of testing interval, the temperature difference before and after shall not exceed 50℃)	
盐雾试验 Salt spray test	24h, 1个周期, (参考GB/T 2423.18-2012) 24 hours, 1 cycle, (refer to GB/T 2423.18-2012)	
低温试验 Low temperature test	-40℃, 96h, 接触电阻≤200mΩ、LED正常 -40℃, 96h, contact resistance ≤ 200mΩ, LED normal	
高温试验 High temperature test	80℃, 96h, 接触电阻≤200mΩ、LED正常 80℃, 96h, contact resistance ≤ 200mΩ, 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 accelerated aging test)	-40℃~+85℃, 85%RH, 40min/cycle, 50 cycles, 接触电阻≤200mΩ、LED正常 -40℃~+85℃, 85% RH, 40min/cycle, 50 cycles, contact resistance ≤ 200mΩ, LED is normal	
寿命试验 Life test	电气 Electrical	在满负载(切换频率: 1800 Ops/h)工作情况下: Under full load (switch frequency: 1800 Ops/h) operation: 室温下, 5A 250V/30VDC (频率1s通, 9s断), ≥4072次 At room temperature, 5A 250V/30VDC (frequency 1s on, 9s off), ≥ 40000 times 室温下, 7A 250V/30VDC (频率1s通, 9s断), ≥3072次 At room temperature, 7A 250V/30VDC (frequency 1s on, 9s off), ≥ 30000 times 室温下, 10A 250V/30VDC (频率1s通, 9s断), ≥2072次 At room temperature, 10A 250V/30VDC (frequency 1s on, 9s off), ≥ 20000 times
	机械 Mechanical	≥1000万次(切换频率: 1800 Ops/h) (参考GB/T14048.5) ≥10 million times (switching frequency: 1800 Ops/h) (refer to GB/T14048.5)
ESD静电 ESD static electricity	人体模式: 2KV, 可定制8KV Human mode: 2KV, customizable for 8KV	
LED参数 LED parameters	额定电流 Rated current	≤10mA
	灯珠类型 LED type	LED焊接灯珠 LED welding beads
	降压方式 Voltage reduction method	内置降压电阻 Built-in step-down resistor
寿命 Life	≥50000h (参考值) ≥50000 (reference value)	
产品认证 Product certification	CCC CE RoHS	
质保 Warranty	24个月 24 months	
图纸未注一般公差 General tolerance not noted on the drawing	按GB/T 1804-m 标准执行。 Implement according to the GB/T 1804-m standard	
产品包装数量及内盒尺寸 Product packaging quantity and inner box size		
单件产品净重(约) Net weight of single product (approx.)	33.84g	



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 drawing

轴测图
Isometric drawing

比例 1:1
图幅 A4
页码 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	RXS2C-D24LT