XURUI®

工控产品专业制造商

Professional Manufacture For Industrial Products

SINCE 2002

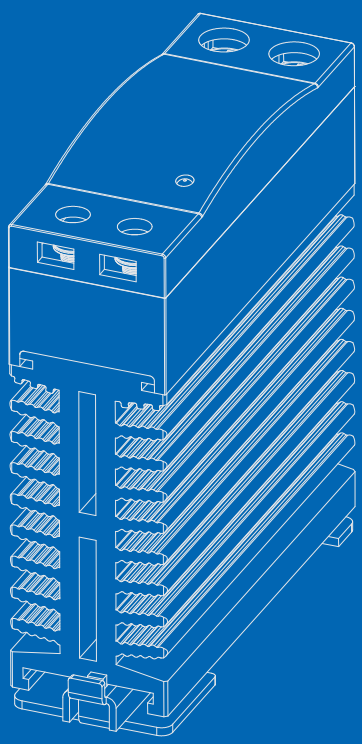
产品选型手册

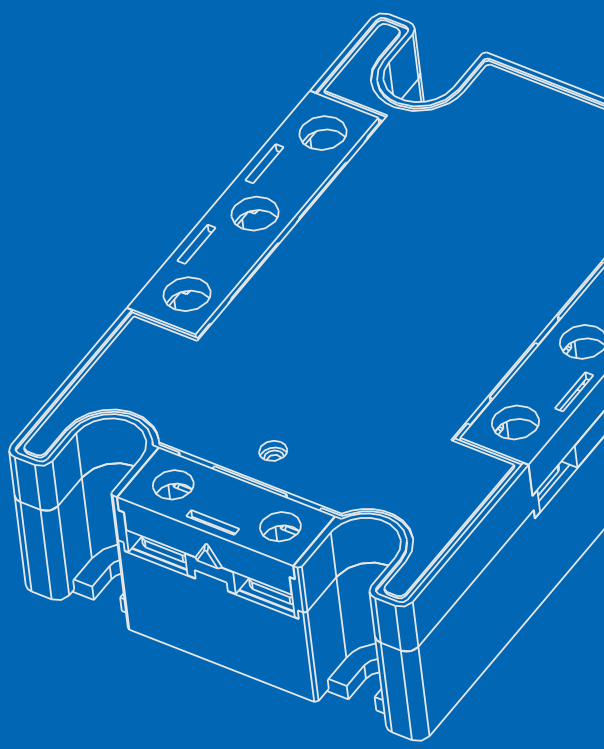
PRODUCTS CATALOGUE

固态继电器 / 固态调压器

Solid State Relay

Solid State Voltage Regulator





浙江旭瑞电子有限公司

ZHEJIANG XURUI ELECTRONIC CO.,LTD



COMPANY PROFILE企业简介

浙江旭瑞电子有限公司成立于2002年，是集研发、生产、销售与服务为一体的工控产品制造商，系国家高新技术企业、浙江省专精特新企业、浙江省信用管理示范企业。公司已荣获50多项专利，5项国家发明专利、1项国际发明专利、40多项实用新型专利，21项省级新产品，且均处于国内领先水平。主要产品有微动开关、固态继电器、行程开关、脚踏开关、钮子开关、水银开关、干簧开关、接近开关等系列产品，在韩国、土耳其、埃及、意大利等都设有直属代理商及售后维护中心，公司已通过ISO9001、ISO14001、ISO45001三大体系认证，国内CCC认证，欧盟CE认证，德国TUV认证，美国UL认证, 韩国KC认证, RoHS环保指令。

