

产品规格书

Product Specification Sheet

制图

李田峰
2026.2

审核

董光国
76.2.28

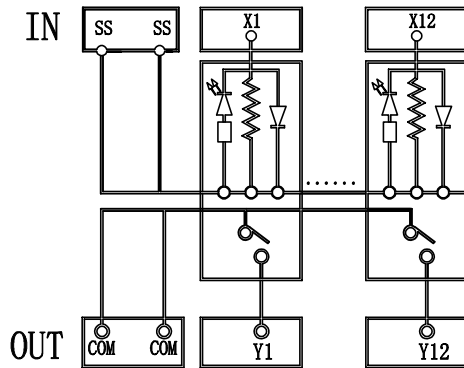
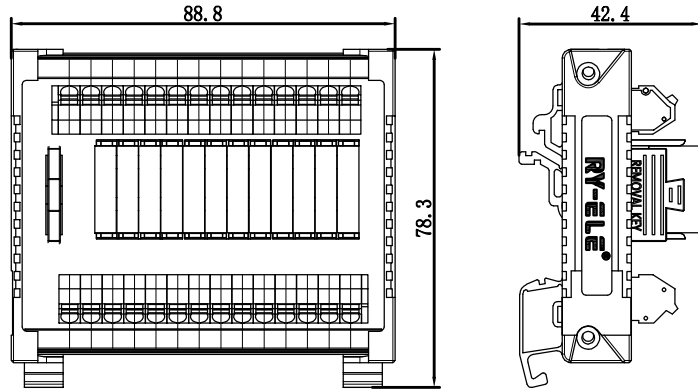
543
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批准

冯前峰
2026.2

内部
接线
原理图

Internal
wiring
principle



变更说明

Change description

更改人

Change person

更改日期

Change date

备注

Remarks

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/	/	/	/

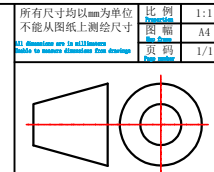
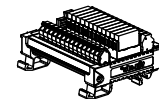
性能参数 (继电器表1.1) Performance Parameters (Relay Table 1.1)	
触点结构 Contact structure	1a
触点形式 Contact type	双触点 Double contact
接触电阻 (初值) Contact resistance (initial)	50mΩ以下 (OFF DC 1A 电压下降法) Below 50 mΩ (OFF DC 1A voltage drop method)
触点材料 Contact material	AgNi type4a
触点容量 (电阻负载) Contact capacity (resistive load)	5A 250VAC, 5A 30VDC
触点最大允许电力 Maximum allowable power for contacts	1, 250VA, 150W
触点最大允许电压 Maximum allowable voltage of contacts	250VAC, 110VDC (0.4 A)
触点最大允许电流 Maximum allowable current at the contact point	5A (AC, DC)
最小通断负载 Minimum switchable load	100 pA, 100mVDC
绝缘电阻 (初值) Insulation resistance (initial)	1, 000 MΩ以上 Above 1000 MΩ
耐电压: 触点间 Withstand voltage between contacts	1,000 V AC 1分钟 (检测电流: 10 mA) 1000 V AC for 1 minute (detection current: 10 mA)
耐电压: 触点与线圈间 Withstand voltage between contacts and coil	3,000 V AC 1分钟 (检测电流: 10 mA) 3000 V AC for 1 minute (detection current: 10 mA)
耐冲击电压: 触点与线圈间 Withstand surge voltage between contacts and coil	2000 V AC 1分钟 (检测电流: 10 mA) 2000 V AC for 1 minute (detection current: 10 mA)
动作时间 Action time	6,000 V
恢复时间 Recovery time	线圈额定电压 10 ms以下 (不含触点弹跳) Coil rated voltage below 10 ms (excluding contact bounce)
吸合时间 Pickup time	线圈额定电压 10 ms以下 (不含触点弹跳、无二极管) Coil rated voltage below 10 ms (excluding contact bounce and no diode)
机械寿命 Mechanical life	10 ~ 60 Hz (双向驱动, 3.5 mm) 10 ~ 60 Hz (bidirectional, amplitude: 3.5 mm)
电气寿命 Electrical life	2,000 万次 (AC 1分钟 / 分钟) 20 million times (AC 1 minute / minute)
使用环境温度 Operating temperature for use	-40°C~+80°C (不含触点弹跳, -40°C~+80°C) -40 °C ~ +80 °C (no contact bounce, -40 °C ~ +80 °C)
贮存环境温度 Storage environment temperature for use	5A 250VAC, 5A 30VDC, 5A 30VDC, 5A 30VDC 5A 250VAC, 5A 30VDC, 5A 30VDC, 5A 30VDC

性能参数 (表2.1) Performance parameters (Table 2.1)	
安装方式 Installation method	卡扣导轨式安装 Din rail installation
外观材料 Appearance material	接触片 Contact piece 高纯铜, 表面镀锡 High purity copper with copper tin plating on the surface 扳扣 Pulling buckle POM+GF30% 焊接插座 Welding socket PA6 (RoHS), V2级阻燃 端子 Terminal PA66 (RoHS), V2级阻燃 底板 Baseplate PA6 (RoHS), V2级阻燃 边板 Side plate PA6+GF20 (RoHS) 线路板 Circuit board Epoxy 1.6t
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 0.5-1mm² national standard line
卡簧拉力 Card spring tension	100gf.cm
工作环境温度 Ambient Temperature	-40°C~+80°C, 非真空状态, 不结冰情况下 -40 °C ~ +80 °C, 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°C~+55°C Under intact packaging, -40 °C ~ +55 °C
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
额定电压 rated voltage	250VAC/24VDC
额定电流 rated current	5A
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)
耐电压 Withstand Voltage	AC500V 1min
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	底座垂直跌落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
图纸未注一般公差 The drawing does not indicate general tolerances	按GB/T 1804-m 标准执行 Follow the GB/T 1804-m standard.

RY MD1 / T 1H 12- D24
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- RY: 企业代号
- MD1: 松下APANS124继电器模组系列
- T: 接线方式直插式
- 1H: 一组常开
- 12: 12路
- D24: 电压24VDC

轴测图
Isometric drawing



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 base

产品型号
Product drawing number

RYMD1/T1H12-D24