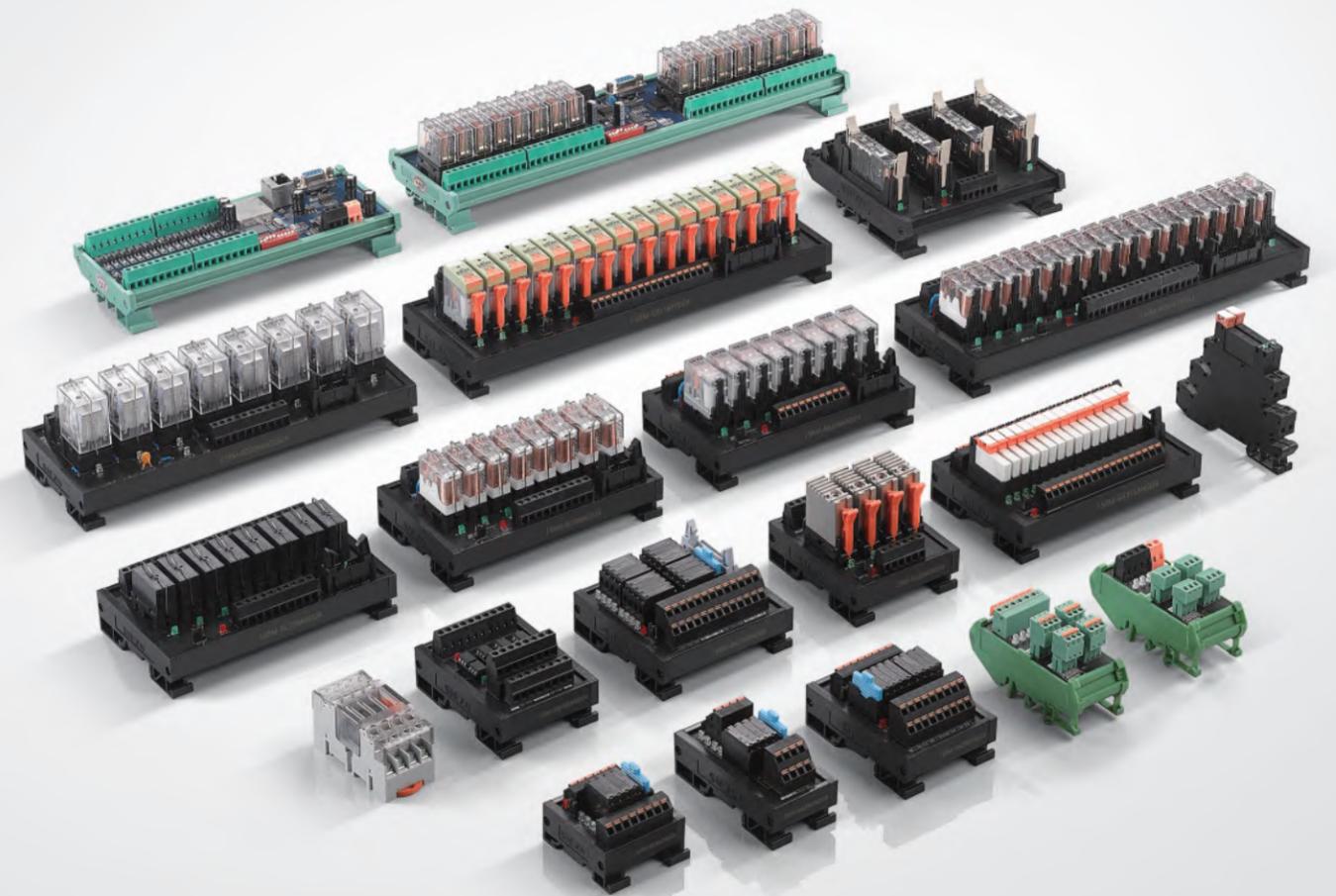


本目录刊载的型号和规格会因产品更新而变化，恕不另行通知。  
本目录虽然经多次校对，以求准确，但仅供参考之用，一切以实物及产品说明为准。  
The Part No. and Specifications will be revised after products updated, we will not inform you again!  
This Catalogue is only for your reference, all products information approval should be according to the Official Products Specification.

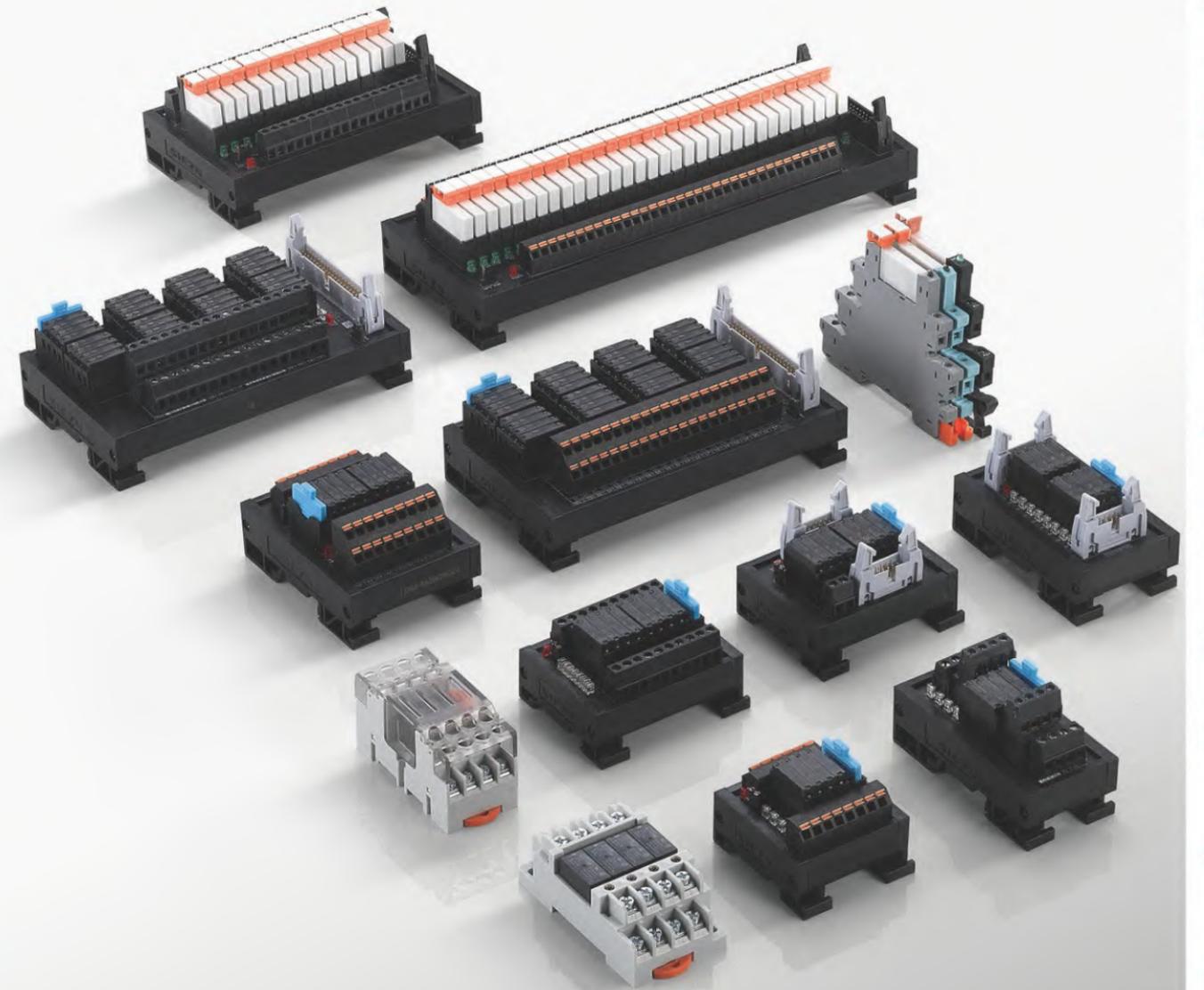
Product Selection Catalogue  
高端继电器制造与集成化应用方案解决商



继电器模块系列产品手册

# Signal Relay Module

信号继电器模块



Application Area

-  Gear icon representing general industrial applications.
-  Train icon representing railway and transportation applications.
-  Microscope icon representing scientific and research applications.
-  Medical cross icon representing healthcare applications.
-  Hand icon representing manual or human-machine interface applications.
-  Wrench icon representing maintenance and repair applications.
-  Car icon representing automotive applications.
-  Lightning bolt icon representing power and energy applications.
-  Wind turbine icon representing renewable energy applications.
-  Ship icon representing maritime and shipping applications.
-  Solar panel icon representing solar energy applications.