2002年：乐清市旭瑞电子有限公司公司成立；
2003年：公司通过ISO9001质量体系认证，XV–15系列微动开关通过国内CCC认证、欧盟CE认证；
2004年：XSS–5、XZ–15系列微动开关，XSSR系列固态继电器、XT系列钮子开关通过国内CCC认证、欧盟CE认证；
2006年：公司变更为温州旭瑞电子有限公司；
2008年：取得自主进出口经营权；
2010年：XV–15、XZ–15系列微动开关，XZ–8系列行程开关、XT系列钮子开关、XF系列脚踏开关通过美国UL认证；
2011年：公司变更为浙江旭瑞电子有限公司；XSS–5微动开关、XZ–9行程开关通过德国TUV认证；
2012年：XT系列钮子开关、XZ8系列行程开关、XF系列脚踏开关通过德国TUV认证；
2013年：XZ7系列行程开关通过德国TUV认证、国内CCC认证；
2014年：公司荣评浙江省科技创新型企业、“中国电器之都”十大创新型企业等；
2015年：公司荣评市企业技术研发中心、市名牌产品、市名牌商标、市专利示范企业、市成长型企业等；
2016年：公司荣评市经信先进单位、省高成长科技型企业，国家高新技术企业、XZ–15系列微动开关、XT系列钮子开关通过韩国KC认证；
2017 年：公司荣评浙江省信用管理示范企业；
2018年：公司荣评市侨青界创业交流基地；
2019年：公司侨迁新址至温州大桥工业园区，钮子开关三极、四极系列通过美国UL认证；
2020年：XES系列电磁式自动复位行程开关、XF防断裂脚踏开关荣评科技型创新成果；
2021年：XCSK、XW系列磁吹灭弧微动开关、XSSR–JK系列集成监控固态继电器投入市场；
2022年：企业科协成立、XV、XWS防水微动开关通过CCC并投入市场；
2023年：行程开关组荣获“工人先锋号”称号，XEL电磁锁安全门开关、车库门开关上线；
2024年：公司荣评浙江省专精特新企业，XSSR–H、XSSR–3H单相三相一体化固态继电器通过国内外认证并投入市场。
2025年：XCSK–P防水磁吹微动开关、XF系列防误动作脚踏开关上线；
XSSR系列电机正反转固态继电器等6项产品被评为省级新产品，并取得科技创新成果。
本公司本着“以科技创造未来，以精品回报社会”，“质量第一，客户至上”的原则竭诚欢迎国内外客户来电来函，我们会以优质的服务让您满意，让我们携手，共创美好未来。

Founded in 2002, **Zhejiang XURUI Electronic Co., Ltd**. is a leading manufacturer of industrial control products, integrating R&D, production,sales,and service. Recognized as a National High-Tech Enterprise,a Zhejiang Provincial Specialized and Innovative Enterprise,and a Zhejiang Provincial Credit Management Model Enterprise,XURUI has achieved over 50 patents,including 5 national invention patents, 1 international invention patent,and 40+utility model patents.We have also introduced 21 provincial-level new products,all of which are at the forefront of domestic technology.Our main products include micro switches, solid-state relays, limit switches, foot switches,toggle switches, mercury switches,reed switches,and proximity switches.Our products are widely distributed across the globe, with authorized agents and after-sales service centers in South Korea,Turkey,Egypt,Italy, and other regions.Certified to ISO9001, ISO14001, ISO45001 three system certification, our products also meet various standards, including CCC, CE, TUV, UL, KC, and RoHS compliance.

- 2002: Established Yueqing XURUI Electronic Co., Ltd.
- 2003: Achieved ISO9001 certification; XV-15 micro switch series certified by CCC and CE.
- 2004: Key products,including the XSS-5 and XZ-15 micro switches,XSSR solid-state relays,and XT toggle switches,certified by CCC and CE.
- 2006: Renamed to Wenzhou XURUI Electronic Co., Ltd.
- 2008: Obtained independent import and export rights.
- 2010: Products such as the XV-15 and XZ-15 micro switches earned UL certification.
- 2011: Renamed to Zhejiang XURUI Electronic Co., Ltd.; XSS-5 micro switch certified by TUV.
- 2012: XT series toggle switch, XZ8 series travel switch, XF series foot switch passed the German TUV certification;
- 2013: XZ7 series travel switch passed German TUV certification, domestic CCC certification;
- 2014: The company was honored as Zhejiang Science and Technology Innovative Enterprise,"China Electrical Appliance Ca-pital" ten innovative enterprises, etc.
- 2015: The company honors the city enterprise Technology Research and development Center, the city famous brand products, the city famous brand trademarks, the city patent demonstration enterprises, the city growth enterprises, etc.
- 2016: The company honors the advanced unit of the city economy and information, the provincial high growth technology enterprise, the national high-tech enterprise, XZ-15 series micro switch, XT series button switch through the Korean KC certification;
- 2017: The company was honored as Zhejiang Credit Management Demonstration Enterprise;
- 2018: Company Rongping City overseas Chinese Qingjie entrepreneurial exchange base;
- 2019: The company moved to Wenzhou Bridge Industrial Park, toggle switch three pole, four pole series through the United States UL certification;
- 2020: XES series electromagnetic automatic reset stroke switch, XF anti-fracture foot switch honors scientific and technological innovation achievements;
- 2021: XCSK, XW series magnetic blow-out micro switch, XSSR-JK series integrated monitoring solid state relay put into the market;
- 2022: Establishment of Enterprise Science Association, XV, XWS waterproof micro switch through CCC and put into the market;
- 2023: Travel switch group won the title of "Worker pioneer", XEL electromagnetic lock safety door switch, garage door switch online;
- 2024: The company was honored as a specialized and special new enterprise in Zhejiang Province,and XSSR-H and XSSR-3H single-phase three-phase integrated solid-state relays were certified at home and abroad and put into the market.
- 2025: The XCSK-P waterproof magnetic blow-off microswitch and the XF series anti-misoperation foot switch were launched; Six products, including the XSSR series solid-state relays for motor forward and reverse rotation, were rated as provincial new products and achieved scientific and technological innovation results.
- At XURUI, we embrace the philosophy of "Creating the future with technology and giving back to society with excellence." Committed to "Quality First, Customer Supreme," we warmly welcome partners and clients from around the world to collaborate with us. With premium services and top-quality products, we aim to build a brighter future together.

