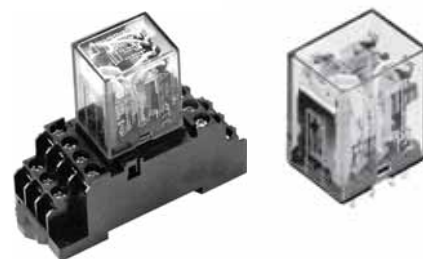


## 一般通用继电器

## MYJ

|      |              |     |
|------|--------------|-----|
| 相关信息 | 商品选择 .....   | 792 |
|      | 共通注意事项 ..... | 804 |
|      | 技术指南 .....   | 915 |
|      | 用语说明 .....   | 938 |

升级版小型功率继电器，备有多种型号，适合各种顺序控制和功率应用。



⚠ 详情请参阅804页的「共通注意事项」。

## 种类

| 分类  | 接点形式 | 插入/焊接端子   |          |
|---|------|---|----------|
|   |      |  | 带LED指示灯  |
| 标准  | DPDT | MY2J  | MY2NJ    |
|   | 4PDT | MY4J  | MY4NJ    |
| 内置二极管(仅直流)  | DPDT | MY2J-D  | MY2NJ-D2 |
|   | 4PDT | MY4J-D  | MY4NJ-D2 |
| 内置CR元件<br>(仅220/240VAC, 200/220VAC, 100/110VAC, 110/120VAC) | DPDT | MY2J-CR   | MY2NJ-CR |
|   | 4PDT | MY4J-CR   | MY4NJ-CR |

注. 订货时，在型号编号上加上额定线圈电压，额定线圈电压见线圈额定值表。

例: MY2J, 6VAC  
└── 额定线圈电压

## 额定值/性能

额定值  
线圈额定值

| 额定电压     | 额定值电流 (mA) |             | 线圈电阻 (Ω)  | 电感 (参考值) |        | 动作电压 (V) | 复位电压 (V) | 最大容许电压 (V)    | 消耗功率 (约)          |                   |
|----------|------------|-------------|-----------|----------|--------|----------|----------|---------------|-------------------|-------------------|
|          | 50Hz       | 60Hz        |           | Arm.OFF  | Arm.ON |          |          |               |                   |                   |
| AC       | 6V         | 214.1mA     | 183mA     | 12.2Ω    | 0.04H  | 0.08H    | 30% min. | 额定电压的<br>110% | 1.0 ~ 1.2VA(60Hz) |                   |
|          | 12V        | 106.5mA     | 91mA      | 46Ω      | 0.17H  | 0.33H    |          |               |                   |                   |
|          | 24V        | 53.8mA      | 46mA      | 180Ω     | 0.69H  | 1.30H    |          |               |                   |                   |
|          | 50V        | 25.7mA      | 22mA      | 788Ω     | 3.22H  | 5.66H    |          |               | 80% max.          | 0.9 ~ 1.1VA(60Hz) |
|          | 100/110V   | 11.7/12.9mA | 10/11mA   | 3,750Ω   | 14.5H  | 24.6H    |          |               |                   |                   |
|          | 110/120V   | 9.9/10.8mA  | 8.4/9.2mA | 4,430Ω   | 19.2H  | 32.1H    |          |               |                   |                   |
|          | 200/220V   | 6.2/6.8mA   | 5.3/5.8mA | 12,950Ω  | 54.8H  | 94.1H    |          |               |                   |                   |
| 220/240V | 4.8/5.3mA  | 4.2/4.6mA   | 18,790Ω   | 83.5H    | 136H   |          |          |               |                   |                   |
| DC       | 6V         | 150mA       |           | 40Ω      | 0.17H  | 0.33H    | 10% min. | 0.9W          |                   |                   |
|          | 12V        | 75mA        |           | 160Ω     | 0.73H  | 1.37H    |          |               |                   |                   |
|          | 24V        | 36.9mA      |           | 650Ω     | 3.20H  | 5.72H    |          |               |                   |                   |
|          | 48V        | 18.5mA      |           | 2,600Ω   | 10.6H  | 21.0H    |          |               |                   |                   |
|          | 100/110V   | 9.1mA/10mA  |           | 11,000Ω  | 45.6H  | 86.2H    |          |               |                   |                   |

