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

制图

2026.3

审核

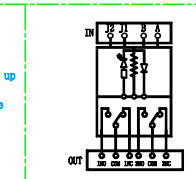
26.3

26.3

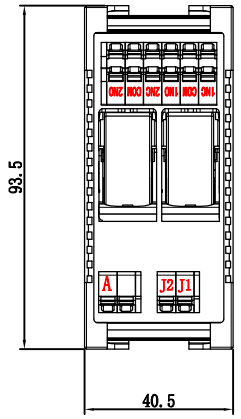
批准

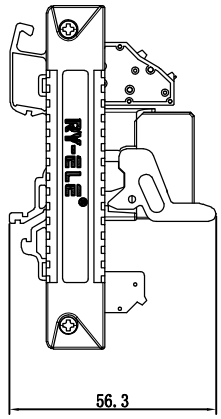
2026.3

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





性能参数（继电器） Performance parameters (relay)	
触点形式 contact form	2NO/2NC
接触电阻 contact resistance	≤100mΩ（在6VDC 1A条件下） ≤100m Ω (under 6VDC 1A conditions)
触点材料 Contact material	AgNi
触点负载 Contact load	8A
最大切换电压 Maximum switching voltage	440VAC/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	≥1000万次 Between adjacent terminals: 1000VAC, 50HZ, 1min (leakage current 1mA)
电器寿命 Electrical lifespan	1x10⁵
绝缘电阻 Insulation resistance	≥1000mΩ（500VDC） ≥10 million times
介质耐压 Dielectric withstand	异极触点之间 1000VAC 1min 1000VAC 1min between different level contacts
	触点与线圈间 5000VAC 1min 5000VAC 1min between contact and coil
动作时间 Action Time	≤15ms
释放时间 release time	≤8ms
线圈升温 Coil heating up	≤85K

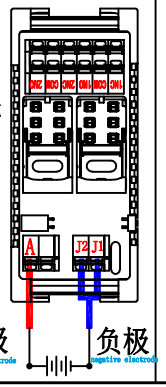
性能参数 （模组表2.1） Performance Parameters (Module Table 2.1)		
安装方式 Installation method		卡扣导轨式安装 Buckle rail installation
外观材料 Appearance material	接触片 Contact piece	高精磷铜，表面镀锡 High precision phosphor copper with tin plating on the surface
	底座 base	PA6（RoHS）， V2级阻燃 PA6 (RoHS), V2 flame retardant
	端子 terminal	PA66（RoHS）， V2级阻燃 PA66 (RoHS), V2 flame retardant
	底板 nameplate	PA6（RoHS）， V2级阻燃 PA6 (RoHS), V2 flame retardant
	边框 border	PA6+GF20（RoHS）
	起拔挂钩 Pull up hook	PA6+PA66（RoHS）
接线形式 Wiring form		直插式卡簧接线，使用0.5-1mm² 国标线 Direct insertion card spring wiring, using 0.5-1mm ² national standard line
卡簧拉力 Card spring tension		100Kgf. cm
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
额定参数 rated parameters		12A 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） Dielectric strength (power frequency withstand 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，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		底座竖直跌落1米，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		-40℃，96h，接触电阻≤200mΩ -40 ℃, 96 hours, contact resistance ≤ 200m Ω
高温试验 High temperature test		80℃，96h，接触电阻≤200mΩ 80 ℃, 96 hours, contact resistance ≤ 200m Ω
高低温冲击试验 High and low temperature impact 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 ≤ 200m Ω
图纸未注一般公差 No drawing does not indicate general tolerance		按GB/T 1804-m 标准执行。 Follow the GB/T 1804-m standard.

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,
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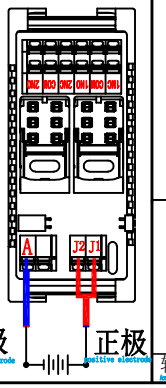
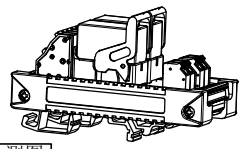


RY MD 2 - 2Z 115F - T / DC24
1 2 3 4 5 6 7

1. RY：企业代号
1.RY: Enterprise Code
2. MD：继电器模组系列
2.MD: Relay Module Series
3. 2：2, 4, 6, 8, 10, 12, 14路....
3.2:2,4,6,8,10,12,14 poles ...
4. 2Z：2组转换
4.2Z: 2 group conversion
5. 2S：RY2S-CL(继电器型号选型，和泉、施耐德、荣越RY-ELE)
5.2S: RY2S-CL Relay model selection, Hequan, Schneider, Rongyue RY-ELE)
6. T：直插式接线
6.T: Direct insertion wiring
7. DC24：DC24=24VDC DC12=12VDC
7.DC24: DC24=24VDC DC12=12VDC



轴测图 Isometric 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 Size Paper	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	继电器模块 relay module
产品型号 Product drawing number	RYMD2-2Z115F-T/DC24