# 型号对照表 Model Comparison Table

## 41F 系列 41F Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-41F-1	AC/DC12V	GY-RA501AND12/P1
FY-41F-1	AC/DC 24V	GY-RA501AND24/P1
FY-41F-1	AC/DC48V	GY-RA501AND48/P1
FY-41F-1	110V/230V	GY-RA501ANA220/P1
FY-41F-2	AC/DC12V	GY-RA501AND12
FY-41F-2	AC/DC 24V	GY-RA501AND24
FY-41F-2	110V/230V	GY-RA501ANA220
FY-41F-3	AC/DC12V	GY-RA501TND12
FY-41F-3	AC/DC 24V	GY-RA501TND24
FY-41F-3	110V/230V	GY-RA501TNA220
FY-41F-1 base		GY-RA501AND24.Z/P1
FY-41F-2 base		GY-RA501AND24.Z
FY-41F-3 base		GY-RA501TND24.Z
FY-41F-4 base		GY-RA501TND24.Z/P1

## T73 系列 T73 Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-T73-1C	12V 24V	GY-RE101ACD24/T4T6
FY-T73-1C	110V 230V	GY-RE101ACA220/T4T6
FY-T73-2C	12V 24V	GY-RE102ACD24/T4T6
FY-T73-2C	110V 230V	GY-RE102ACA220/T4T6
FY-T73-4C	12V 24V	GY-RE104ACD24/T4T6
FY-T73-4C	110V 230V	GY-RE104ACA220/T4T6
FY-T73-8C	12V 24V	GY-RE108ACD24/T4T6
FY-T73-8C	110V 230V	GY-RE108ACA220/T4T6
FY-T73-16C	12V 24V	GY-RE116ACD24/T4T6

## Omron 1开1闭系列 Omron 1NO 1NC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NG2R-1C/OMR	12V 24V	GY-RC501ACD24/T6OMR
FY-NG2R-2C/OMR	12V 24V	GY-RC502ACD24/T6OMR
FY-NG2R-4C/OMR	12V 24V	GY-RC504ACD24/T6OMR
FY-NG2R-6C/OMR	12V 24V	GY-RC506ACD24/T6OMR
FY-NG2R-8C/OMR	12V 24V	GY-RC508ACD24/T6OMR
FY-NG2R-10C/OMR	12V 24V	GY-RC510ACD24/T6OMR
FY-NG2R-12C/OMR	12V 24V	GY-RC512ACD24/T6OMR
FY-NG2R-14C/OMR	12V 24V	GY-RC514ACD24/T6OMR
FY-NG2R-16C/OMR	12V 24V	GY-RC516ACD24/T6OMR

## XC 1开1闭系列 XC 1NO 1NC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NG2R-1C	12V 24V	GY-RC501ACD24/T6
FY-NG2R-2C	12V 24V	GY-RC502ACD24/T6
FY-NG2R-4C	12V 24V	GY-RC504ACD24/T6
FY-NG2R-6C	12V 24V	GY-RC506ACD24/T6
FY-NG2R-8C	12V 24V	GY-RC508ACD24/T6
FY-NG2R-10C	12V 24V	GY-RC510ACD24/T6
FY-NG2R-12C	12V 24V	GY-RC512ACD24/T6
FY-NG2R-14C	12V 24V	GY-RC514ACD24/T6
FY-NG2R-16C	12V 24V	GY-RC516ACD24/T6

## Omron 1开1闭+保险丝系列 Omron 1NO 1NC +Fuse Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NGG2R-1C/OMR+Fuse	12V 24V	GY-RC501AFD24/T6OMR
FY-NGG2R-2C/OMR+Fuse	12V 24V	GY-RC502AFD24/T6OMR
FY-NGG2R-4C/OMR+Fuse	12V 24V	GY-RC504AFD24/T6OMR
FY-NGG2R-6C/OMR+Fuse	12V 24V	GY-RC506AFD24/T6OMR
FY-NGG2R-8C/OMR+Fuse	12V 24V	GY-RC508AFD24/T6OMR
FY-NGG2R-10C/OMR+Fuse	12V 24V	GY-RC510AFD24/T6OMR
FY-NGG2R-12C/OMR+Fuse	12V 24V	GY-RC512AFD24/T6OMR
FY-NGG2R-14C/OMR+Fuse	12V 24V	GY-RC514AFD24/T6OMR
FY-NGG2R-16C/OMR+Fuse	12V 24V	GY-RC516AFD24/T6OMR

## XC 1开1闭+保险丝系列 XC 1NO 1NC +Fuse Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NGG2R-1C+Fuse	12V 24V	GY-RC501AFD24
FY-NGG2R-2C+Fuse	12V 24V	GY-RC502AFD24
FY-NGG2R-4C+Fuse	12V 24V	GY-RC504AFD24
FY-NGG2R-6C+Fuse	12V 24V	GY-RC506AFD24
FY-NGG2R-8C+Fuse	12V 24V	GY-RC508AFD24
FY-NGG2R-10C+Fuse	12V 24V	GY-RC510AFD24
FY-NGG2R-12C+Fuse	12V 24V	GY-RC512AFD24
FY-NGG2R-14C+Fuse	12V 24V	GY-RC514AFD24
FY-NGG2R-16C+Fuse	12V 24V	GY-RC516AFD24

## Omron 2开2闭系列 Omron 2NO 2NC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-2NG2R-1C/OMR	12V 24V	GY-RC601AND24/OMR
FY-2NG2R-2C/OMR	12V 24V	GY-RC602AND24/OMR
FY-2NG2R-4C/OMR	12V 24V	GY-RC604AND24/OMR
FY-2NG2R-6C/OMR	12V 24V	GY-RC606AND24/OMR
FY-2NG2R-8C/OMR	12V 24V	GY-RC608AND24/OMR
FY-2NG2R-10C/OMR	12V 24V	GY-RC610AND24/OMR
FY-2NG2R-12C/OMR	12V 24V	GY-RC612AND24/OMR
FY-2NG2R-14C/OMR	12V 24V	GY-RC614AND24/OMR
FY-2NG2R-16C/OMR	12V 24V	GY-RC616AND24/OMR

## XC 2开2闭系列 XC 2NO 2NC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-2NG2R-1C	12V 24V	GY-RC601AND24
FY-2NG2R-2C	12V 24V	GY-RC602AND24
FY-2NG2R-4C	12V 24V	GY-RC604AND24
FY-2NG2R-6C	12V 24V	GY-RC606AND24
FY-2NG2R-8C	12V 24V	GY-RC608AND24
FY-2NG2R-10C	12V 24V	GY-RC610AND24
FY-2NG2R-12C	12V 24V	GY-RC612AND24
FY-2NG2R-14C	12V 24V	GY-RC614AND24
FY-2NG2R-16C	12V 24V	GY-RC616AND24

# 型号对照表 Model Comparison Table

## 32F 系列 32F Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-N32F4A	12V 24V	GY-RI104ACD24/T6
FY-N32F8A	12V 24V	GY-RI108ACD24/T6
FY-N32F12A	12V 24V	GY-RI112ACD24/T6
FY-N32F16A	12V 24V	GY-RI116ACD24/T6

## Omron FC 系列 Omron FC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NFC1C/OMR	D24	GY-RC901ACD24/T6OMR
FY-NFC2C/OMR	D24	GY-RC902ACD24/T6OMR
FY-NFC4C/OMR	D24	GY-RC904ACD24/T6OMR
FY-NFC6C/OMR	D24	GY-RC906ACD24/T6OMR
FY-NFC8C/OMR	D24	GY-RC908ACD24/T6OMR
FY-NFC10C/OMR	D24	GY-RC910ACD24/T6OMR
FY-NFC12C/OMR	D24	GY-RC912ACD24/T6OMR
FY-NFC14C/OMR	D24	GY-RC914ACD24/T6OMR
FY-NFC16C/OMR	D24	GY-RC916ACD24/T6OMR