注1. 额定值电流、线圈电阻是线圈温度在+23 时的值，公差为AC额定值电流+15%、-20%，DC线圈电阻±15%。

注2. 动作特性是线圈温度在+23 时的值。

注3. AC线圈电阻、电感为参考值（60Hz时）。

注4. 根据上述值测定了功率消耗点。当晶体管驱动时，请确认漏电流并根据需要连接泄放电阻。

接点额定值

| 项目     | 双极                       |                                     | 4极                       |                                     |
|--------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
|        | 阻性负载<br>( $\cos\phi=1$ ) | 感性负载<br>( $\cos\phi=0.4$ , L/R=7ms) | 阻性负载<br>( $\cos\phi=1$ ) | 感性负载<br>( $\cos\phi=0.4$ , L/R=7ms) |
| 额定负载   | 5A, 220VAC<br>5A, 24VDC  | 2A, 220VAC<br>2A, 24VDC             | 3A, 220VAC<br>3A, 24VDC  | 0.8A, 220VAC<br>1.5A, 24VDC         |
| 负载电流   | 5A                       |                                     | 3A                       |                                     |
| 最大开关电压 | 250VAC, 125VDC           |                                     | 250VAC, 125VDC           |                                     |
| 最大开关电流 | 5A                       |                                     | 3A                       |                                     |
| 最大开关容量 | 1,100VA<br>120W          | 440VA<br>48W                        | 660VA<br>72W             | 176VA<br>36W                        |
| 最小容许负载 | 1mA, 5VDC                |                                     | 1mA, 1VDC                |                                     |
| 接点材质   | 银                        |                                     | 银 + 镀金                   |                                     |

注: P 水平:  $= 0.1 \times 10^{-6}$ 操作, 参考值

性能

|        |                        |                               |                   |
|--------|------------------------|-------------------------------|-------------------|
| 接触电阻   | 50mΩ以下                 |                               |                   |
| 动作时间   | 20ms以下                 |                               |                   |
| 复位时间   | 20ms以下                 |                               |                   |
| 操作频率   | 机械                     | 18,000次/小时                    |                   |
|        | 电气                     | 18,000次/小时                    |                   |
| 绝缘电阻   | 100MΩ以上 (在500VDC)      |                               |                   |
| 绝缘强度   | 线圈与接点间                 | 2,000VAC, 50/60 Hz 1分钟        |                   |
|        | 与同极接点间                 | 1,000VAC, 50/60 Hz 1分钟        |                   |
| 振动     | 破坏                     | 10 ~ 55Hz, 1.0mm双振幅           |                   |
|        | 故障                     | 10 ~ 55Hz, 1.0mm双振幅           |                   |
| 冲击     | 破坏                     | 1,000m/s <sup>2</sup> (约100G) |                   |
|        | 故障                     | 200m/s <sup>2</sup> (约20G)    |                   |
| 周围环境温度 | -55 ~ 70 (不结冰)         |                               |                   |
| 周围环境湿度 | 35% ~ 85%RH            |                               |                   |
| 寿命     | 机械<br>(开关频率18,000次/小时) | AC线圈                          | 40,000,000次以上     |
|        |                        | DC线圈                          | 80,000,000次以上     |
|        | 电气<br>(开关频率1,800次/小时)  | 2极                            | 400,000次以上(额定负载下) |
|        |                        | 4极                            | 160,000次以上(额定负载下) |
| 重量     | 约35g                   |                               |                   |

注: 上述值均为初始值。

附件(另售)

插座及继电器保持夹子

| 继电器类型       | 极数 | 前端连接插座<br>(导轨/螺丝安装) |        | 后端连接插座 |       |         |
|-------------|----|---------------------|--------|--------|-------|---------|
|             |    | 插座                  | 夹子     | 插座     | 夹子    | 带夹子插座   |
| MY2J, MY2NJ | 2  | PYF08A-C            | PYC-A1 | PY08   | PYC-P | PY08-Y1 |
|             |    | PYF08A-E            |        |        |       |         |
| MY4J, MY4NJ | 4  | PYF14A-C            |        | PY14   |       | PY14-Y1 |
|             |    | PYF14A-E            |        |        |       |         |

用于插座及继电器保持夹子的安装片

| 插座型号       | 适用于1个插座 | 适用于18个插座 | 适用于36个插座 | 夹子    |
|------------|---------|----------|----------|-------|
| PY08, PY14 | PYP-1   | PYP-18   | PYP-36   | PYC-S |

