

产品规格书

Product Specification Sheet

制图

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2026.2

审核

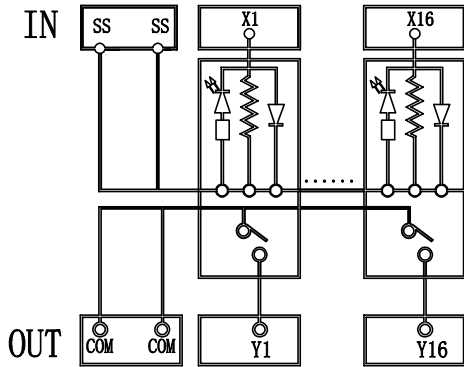
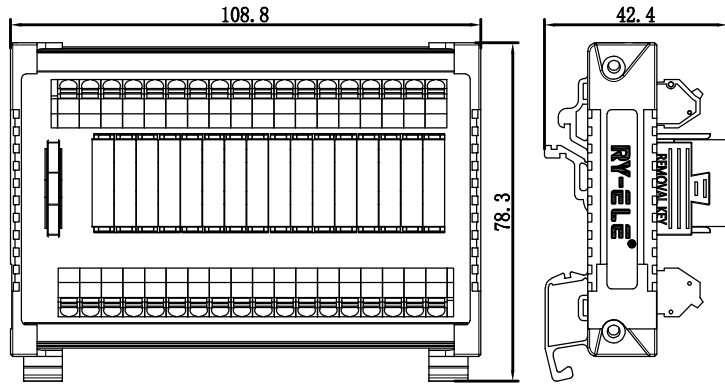
董发国
76.2.28
54号
76.2.28.

批准

冯前峰
2026.2

内部接线原理图

Internal wiring principle



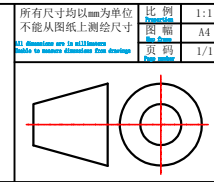
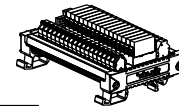
性能参数 (继电器1.1) Performance Parameters (Relay 1.1)	
触点结构 Contact structure	双触点 Double contact
触点形状 Contact shape	30x0.5以下 (BY DC 1A 电压下降法) Below 30x0.5 (BY DC 1A voltage drop method)
接触电阻 (初始) Contact resistance (initial)	AgHt type/4u
触点材料 Contact material	5A 250VAC, 5A 30VDC
触点容量 (电阻负载) Contact capacity (resistive load)	1,200VA, 150W
额定最大允许功率 Rated maximum allowable power	250VAC, 110VDC (0.4 A)
触点最大允许电压 Maximum allowable voltage of contacts	5A (AC, DC)
额定最大允许电压 Rated maximum allowable voltage	100 pA 100VDC
最小适用负载 Minimum applicable load	1,000 MΩ以上 1,000 MΩ or above
绝缘电阻 (初始) Insulation resistance (initial)	1,000 Y AC 1分钟 (绝缘电阻: 10 MΩ) 1000 Y AC for 1 minute (Insulation resistance: 10 MΩ)
耐压: 触点间 Withstand voltage: between contacts	3,000 Y AC 1分钟 (绝缘电阻: 10 MΩ) 3000 Y AC for 1 minute (Insulation resistance: 10 MΩ)
耐压: 触点与线圈间 Withstand voltage: between contacts and coil	5,000 Y
动作时间 Action 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)
恢复时间 Recovery time	线圈额定电压 5 ms以下 (不含触点弹跳、无二阶臂) Coil rated voltage below 5 ms (excluding contact bounce and no second arm)
寿命 Life	10 ~ 55 Hz (双向驱动: 3.5 ms) 10 ~ 55 Hz (bidirectional drive: 3.5 ms)
机械寿命 Mechanical life	2,000 万次, 开关频率 180 次 / 分钟 20 million times, switching frequency 180 times/minute
使用寿命 Service life	-40℃~+85℃ (未安装时存储: -40℃~+85℃) -40℃~+85℃ (when not installed: storage: -40℃~+85℃)
使用环境温度 Environmental temperature for use	65% RH~95% RH (无凝露、无霜冻) 65% RH~95% RH (no condensation, no frost)
使用环境湿度 Environmental humidity for use	最大 40℃ 24 小时, 2000 小时, 2000 小时, 2000 小时 Maximum 40℃ 24 hours, 2000 hours, 2000 hours, 2000 hours
电气寿命 Electrical life	最大 40℃ 24 小时, 2000 小时, 2000 小时, 2000 小时 Maximum 40℃ 24 hours, 2000 hours, 2000 hours, 2000 hours

RY MD1 / T 1H 16- D24

① ② ③ ④ ⑤ ⑥

- RY: 企业代号
- MD1: 松下 APAN3124 继电器模组系列
- T: 接线方式直插式
- 1H: 一组常开
- 16: 16路
- D24: 电压 24VDC

轴测图
Isometric drawing



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 Rack rail installation
外观材料 Appearance material	接触片 Contact piece 高精密铜, 表面镀锡 High precision phosphor 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 边框 Frame 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 0.5-1mm ² 国标线 Direct insertion card spring wiring, using 0.5-1mm ² national standard line
卡簧拉力 Card spring tension	100gf.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
额定电压 rated voltage	250VAC/24VDC
额定电流 rated current	5A
绝缘电阻 Insulation resistance	≥1000MΩ (500VDC)
耐压 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-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/T1H16-D24