## XC FC 系列 XC FC Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NFC1C	D24	GY-RC901ACD24/T6
FY-NFC2C	D24	GY-RC902ACD24/T6
FY-NFC4C	D24	GY-RC904ACD24/T6
FY-NFC6C	D24	GY-RC906ACD24/T6
FY-NFC8C	D24	GY-RC908ACD24/T6
FY-NFC10C	D24	GY-RC910ACD24/T6
FY-NFC12C	D24	GY-RC912ACD24/T6
FY-NFC14C	D24	GY-RC914ACD24/T6
FY-NFC16C	D24	GY-RC916ACD24/T6

## PA 系列 PA Series

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-PA08-1	24VDC	GY-RA108AND24/G4
FY-PA16-1	24VDC	GY-RA116AND24/G8

## T90 系列 T90 Series

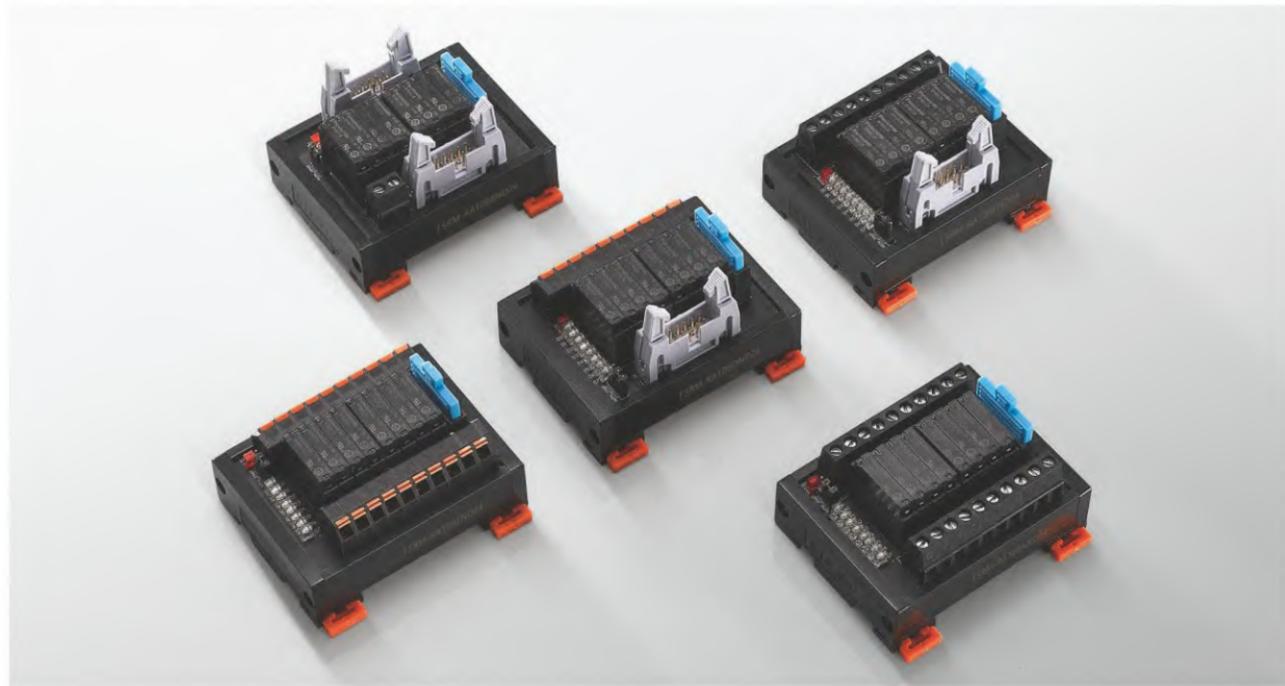
原型号 Original Model	规格 Specification	对应型号 Corresponding Model
FY-NT901C	AC/DC12V or 24V	GY-RF101VCD24/T4T6
FY-NT902C	AC/DC12V or 24V	GY-RF102VCD24/T4T6
FY-NT904C	AC/DC12V or 24V	GY-RF104VCD24/T4T6

## 模组短接片 Module Connector

原型号 Original Model	规格 Specification	对应型号 Corresponding Model
41F Short Bar	41F-RD	41F-J20/R
	41F-BK	41F-J20/Br
	41F-BU	41F-J20/B

# GY-RA1

Signal Relay Module  
信号继电器模块



## 产品特点 FEATURES

- 输入/输出侧带浪涌吸收回路，可有效延长继电器触点的寿命，并可减缓负载侧的瞬间冲击电流；
- NPN/PNP双极性输入对应，并且指示灯也会跟随输入信号的不同而亮不同颜色，绿色-NPN，红色-PNP；
- 输入侧接错线保护。
- The input/output side is equipped with surge absorption circuit, which can effectively prolong the service life of relay contacts and slow down the instantaneous impulse current at load side
- NPN/PNP bipolar input is compatible, and the indicator light will also light up in different colors according to the input signal, green-NPN, red-PNP;
- Wrong line protection at input side

## 适用范围 APPLICATION

适用于三菱、西门子、欧姆龙、松下等各类PLC。  
Applicable to Mitsubishi, Siemens, Omron, Panasonic and other PLC.

## 关联产品 RELATED PRODUCTS

APAN3124 继电器 Relay

GY-RA1系列信号继电器模块底座  
GY-RA1 Series Signal Relay Module Holder



APAN3124



GY-RA1 □□□□ Z

## 输入线圈参数 INPUT COIL PARAMETERS

• 额定电压 Rated voltage	5VDC/12VDC/24VDC
• 额定电流 Rated current	7.5mA, 8.3mA
• 动作电压 Action voltage	75%以上(常温环境)
• 释放电压 Release voltage	5%以下(常温环境)
• 动作时间 Action time	20ms以下
• 释放时间 Release time	10ms以下
• 接触电阻 Contact resistance	30mΩ 以下(DC6V 1A) 100mΩ 以下(DC6V 1A)
• 绝缘阻抗 Insulation resistance	1000mΩ (500VDC)

## 输出触点参数 OUTPUT CONTACT PARAMETERS

• 触点材质 Contact material	银合金 Silver Alloy
• 电气性能 Electrical Performance	5A/250VAC、5A/30VDC
• 机械耐久性 Mechanical durability	5000000次
• 使用环境温度 Operating ambient temperature	-40-85°C(无结冰、无凝霜)
• 使用环境湿度 Operating ambient humidity	20~85%

## 适合电线 SUITABLE WIRE

剥线长度: 6mm 1.5mm<sup>2</sup> Following /AWG16



# GY-RA1

Signal Relay Module  
信号继电器模块

## 型号解析 MODEL ANALYSIS

注: 无继电器配置的继电器模块座命名: 在工作电压后增加 Z  
Note: name of relay module base without relay configuration: Z after working voltage

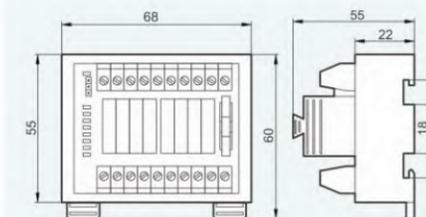
<b>GY</b>	-	<b>R</b>	<b>A1</b>	<b>04</b>	<b>A</b>	<b>N</b>	<b>D24</b>	/	<b>***</b>
品牌 Brand		继电器类型 Relay type	设计序列号 Design serial number	继电器控制单元数量 Number of relay control Bit	输入/输出端口类型 Input/output port type	输出端保护方式 Output protection mode	工作电压 Working voltage		配置继电器品牌或其他 Configure relay brand or other
继电器模块 Relay module		<b>R</b> 电磁继电器 Electromagnetic relay	<b>A</b> 信号继电器 Signal relay <b>A1</b> 50mm宽度信号继电器模块 50mm signal relay module	<b>02</b> 2位 2 Bit <b>04</b> 4位 4 Bit <b>06</b> 6位 6 Bit <b>08</b> 8位 8 Bit .....	<b>A</b> 螺钉式接线端子 Screw terminal <b>B</b> MIL连接器 MIL connector <b>T</b> T型弹片式接线端子 T Type Shrapnel terminal <b>C</b> B+A组合 B+A combination <b>D</b> B+T组合 B+T combination <b>F</b> A+B组合 A+B combination <b>G</b> T+B组合 T+B combination	<b>N</b> 无保护 Unprotected <b>C</b> 浪涌抑制 Surge suppression	<b>D5</b> 5VDC <b>D12</b> 12VDC <b>D24</b> 24VDC		<b>PAN</b> 松下 Panasonic <b>OMR</b> 欧姆龙 Omron <b>TYC</b> 泰科 Tyco <b>HF</b> 宏发 Hongfa <b>G</b> 出线共线 Outgoing collinear