注: PYP-18和PYP-36可根据插座数目切成任何希望的长度。

继电器

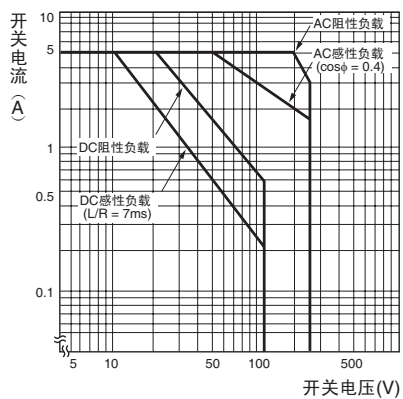
一般继电器

技术指南

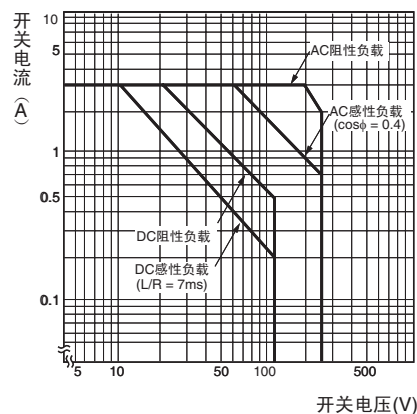
特性数据

开关容量的最大值

MY2J

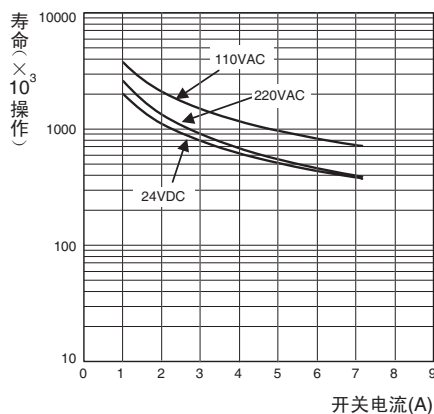


MY4J

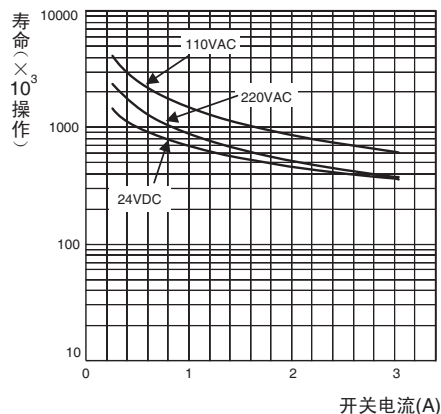


寿命

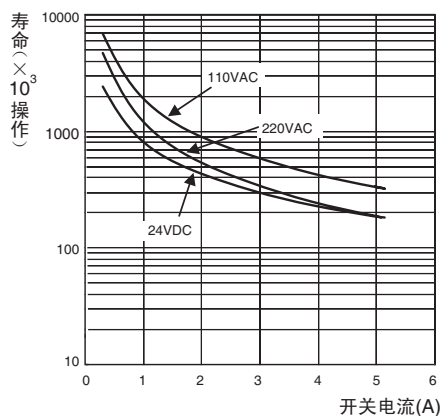
MY2J(阻性负载)



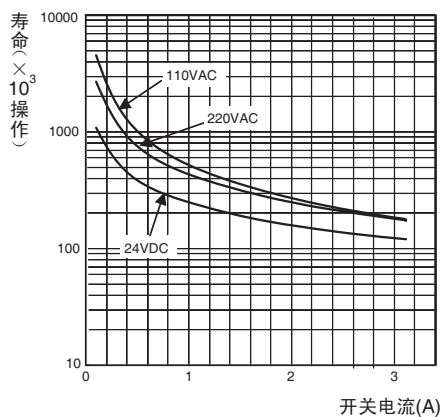
MY2J(感性负载)



MY4J(阻性负载)



MY4J(感性负载)



继电器

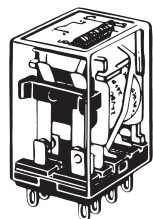
一般继电器

技术指南

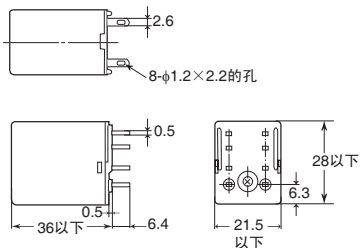
外形尺寸

(单位: mm)

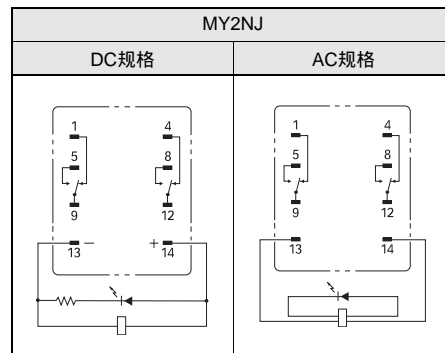
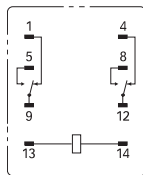
MY2J、MY2NJ、MY2J-D、MY2NJ-D2、  
MY2J-CR、MY2NJ-CR