企业资质 CERTIFICATE













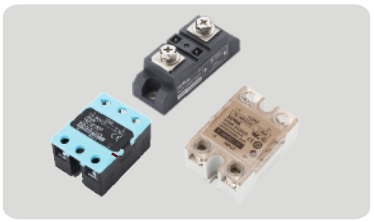




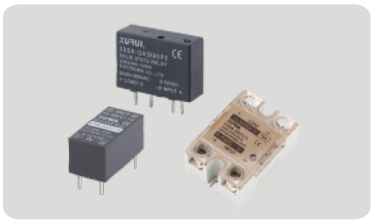




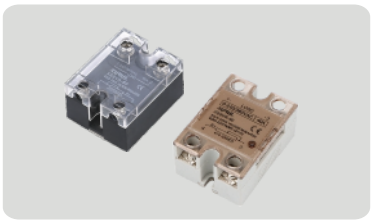
目录 CONTENTS



交流固态继电器 P01–24
AC Solid State Relay



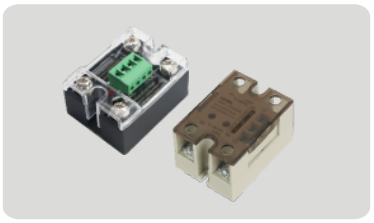
直流固态继电器 P25–29
DC Solid State Relay



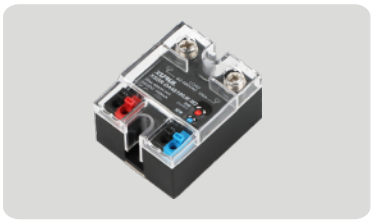
单相交流固态调压器 P30–33
Single Phase AC Solid State Regulator



三相交流固态继电器 P34–37
3P AC Solid State Relay



双路交流固态继电器 P38–39
Dual Channel AC Solid State Relay



集成监控型交流固态继电器 P40–41
Monitoring AC Solid State Relay



电流保护交流固态继电器 P42
Current Protection AC Solid State Relay



三相智能交流固态调压模块 P43
3P Intelligent AC Solid State Regulating Module



直流电机正反转控制模块 P44
DC Motor Control Module



固态接触器 & 散热器 P45–47
Solid State Contactor & Heat Sink

- 输入输出光电隔离或变压器隔离；
- 输入恒流控制及LED显示，控制信号与TTL和CMOS逻辑兼容；
- 双向可控硅或单向可控反并联输出，零电流开启零电流关断；
- 功率固态更采用SCR芯片反并联输出，工作稳定可靠；
- 内置阻容吸收回路，小死区电压，小谐波干扰；
- 高于2.5KV的输入输出及底板间的安全绝缘电压；
- 体积小、输入功率小、无触点、无火花、无噪音、无机械磨损、耐振动、长寿命。



- Input and output are optically isolated or transformer isolated;
- Constant current control with LED display, compatible with TTL and CMOS logic control signals;
- Bidirectional or unidirectional SCR (Silicon Controlled Rectifier) output with zero-crossing turn-on and turn-off;
- The power solid-state relay uses an SCR chip with reverse parallel output for stable and reliable operation;
- Built-in RC snubber circuit, low dead-zone voltage, and minimal harmonic interference;
- Safety isolation voltage between input, output, and base plate is greater than 2.5kV;
- Compact size, low input power, contactless operation, no sparks, no noise, no mechanical wear, vibration-resistant, and long lifespan.