## GY-RA108A/T

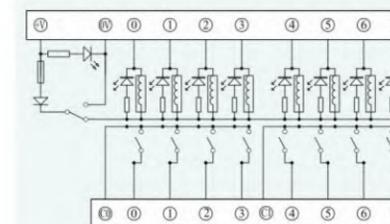
GY-RA108AND24/G4



## 外形尺寸图 Dimensions

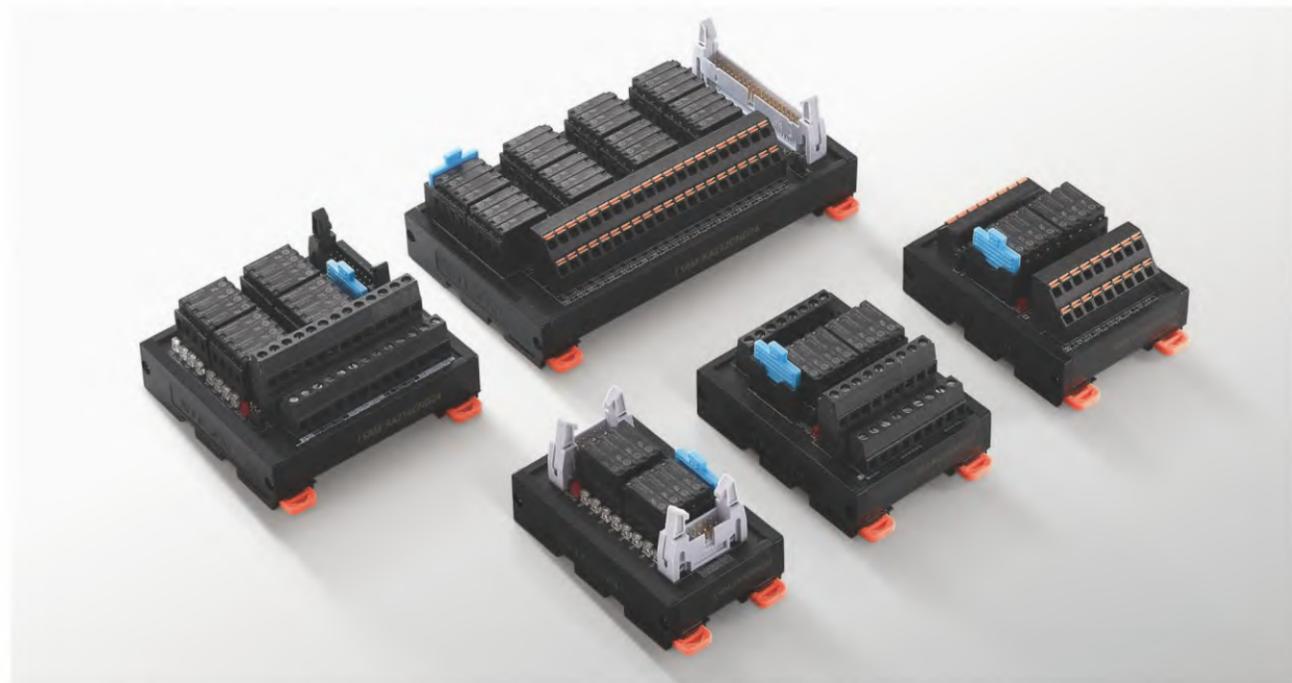


## 配线图 Wiring Diagram



# GY-RA2

Signal Relay Module  
信号继电器模块



# GY-RA2

Signal Relay Module  
信号继电器模块

## 型号解析 MODEL ANALYSIS



## 产品特点 FEATURES

- 输入/输出侧带浪涌吸收回路, 可有效延长继电器触点的寿命, 并可减缓负载侧的瞬间冲击电流;
- NPN/PNP双极性输入对应, 并且指示灯也会跟随输入信号的不同而亮不同颜色, 绿色-NPN, 红色-PNP;
- 输入侧接错线保护。
- The input/output side is equipped with surge absorption circuit, which can effectively prolong the service life of relay contacts and slow down the instantaneous impulse current at load side
- NPN/PNP bipolar input is compatible, and the indicator light will also light up in different colors according to the input signal, green-NPN, red-PNP;
- Wrong line protection at input side

## 适用范围 APPLICATION

适用于三菱、西门子、欧姆龙、松下等各类PLC。  
Applicable to Mitsubishi, Siemens, Omron, Panasonic and other PLC.

## 关联产品 RELATED PRODUCTS

APAN3124 继电器 Relay

GY-RA2系列信号继电器模块底座  
GY-RA2 Series Signal Relay Module Holder



APAN3124



GY-RA2□□□□Z

## 输入线圈参数 INPUT COIL PARAMETERS

• 额定电压 Rated voltage	5VDC/12VDC/24VDC
• 额定电流 Rated current	7.5mA, 8.3mA
• 动作电压 Action voltage	75%以上(常温环境)
• 释放电压 Release voltage	5%以下(常温环境)
• 动作时间 Action time	20ms以下
• 释放时间 Release time	10ms以下
• 接触电阻 Contact resistance	30mΩ 以下(DC6V 1A) 100mΩ 以下(DC6V 1A)
• 绝缘阻抗 Insulation resistance	1000mΩ (500VDC)

## 输出触点参数 OUTPUT CONTACT PARAMETERS

• 触点材质 Contact material	银合金 Silver Alloy
• 电气性能 Electrical Performance	5A/250VAC、5A/30VDC
• 机械耐久性 Mechanical durability	5000000次
• 使用环境温度 Operating ambient temperature	-40-85°C(无结冰、无凝霜)
• 使用环境湿度 Operating ambient humidity	20~85%

## 适合电线 SUITABLE WIRE

剥线长度: 6mm 1.5mm<sup>2</sup> Following /AWG16



# GY-RA4

Signal Relay Module  
信号继电器模块

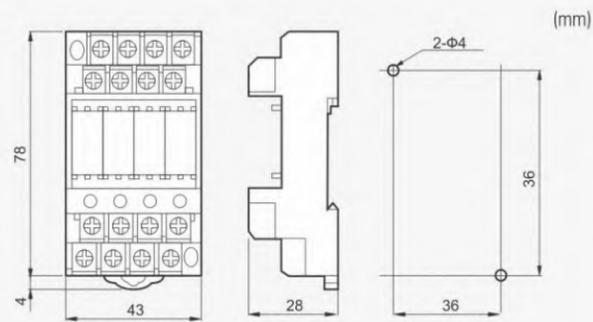


## GY-RA404AND24特点 FEATURES

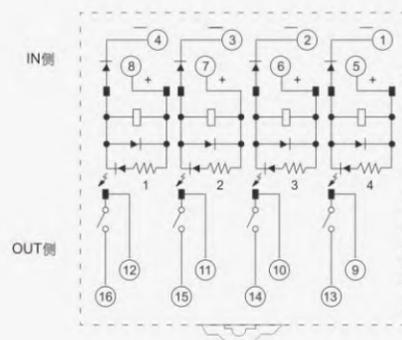
- 内置4个小型、高灵敏度、耐高压的5A功率开关的G6B微型继电器；
- 继电器本体为塑料密封型；
- 端子为IN/OUT分离结构，因此配线方便；
- 带动作指示LED；
- 线圈浪涌吸收用二极管内置；
- 插座专用，因此继电器的更换简单(高可靠型除外)；
- 也备有DIN导轨安装、螺钉安装共用型。
- G6B micro relay with four small, high sensitivity, high voltage resistant 5A power switches built in;
- The relay body is plastic sealed;
- The terminal is in/out separated structure, so the wiring is convenient;
- With action indication LED;
- Built in diode for coil surge absorption;
- Special-purpose socket, so the replacement of relay is simple (except for high reliability type);
- DIN rail mounting and screw mounting are also available.



