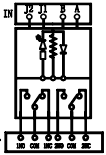


变更说明 Change description	更改人 Change person	更改日期 change date	备注 remarks
/	/	/	/
/	/	/	/

接 线 图 pick up line image		位数 digit	2	4	6	8	10	12	16	32
		长度L mm length	40.3	76.8	113.3	149.8	186.3	222.8	295.8	587.8

制图

李加峰
2026.3

审核

黄兴国
26.3

李加峰
26.3

批准

马前峰
2026.3

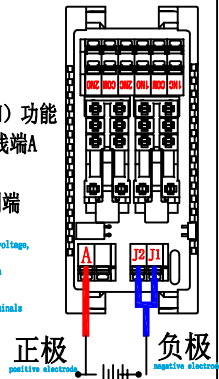
接
线
方
式
说
明

pick up
line
square
formula
say
bright

低电平输入控制: NPN=A+ J(1, 2)-
Low level input control: NPN=A+ J(1, 2)-

当输入端A接正极电压,
J(1, 2)接负极电压
此接线方式为低电平 (NPN) 功能
同一个模组中, 所有的接线端A
都是同一个接线端
J1, J2为对应的继电器控制端

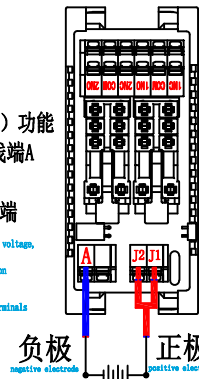
When input terminal A is connected to a positive voltage,
J(1, 2) connected to negative voltage
This wiring method is for low level (NPN) function
All terminals A in the same module
They are all the same terminal
J1 and J2 are the corresponding relay control terminals



高电平输入控制: PNP=A- J(1, 2)+
High level input control: PNP=A- J(1, 2)+

当输入端A接负极电压,
J(1, 2)接正极电压
此接线方式为高电平 (PNP) 功能
同一个模组中, 所有的接线端A
都是同一个接线端
J1, J2为对应的继电器控制端

When input terminal A is connected to a positive voltage,
J(1, 2) connected to negative voltage
This wiring method is for low level (NPN) function
All terminals A in the same module
They are all the same terminal
J1 and J2 are the corresponding relay control terminals

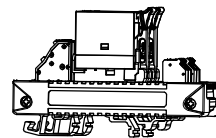


性能参数 (继电器) Performance parameters (Relay)	
触点形式 Contact form	2NO/2NC
接触电阻 Contact resistance	≤50mΩ
触点材料 Contact material	AgSnO ₂
触点负载 Contact load	8A
最大切换电压 Maximum switching voltage	250VAC/30VDC
最大切换电流 Maximum switching current	8A
最大切换功率 Maximum switching power	2000VA/240W
机械耐久性 Mechanical durability	DC线圈: 2000万次以上 DC coil: over 20 million cycles AC线圈: 2000万次以上 AC coil: over 20 million cycles
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC) ≥10 million times
触点与线圈间 Contact and coil	5000VAC 1min 5000VAC 1min between contact and coil
介电耐压 Dielectric withstand	同板触点间 1000VAC 1min 3000VAC 1min between contacts of the same polarity 异板触点间 3000VAC 1min 3000VAC 1min between opposite pole contacts
电器寿命 Electrical life	DC负载: 10万次以上 DC load: over 10000 cycles AC负载: 20万次以上 AC load: over 20000 cycles
切换频率 Switching frequency	1800次/小时 1800 times/hour
动作时间 Action time	≤15ms
释放时间 Release time	≤10ms
线圈升温 Coil heating	≤85K