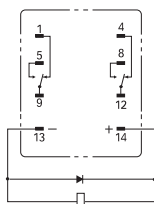
注. DC型号具有极性。



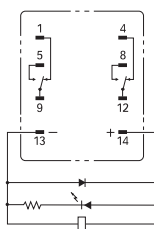
MY2J



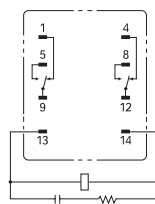
MY2J-D



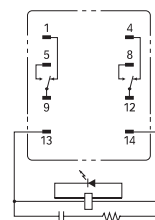
MY2NJ-D2



MY2J-CR

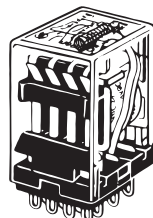


MY2NJ-CR

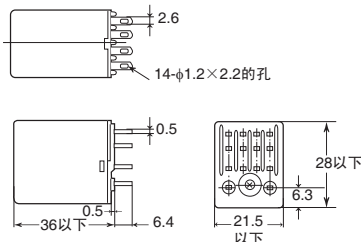


CAD数据

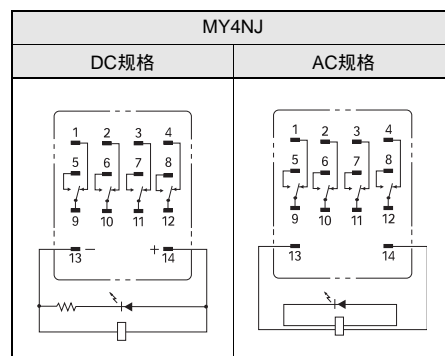
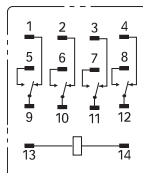
MY4J、MY4NJ、MY4J-D、MY4NJ-D2  
MY4J-CR、MY4NJ-CR



注. DC型号具有极性。



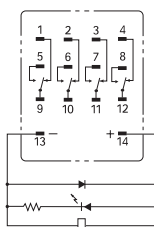
MY4J



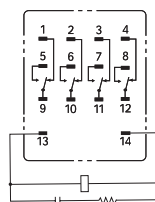
MY4J-D



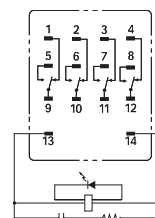
MY4NJ-D2



MY4J-CR



MY4NJ-CR



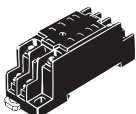
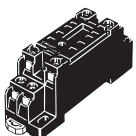
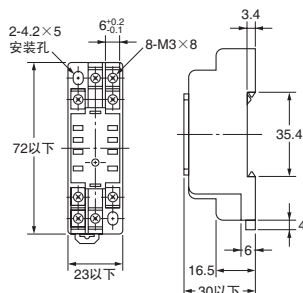
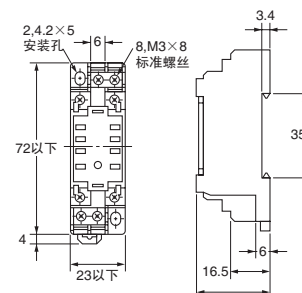
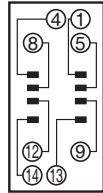
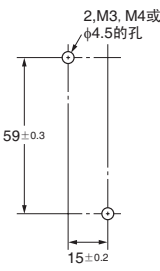
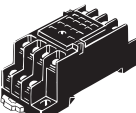
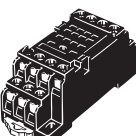
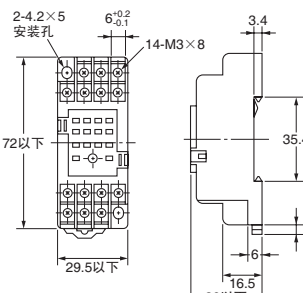
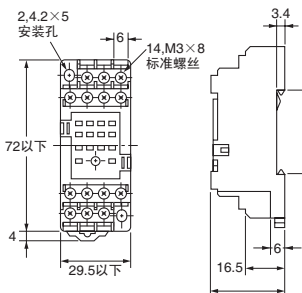
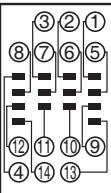
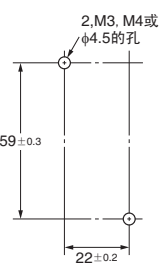
CAD数据