## 外形尺寸图 DIMENSIONS



## 接线图 WIRING DIAGRAM

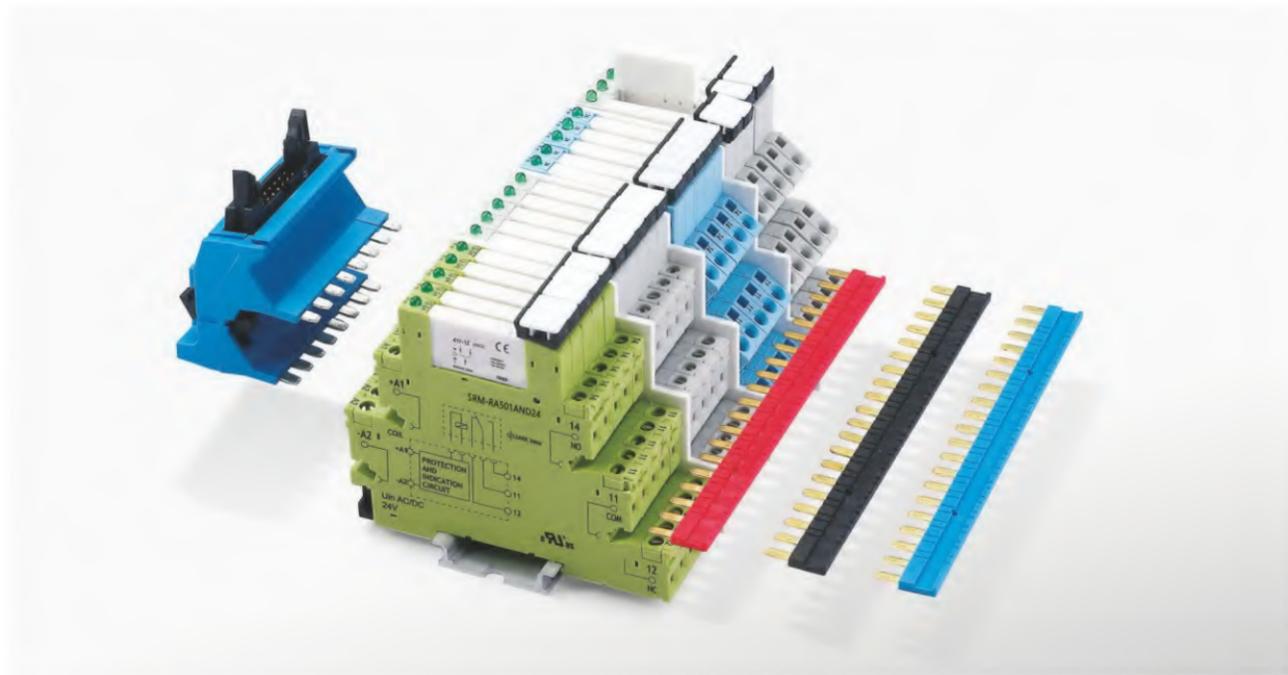


## 规格参数 SPECIFICATIONS

• 额定电压 Rated voltage	5VDC/12VDC/24VDC	
• 额定负载 Rated load	AC250V 5A; DC30V 5A	
• 接触电阻 Contact Resistance	100mΩ以下 Below 100mΩ	
• 动作时间(实效性) Action Time(effectiveness)	10ms以下(约3ms) less than 10ms(about 3ms)	
• 复位时间(实效性) Reset Time(effectiveness)	15ms以下(约4ms) less than 15ms(about 4ms)	
• 绝缘电阻 Insulation Resistance	100mΩ以上(DC500V兆欧表) more the 100mΩ(DC500V megger)	
• 耐压 Withstand voltage	同极接点间 Between homopolar contacts	AC1000V 50/60Hz 1min
	异极接点间 Between different pole contacts	AC2000V 50/60Hz 1min
	接点/线圈之间 Between contacts/coils	AC2000V 50/60Hz 1min
	异极线圈之间 Between different pole coils	AC250V 50/60Hz 1min
• 振动 Vibration	耐久 Durable	10~55~10Hz单振幅0.75 (双振幅1.5mm)
	误动作 Misoperation	10~55~10Hz single amplitude 0.75 (double amplitude 1.5mm)
• 冲击 Impulse	耐久 Durable	1000m/s <sup>2</sup>
	误动作 Misoperation	100m/s <sup>2</sup>
• 耐久性 Durability	机械寿命 Mechanical life	5000万次以上(开关频率18000次/h) More than 50 million times (switching frequency 18000 times/h)
	电气寿命 Electrical life	10万次以上(额定负载、开关频率1800次/h) More than 10000 times(rated load, switching frequency 1800 times/h)
• 故障率P水准 Failure rate P level		DC5V 10mA
• 使用环境温度 Operating ambient temperature		-25°C~+55°C(无结冰)
• 保存温度 Storage Temperature		-25°C~+55°C(no ice)
• 使用环境湿度 Humidity of working environment		45~85%(RH)
• 质量 Quality		约75g About 75g

# FY-41F

Signal Relay Module  
信号继电器模块



## 产品特点 FEATURES

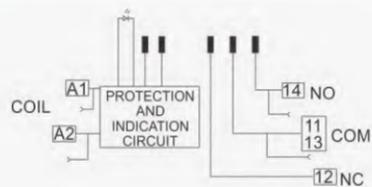
- 继电器电压 6V ~ 250V, 触点材料 AgSnO<sub>2</sub>
- 最高可达 6A
- 线圈 UC = AC/DC, 无需保护电路
- LED 状态显示
- 适用于螺钉端子或弹片端子
- 跨接片连接
- 超薄型, 宽度仅 6.2mm

- Relay module up to 6V ~ 250V, different contact materials
- Solid state modules for most loads DC and AC up to 6A
- Coil UC = AC/DC, no protection circuit required
- LED status display
- Screw terminals or cage clamp terminals
- Jumper link
- Ultra thin design and width only: 6.2mm

## 适用范围 APPLICATION

适用于各类 PLC 过程控制, 采用大功率 AgNi 材质触点。  
适用螺钉端子或弹片端子  
推荐最大值, 额定负载 250V 6A 电阻。跨接片连接可选。  
For PLC's and process control, high power contact AgNi. With screw terminals or cage clamp terminals  
Recommended max. load 250V 6A resistive. Jumper link optional.

## 接线图 WIRING DIAGRAM



## 规格参数 SPECIFICATIONS

• 触点 Contact	1 CO
• 开关电流 Switching current ITH	6A 250V AC
• 最小负载 Recommended minimal load	100mA / 12V
• 切换容量 Switch power DC-1 30V	180W
• 切换容量 Switch power AC-1 230V	1500VA
• 切换容量 Switch power DC-15 230V	300VA
• 浪涌电流 Peak inrush current	15A / 2.5ms
• 耐久性 Durability	机械寿命 Mechanical life 10x10 <sup>6</sup> 电气寿命 Electrical life 3x10 <sup>4</sup>
• 隔离 Isolation EN 61810-5	6 KV
• 工作电压 Operation voltage AC 50/60 Hz / DC	0.8 ~ 1.25Un
• 功耗 Power consumption Pmax 24V/230V	408 / 900mW
• 延迟/释放时间 On delay / release time	7 / 15ms
• 使用环境温度 Temperature	工作温度 Operating Temp. -40 ~ 70°C 储存温度 Storage Temp. -40 ~ 85°C

# FY-41F

Signal Relay Module  
信号继电器模块

## 型号解析 MODEL ANALYSIS

<b>FY</b>	—	<b>41F</b>	—	<b>1</b>	/		—	
FY系列		41F:系列号		种类		可选电压		外壳颜色
						12V, 24V, 48V, 60VDC/AC; 110VAC, 220VAC		灰白 黑色 绿色 蓝色

## 插座参数 SOCKET SPECIFICATIONS

插座型号 Type	额定电压 Rated Voltage	额定电流 Rated Current	环境温度 Temperature	插座线圈端 输入电压 Input Voltage	适用继电器 额定电压 Apply to Relay the Rated Voltage	输入电压极性 Input voltage polarity	螺钉扭矩 Screw Torque	剥线长度 Stripped Wire Length
FY-41F-1	250VAC	6A	-40°C~70°C	AC/DC12V	12VDC	-	0.5N.M	7mm
				AC/DC24V	24VDC	-	0.5N.M	7mm
				AC/DC48V	48VDC	-	0.5N.M	7mm
FY-41F-2	250VAC	6A	-40°C~70°C	110V/230V	60VDC	-	0.5N.M	7mm
				AC/DC12V	12VDC	-	0.5N.M	7mm
				AC/DC24V	24VDC	-	0.5N.M	7mm
FY-41F-3	250VAC	6A	-40°C~70°C	110V/230V	60VDC	-	0.5N.M	7mm
				AC/DC12V	12VDC	-	-	7mm
				AC/DC24V	24VDC	-	-	7mm
				110V/230V	60VDC	-	-	7mm

