

MJGZ-1 D24□A

Single-phase rectifying solid-state relay

单相整流固态继电器



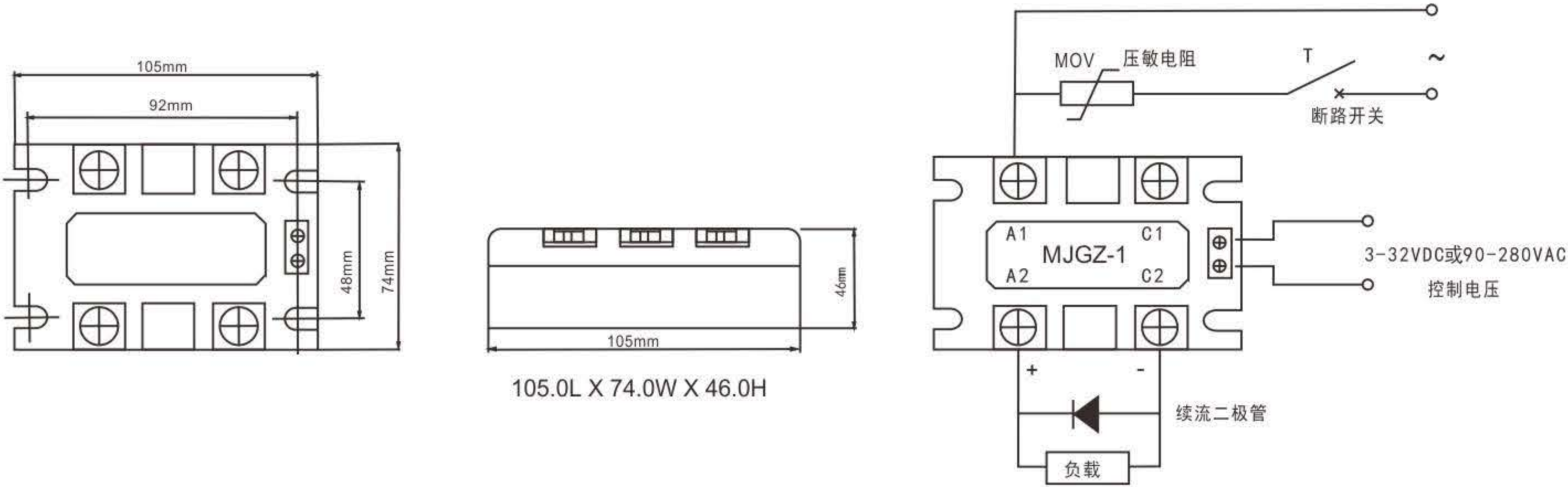
主要技术参数

Main Technical Parameters

项目 Item	参数 Parameters
输入负载电源电压 Input Load Voltage	240VAC 440VAC
输出负载整流电压 Output Load voltage	电源电压 × 0.9(VDC) Supply voltage × 0.9(VDC)
输出负载整流电流 Output Load Current	30A 60A 100A 150A 200A 300A 450A
控制电压 Control Volatage	3~32VDC / 90~280VAC
控制电流 Control Current	≤ 25mA/DC or 12mA/AC
介质耐压 Piclectric Stringth	≥ 2500V
绝缘电压 Insulation Resistance	≥ 2500V
绝缘电阻 Insulation Resistance	≥ 100MΩ
电源频率 Power Frequency	50~60Hz
工作温度 The work Temperature	-25~75℃
安装方式 Mounting Methods	螺栓固定 Bolt fixed
重量 Weight	480g

外形及安装尺寸 / 接线图

Outline and mounting dimensions/wiring diagram (mm)



产品特点

Product Characteristics

- 弱电部分和强电部分光隔离。
- 控制信号与TTL逻辑接口。
- 强电控开关为晶闸管、整流管组成。
- 发光二极管指示工作状态。
- 广泛应用于电解、电镀、电磁振动、电磁吸铁、直流电源、直流电机等设备进行无触点开关控制。
- The weak part and the strong part are separated by light.
- Control signal and TTL logic interface.
- The strong electric control switch is composed of thyristor and rectifier.
- Leds indicate working status.
- Widely used in electrolysis, electroplating, electromagnetic vibration, electromagnetic magnet, DC power supply, DC motor and other equipment for contactless switch control.

注意事项

Matters needing attention

- 根据负载功率大小，应选择不同的电流余量。功率越大、电流余量就越大，一般选择整流固态继电器的电流容量是负载电流的2-4倍。
- 输入、输出端应加有过压、过电流保护措施。a、过压保护：输出端并接续流二极管或压敏电阻(当用240V电压时，选470-500V，当用440V电压时，选680-750V，当用660V电压时，选1100-1200V)；b、过流保护：主回路串接快速断路器或快速熔断器，取值为实际负载电流的1.5倍。
- 散热要求：根据选用的整流固态继电器电流大小，工作方式，环境条件不同，应配置相应等效的散热器，40A以上加风扇强冷或水冷。
- 安装方式：要求产品与散热器接触之间须平整、光洁、并在相互接触表面之间涂一层导热硅脂，最后再将放有平垫圈、弹簧圈的螺丝对称拧紧固定。
- According to the load power size, should choose different current margin. The greater the power, the greater the current margin, the general selection of rectifier solid state relay current capacity is 2-4 times the load current.
- The input and output terminals should be equipped with over-voltage and over-current protection measures. a, overvoltage protection: the output end and the current diode or varistor (when 240V voltage is used, choose 470-500V, when 440V voltage is used, choose 680-750V, when 660V voltage is used, choose 1100-1200V); b, overcurrent protection: the main circuit is connected with a quick break switch or a fast fuse, the value is 1.5 times the actual load current.
- Heat dissipation requirements: According to the selected rectifier solid state relay current size, working mode, environmental conditions are different, should be configured with the corresponding equivalent radiator, more than 40A plus fan cooling or water cooling.
- Installation method: The contact between the product and the radiator shall be smooth and smooth, and a layer of thermal grease shall be applied between the contact surfaces. Finally, the screws with flat washers and spring rings shall be symmetrically tightened and fixed.