继电器

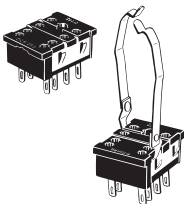
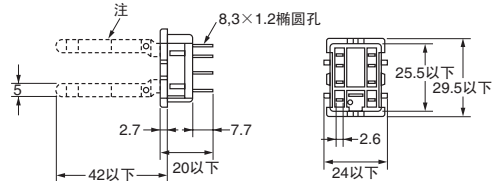
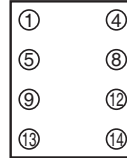
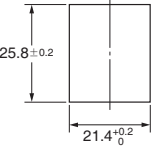
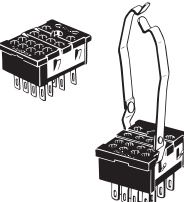
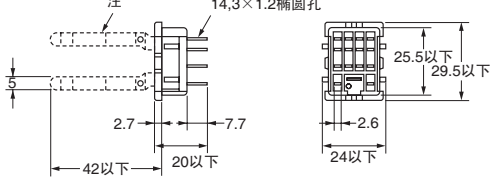
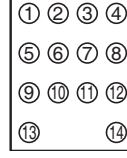
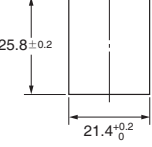
一般继电器

技术指南

附件  
导轨安装插座

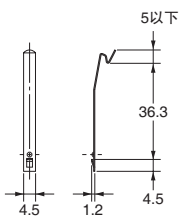
| 插座   | 尺寸(单位:mm)  |   | 端子配置/内部连接<br>(TOP VIEW)  | 安装孔   |
|--|--|---|--|---|
| <p>PYF08A-C</p>  <p>PYF08A-E</p>   | <p>PYF08A-C</p>   | <p>PYF08A-E</p>   |   |  <p>(TOP VIEW)<br/>注:也可以进行导轨安装。</p>  |
| <p>PYF14A-C</p>  <p>PYF14A-E</p>  | <p>PYF14A-C</p>  | <p>PYF14A-E</p>  |  |  <p>(TOP VIEW)<br/>注:也可以进行导轨安装。</p> |

后端连接插座

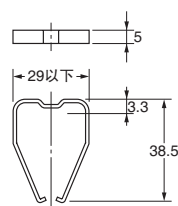
| 插座  | 尺寸(单位:mm)   | 端子配置/内部连接<br>(TOP VIEW)   | 安装孔   |
|---|---|---|---|
| <p>PY08/PY08-Y1</p>  |  <p>注: PY08-Y1型包括虚线部位。</p> |  |  |
| <p>PY14/PY14-Y1</p>  |  <p>注: PY14-Y1型包括虚线部位。</p> |  |  |

保持夹子

PYP-A1 (1套2个)

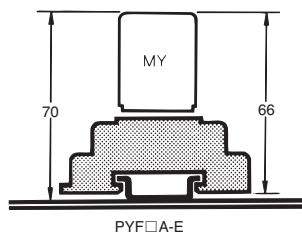


PYC-P

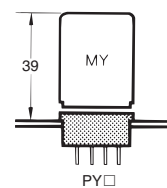


插座安装的高度

DIN导轨/表面安装插座

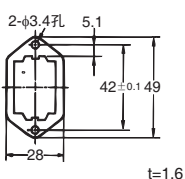


背面安装插座

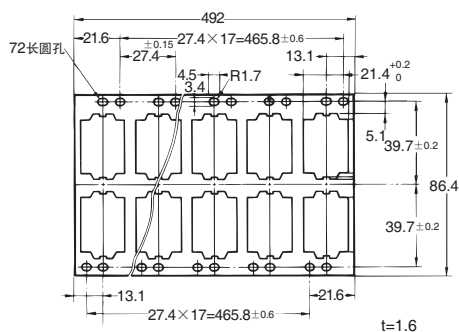


背面连接插座的安装板

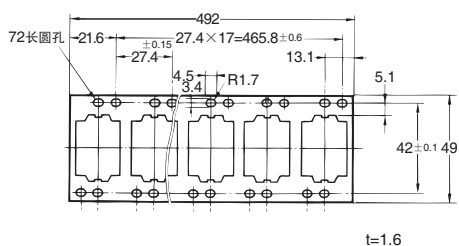
PYP-1



PYP-36



PYP-18



继电器

一般继电器

技术指南