# GY-RA5

Signal Relay Module  
信号继电器模块

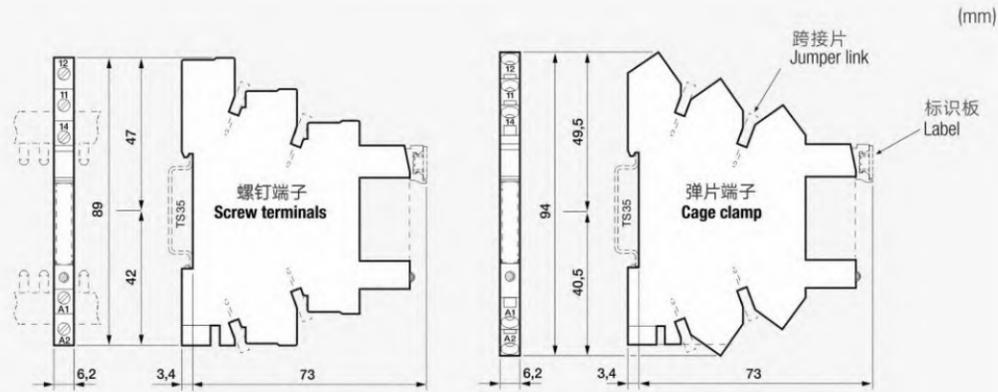
## 外形尺寸图 DIMENSIONS

### 可选配件 OPTIONS

RA5 标识板 Label  
RA5-M

RA5 跨接片 Jumper link  
RA5-J1 (蓝Blue)  
RA5-J1R (红Red)  
RA5-J1B (黑Black)

RA5 隔离板 Separator  
RA5-S



## 配件 ACCESSORY

### RA5-AR 适配器 Adapter



#### 主要技术参数 Technical data

额定电流(每条) Rated current (per signal path)	1A
最小功率 Minimum required supply power	3W
常规电压 Nominal voltage (UN)	24V DC
工作范围 Operating range	(0.8~1.1)UN
逻辑控制 Control logic	极性切换 Positive switching (to A)
电源状态指示 Power supply status indication	绿色 Green LED
适用温度范围 Ambient temperature range	-40°C ~ +70°C

#### 24V逻辑控制端子 Terminals for 24V control logic

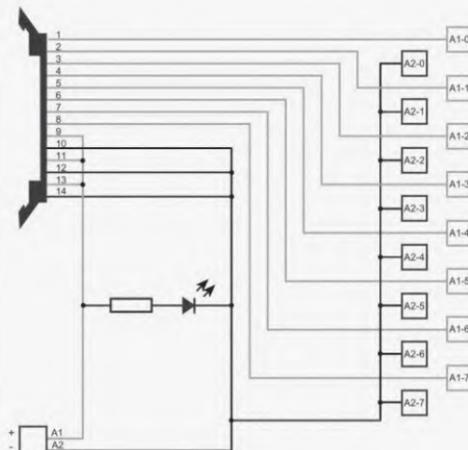
连接器类型 Type of connector	14 极,符合 IEC 60603-13 14 pole, according to IEC 60603-13
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#### 24V电源端子 Terminals for 24V Power supply

线带长度 Wire strip length	9.5mm
螺丝扭矩 Screw torque	0.5Nm

最大线径 Max.wire size	实心线 Solid wire	1x4/2x1.5 mm <sup>2</sup>
		1x12/2x16 AWG
	绞线 Stranded wire	1x2.5/2x1.5 mm <sup>2</sup>
		1x14/2x16 AWG

#### 配线图 Wiring Diagram



# GY-RA6/7

Signal Relay Module  
信号继电器模块



## 产品特点 FEATURES

- 触点负载能力 6A 250VAC/30VDC ;
- 4,8,12,16,32通道多种规格可选(可定制其他位数) ;
- 无极性接线, 有效避免接线错误导致的工作故障 ;
- 具有快速接通和分断的动作反应特性 ;
- 配套升级继电器带插座, 可快速更换, 方便维护。
- Contact load capacity: 6A 250VAC/30VDC ;
- 4, 8, 12, 16, 32 Bit are available(Other digits can be customized);
- Non-polar wiring, effectively avoiding work failures caused by wiring errors;
- With fast switching on and off action response characteristics;
- Supporting upgrade relay with socket, which can be replaced quickly and convenient for maintenance.

## 关联产品 RELATED PRODUCTS

41F继电器 Relay

GY-RA6/7系列信号继电器模块底座  
GY-RA6/7 Series Signal Relay Module Holder



41F



GY-RA6□□□□Z  
GY-RA7□□□□Z

## 规格参数 SPECIFICATIONS

#### 输入端 INPUT DATA

额定电压 Rated voltage	5VDC/12VDC/24VDC
单路工作功耗 Single power consumption	约216mW
接线极性要求 Wiring polarity	无极性要求 No polarity
接线类型 Terminal type	欧式接线端子 European terminal
控制通道数 Number of control Bit	4,8,12,16,32

#### 输出端 OUTPUT DATA

继电器型号 Relay type	41F
触点类型 Contact type	1Z/1H
额定电压 Rated voltage	250VAC/30VDC
额定电流 Rated current	6A/路
接线类型 Terminal type	欧式接线端子 European terminal

#### 环境及安规参数 CONDITIONS OF USE

工作温度 Operating temperature	-20~55°C	
存储温度 Storage temperature	-40~70°C	
安装方式 Installation	DIN35 DIN-G导轨安装	
标准符合性 Standard	IEC61010-1	
测试耐压 (50Hz, 1min)	输出通道间	2kV
	输入与输出间	4kV
污染等级 Pollution level	2	
过电压等级 Overvoltage	II	

#### 典型时间参数 TYPICAL TIME DATA

动作时间 Action time	<6ms
释放时间 Release time	<3.0ms

# GY-RA6/7

Signal Relay Module  
信号继电器模块

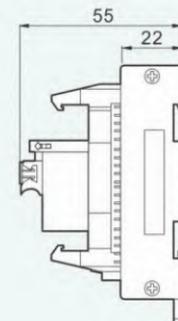
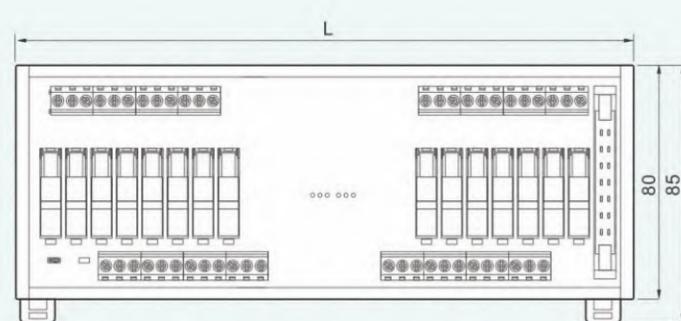
## 型号解析 MODEL ANALYSIS



## 配线图及外形图 WIRING DIAGRAM AND DIMENSIONS

外形尺寸图 Dimensions

(mm)