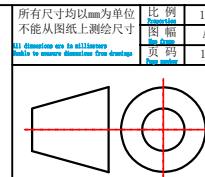
性能参数 (模组表2.1) Performance parameters (Module Table 2.1)	
安装方式 Installation method	卡扣导轨式安装 Module rail installation
外观材料 Appearance material	接触片 Contact piece PA6 (RoHS), V2级阻燃 PA6 (RoHS), V2 flame retardant 端子 Terminal PA66 (RoHS), V2级阻燃 PA66 (RoHS), V2 flame retardant 底座 Baseplate PA6 (RoHS), V2级阻燃 PA6 (RoHS), V2 flame retardant 连接结构 Fasten structure PA6+PA66 (RoHS)
接线形式 Wiring form	直插式卡簧接线, 使用0.5-1mm ² 国标线 Direct insertion card spring wiring, using 0.5-1mm ² national standard line
卡簧拉力 Card spring pulling force	100N/gf.cm
工作环境温度 Working environment temperature	-40℃~+80℃, 非真空状态, 不结冰情况下 -40℃~+80℃, under non vacuum and non icing conditions
贮存环境温度 Storage environment temperature	包装完好情况下, -40℃~+65℃ Under intact packaging, -40℃ to +65℃
贮存环境湿度 Storage environment humidity	包装完好情况下, 45~90%RH With the packaging is intact, 45-90% RH
额定参数 rated parameters	8A 250VAC/30VDC
接触电阻 Contact resistance	≤100mΩ
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)
抗电强度 (工频耐压) Antielectric strength (50Hz voltage)	相邻端子之间: 1000VAC, 50Hz, 1min (漏电流≤1mA) Between adjacent terminals: 1000VAC, 50Hz, 1min (leakage current ≤1mA)
耐振性 Resistance to vibration	XYZ三向, 500Z 振幅2mm, 10s-1000s (每2小时记录一次) XYZ three-way, 500Z, amplitude 2mm, 10 hours (observe and record every 2 hours)
产品防跌落 Product anti fall	底座垂直跌落1m, 3次, 能正常工作 The base has dropped vertically by 1 meter for 3 times and 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
耐冲击性 Impact resistance	各部位能承受冲击力10g, 能正常工作 Each part can withstand an impact force of 10g and work normally
低温试验 Low temperature test	-40℃, 96h, 接触电阻≤200mΩ -40℃, 96 hours, contact resistance ≤ 200mΩ
高温试验 High temperature test	80℃, 96h, 接触电阻≤200mΩ 80℃, 96 hours, contact resistance ≤ 200mΩ
高低温冲击试验 High and low temperature shock test	-40~+85℃, 85%RH, 40min/循环, 50个循环, 接触电阻≤200mΩ -40~+85℃, 85% RH, 40min/cycle, 50 cycles, contact resistance ≤ 200mΩ
图纸未注一般公差 In drawing but not release general tolerance	按GB/T 1804-m 标准执行 Follow the GB/T 1804-m standard

RY MD 2 - 2Z 2S - T / DC24
1 2 3 4 5 6 7

1. RY: 企业代号
1.0: Rongyue Co.
2. MD: 继电器模组系列
2.0: Relay Module Series
3. 2, 4, 6, 8, 10, 12, 14, 16...
3.0: 2, 4, 6, 8, 10, 12, 14, 16...
4. 2Z: 2组转换
4.0: 2Z: 2 group conversion
5. 2S: RY2S-CL (继电器型号选型, 和泉、施耐德、荣越RY-ELE)
5.0: RY2S-CL (Relay model selection, Omron, Schneider, Rongyue RY-ELE)
6. T: 直插式接线
6.0: Direct insertion wiring
7. DC24: DC24+24VDC DC12=12VDC
7.0: DC24: DC24+24VDC DC12=12VDC



轴测图
Isometric drawing



所有尺寸均以mm为单位
All dimensions are in millimeters
除非另有说明, 否则按GB/T 1804-m 标准执行

比例 1:1
图幅 A4
图例 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

继电器模块
Relay module

产品型号
Product drawing number

RYMD2-2Z2S-T/DC24