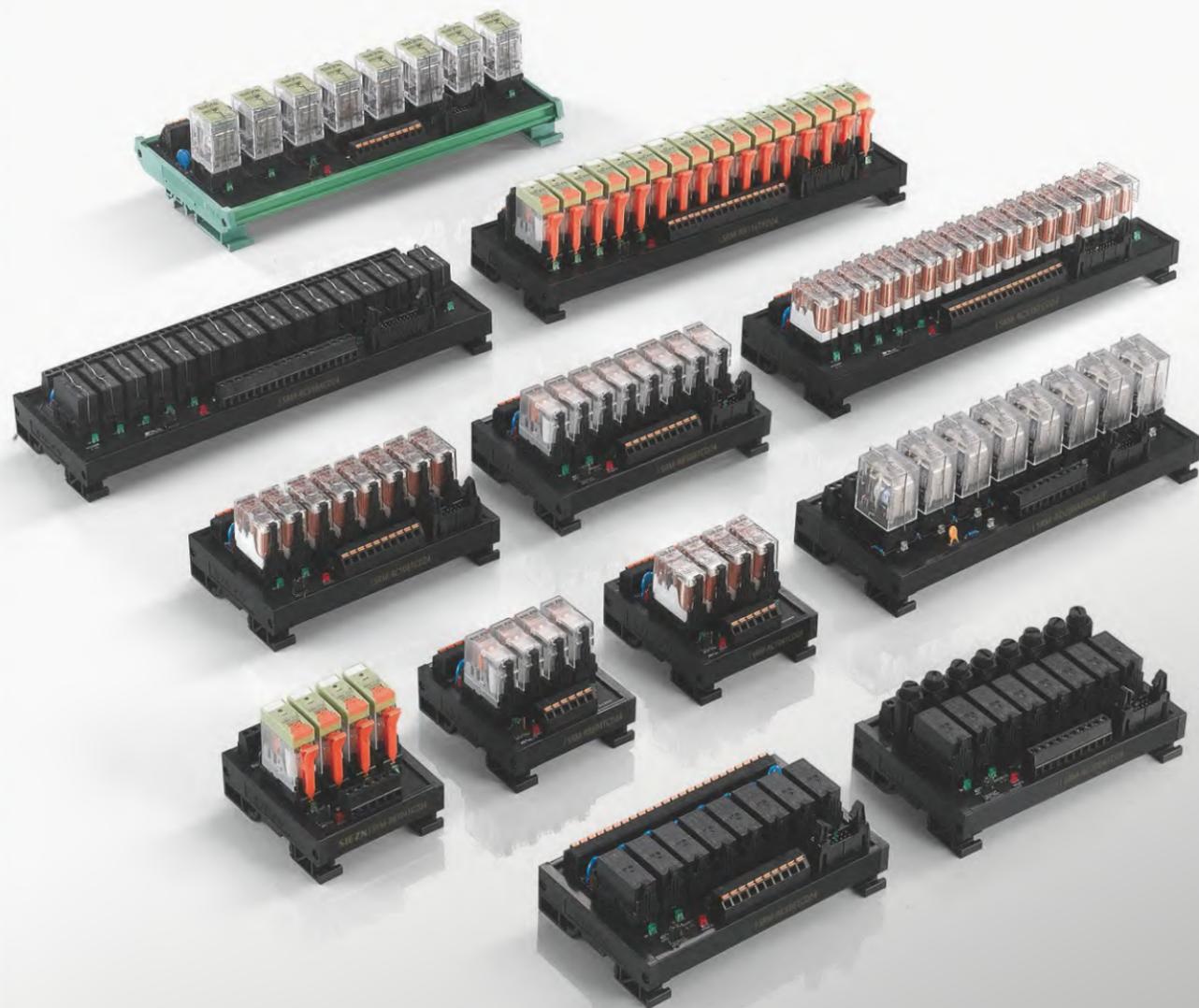


位数 Bit	L宽度
4位	56
8位	63
12位	72
16位	89
32位	148



# Power Relay Module

## 功率继电器模块



# GY-RB1/2/3/4

Power Relay Module  
功率继电器模块



## 产品特点 FEATURES

- 输入输出采用欧式端子或弹片式免螺丝端子
- NPN/PNP双极性兼容
- 带有指示灯工作状态指示
- RB1/RB2系列带有自锁及瞬动式测试按钮的SRK-T1C/T2C继电器
- 带有输入保护, 多种输出保护类型
- The input and output adopts European terminal or spring type screw free terminal
- NPN / PNP is bipolar compatible
- Working status indication with indicator light
- RB1/RB2 series SRK-T1C/T2C relays with self-locking and momentary test buttons
- With input protection, multiple output protection types

## 适用范围 APPLICATION

适用于发那科、三菱、西门子等数控系统, 以及自动化设备、加工机械焊接设备等各类工农业机器设备。

It is applicable to CNC systems such as FANUC, Mitsubishi and Siemens, as well as various industrial and agricultural machinery and equipment such as automation equipment, processing machinery and welding equipment.

## 适合电线 SUITABLE WIRE

剥线长度: 6mm 1.5mm<sup>2</sup> Following /AWG16



## 规格参数 SPECIFICATIONS

### 输入线圈参数 INPUT COIL PARAMETERS

• 驱动方式 Driving mode	NPN/PNP 兼容Compatible
• 额定电压 Rated voltage	12VDC/24VDC/220VAC
• 单路额定功耗 Single power consumption	DC:0.53W AC:1.0VA
• 动作电压 Action voltage	额定电压X70% Rated voltage
• 释放电压 Release voltage	额定电压X10% Rated voltage
• 动作时间 Action time	≤15ms
• 释放时间 Release time	≤10ms

### 输出触点参数 OUTPUT CONTACT PARAMETERS

• 触点类型 Contact type	1C NO: 15A 277VAC/30VDC 1C NC: 12A 277VAC/30VDC 2C: 8A 277VAC/30VDC 1/3HP
• 电气寿命 Electrical life	1x10 <sup>5</sup>
• 机械寿命 Mechanical life	1x10 <sup>7</sup>
• 触点材料 Contact material	银合金Silver alloy
• 接触电阻 Contact resistance	≤100mΩ(6VDC 1A)
• 保护电路 Protection circuit	RC,压敏电阻,熔断可选

### 连接器 CONNECTOR

• 剥线长度 Strip length	6mm
• 扭矩 Torque	0.4Nm/(3.54Lb-in)
• 输入端子类型 Input terminal type	欧式接线端子、弹片式直插端子
• 输出端子类型 Output terminal type	MIL 连接器
• 输入端子线径 Input wire diameter	0.2-2.5mm /26-14AWG
• 输出端子线径 Output wire diameter	0.2-2.5mm /26-14AWG

工作温度 WORKING TEMPERATURE	-10~55°C
存储温度 STORAGE TEMPERATURE	-40~70°C

# GY-RB1/2/3/4

Power Relay Module  
功率继电器模块

## 型号解析 MODEL ANALYSIS

<b>GY</b>	-	<b>R</b>	<b>B1</b>	<b>04</b>	<b>A</b>	<b>N</b>	<b>D24</b>	/	<b>***</b>
品牌 Brand		继电器模块 Relay module	设计序列号 Design serial number	继电器控制单元数量 Number of relay control Bit	输入/输出端口类型 Input/output port type	输出端保护方式 Output protection mode	工作电压 Working voltage		配置继电器品牌 Configure relay brand
			<b>B</b> SRK系列继电器 SRK series relay	<b>02</b> 2位 2 Bit	<b>A</b> 升降端子 Lifting terminal	<b>N</b> 无保护 Unprotected	<b>D12</b> 12VDC		<b>无</b> SIEZN继电器 SIEZN relay
			<b>B1</b> SRK-T1C转换型 Conversion type	<b>04</b> 4位 4 Bit	<b>T</b> 弹片式端子 Shrapnel terminal	<b>C</b> 浪涌抑制 Surge suppression	<b>D24</b> 24VDC		<b>OMR</b> 欧姆龙 Omron
			<b>B2</b> SRK-T2C转换型 Conversion type	<b>06</b> 6位 6 Bit		<b>F</b> 熔断保护 Fuse protection	<b>A220</b> 220VAC		<b>IDE</b> 和泉 IDEC
			<b>B3</b> SRK-1C转换型 Conversion type	<b>08</b> 8位 8 Bit					<b>HON</b> 霍尼韦尔 Honeywell
			<b>B4</b> SRK-2C转换型 Conversion type	.....					<b>TYC</b> 泰科 Tyco
		<b>R</b> 电磁继电器 Electromagnetic relay							

注: 无继电器配置的继电器模块座命名: 在工作电压后增加.Z  
Note: name of relay module base without relay configuration: .Z after working voltage

## 关联产品 RELATED PRODUCTS

SRK-T 继电器 Relay      SRK 继电器 Relay      GY-RB1/2/3/4 系列功率继电器模块底座 Series Power Relay Module Holder

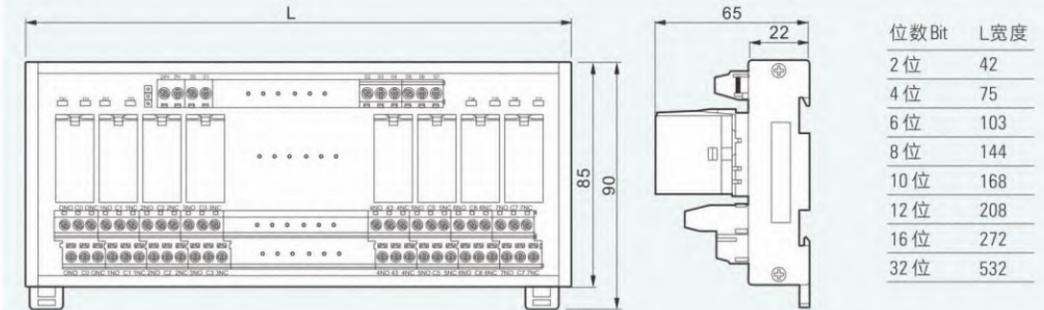


# GY-RB1/2/3/4

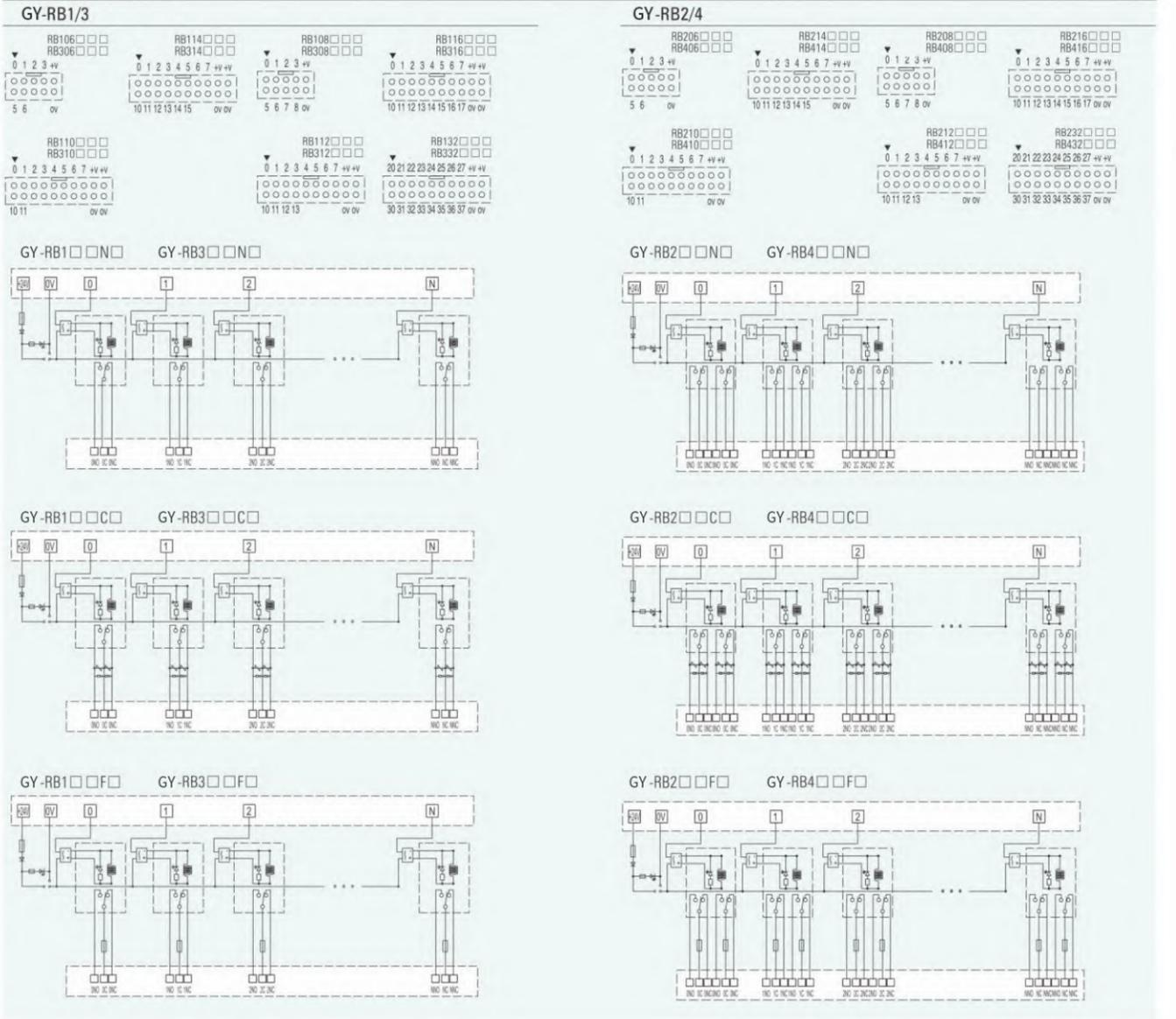
Power Relay Module  
功率继电器模块

## 配线图及外形图 WIRING DIAGRAM AND DIMENSIONS

外形尺寸图 Dimensions (mm)



### 配线图 Wiring Diagram



# GY-RC5/6

Power Relay Module  
功率继电器模块



# GY-RC5/6

Power Relay Module  
功率继电器模块

## 型号解析 MODEL ANALYSIS



## 产品特点 FEATURES

- 输入输出采用欧式端子或弹片式免螺丝端子
- NPN/PNP双极性兼容
- 带有指示灯工作状态指示
- 带有输入保护, 多种输出保护类型
- The input and output adopts European terminal or spring type screw free terminal
- NPN / PNP is bipolar compatible
- Working status indication with indicator light
- With input protection, multiple output protection types

## 规格参数 SPECIFICATIONS

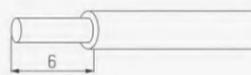
输入线圈参数 INPUT COIL PARAMETERS	
• 驱动方式 Driving mode	NPN/PNP 兼容Compatible
• 额定电压 Rated voltage	12VDC / 24VDC / 220VAC
• 单路额定功耗 Single power consumption	DC:0.53W AC:1.0VA
• 动作电压 Action voltage	额定电压X70% Rated voltage
• 释放电压 Release voltage	额定电压X10% Rated voltage
• 动作时间 Action time	≤ 15ms
• 释放时间 Release time	≤ 10ms
输出触点参数 OUTPUT CONTACT PARAMETERS	
• 触点类型 Contact type	1C NO: 16A 250VAC/30VDC 2C:10A 250VAC/30VDC
• 电气寿命 Electrical life	1x10 <sup>5</sup>
• 机械寿命 Mechanical life	1x10 <sup>7</sup>
• 触点材料 Contact material	银合金Silver alloy
• 接触电阻 Contact resistance	≤ 100mΩ(6VDC 1A)
• 保护电路 Protection circuit	RC,压敏电阻,熔断可选
连接器 CONNECTOR	
• 剥线长度 Strip length	6mm
• 扭矩 Torque	0.4Nm/(3.54Lb-in)
• 输入端子类型 Input terminal type	欧式接线端子、弹片式直插端子
• 输出端子类型 Output terminal type	MIL 连接器
• 输入端子线径 Input wire diameter	0.2-2.5mm /26-14AWG
• 输出端子线径 Output wire diameter	0.2-2.5mm /26-14AWG
• 工作温度 WORKING TEMPERATURE	-10~55°C
• 存储温度 STORAGE TEMPERATURE	-40~70°C

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适用于发那科、三菱、西门子等数控系统, 以及自动化设备、加工机械焊接设备等各类工农业机器设备。  
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剥线长度: 6mm 1.5mm<sup>2</sup> Following /AWG16



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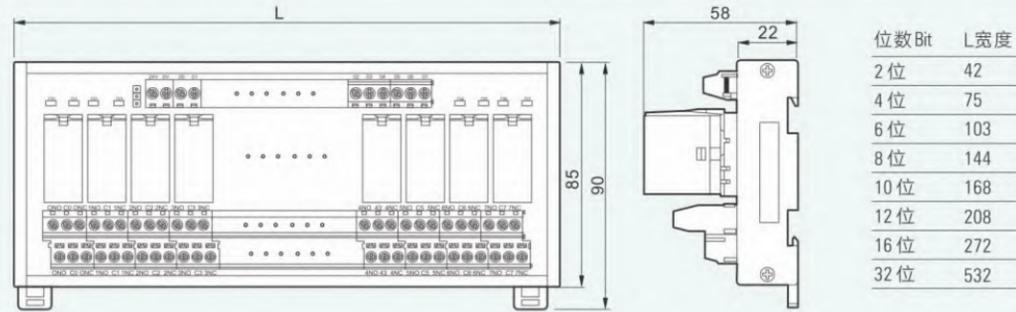


# GY-RC5/6

Power Relay Module  
功率继电器模块

## 配线图及外形图 WIRING DIAGRAM AND DIMENSIONS

外形尺寸图 Dimensions (mm)



### 配线图 Wiring Diagram