□ 型号含义 Model Meaning

X SSR – □ D A 48 60 □ □ W6

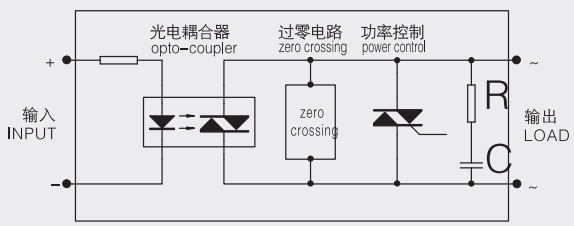
- W6 外形样式 Outline Form
- □ 附加功能 Additional Function
  - JK: 可监控 Monitor　F: 熔断器保护 Fuse Protection
- □ 触发类型 Trigger Type
  - 无None: 过零型 Zero crossing　R: 随机型 Random
- 60 输出电流 Output Current
  - 10: 10A　100: 100A
- 48 输出电压 Output Voltage
  - 24: 240VAC　48: 480VAC
  - 11: 110VDC　25: 250VDC
- A 输出电压类型 Output Voltage Type
  - D: 直流 DC　A: 交流 AC
- D 输入控制类型 Input Contrl Type
  - D: DC3~32V　A: AC80~250V　U: DC/AC20~280V
  - C: 4~20mA　V: 0~10VDC　R: 470~560kΩ
- □ 相数 Phase
  - 无None: 单相 Single-phase
  - 2: 双路 Dual-channel
  - 3: 三相 Three-phase
- SSR 产品类型 Product Type
  - SSR: 固态继电器 Solid State Relay
  - SSVR: 固态调压器 Solid State Voltage Regulator
- X 企业代号 Company Code

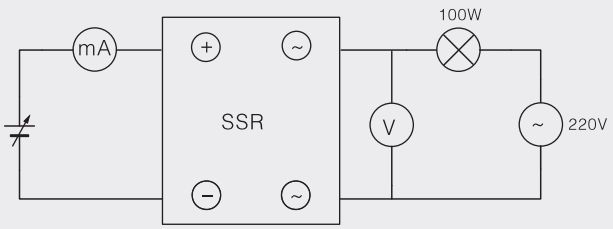
□主要应用领域 Main Application Fields

- 工业自动化装置
- 计算机外围接口
- 照明、舞台灯光控制
- 电炉、加热、取暖控制
- 路灯、信号灯、交通灯等
- 交流电机控制
- 中间继电器、电磁阀控制
- 数控机械、遥控系统
- 彩扩、冲印设备、注塑机械
- 自动消防、保安系统

- Industrial Automation Systems
- Computer Peripheral Interfaces
- Lighting and stage lighting control
- Electric Furnace, Heating, and Climate Control
- Streetlights, Signal Lights, Traffic Lights, etc.
- AC Motor Control
- Intermediate Relays and Solenoid Valve Control
- CNC Machines and Remote Control Systems
- Color Printing, Photography Equipment, Injection Molding Machinery
- Automatic Firefighting and Security Systems

□DA系列内部原理图及基本性能测试 Internal Circuit Diagram and Basic Performance Testing of DA Series





□使用注意事项 Usage Precautions

- 控制电压和工作电压要求稳定，波动系数应该保证在10%之内，接线时应注意固态继电器的极性，以防接错而造成固态继电器永久性损坏。固态继电器应安装在远离热源散热条件好的地方，若环境温度过高，或者散热条件不好时，应加大工作电流余量，以保持固态继电器能均匀良好的散热。在安装固态继电器时，紧固件应扭紧，防止松动而增大接触电阻导致发热过大，底板与散热器之间也应均匀的涂上一层导热硅脂，保持固态继电器能均匀良好的散热。
- 应采用相应的过流与过压保护措施。过流保护可选用响应时间为10μS的快速熔断器，熔断器的大小可选择用实际工作电流的 1.2-1.5倍；过压保护可采用RC阻容吸收回路和压敏电阻，本系列固态继电器已全部内置RC阻容吸收回路，压敏电阻可按工作电压电流的大小来选择，220V电路电压可选用430-470V的压敏电阻，380V电路电压可选用750-820V的压敏电阻，压敏电阻的通流容量可根据电流的大小来选择。

- The control voltage and operating voltage must be stable,with a fluctuation coefficient maintained within 10%. When wiring, pay attention to the polarity of the solid-state relay to prevent permanent damage from incorrect connections.The solid-state relay should be installed in a location with good heat dissipation, away from heat sources. If the ambient temperature is too high or heat dissipation is poor, increase the current margin to ensure even and efficient heat dissipation. When installing the solid-state relay, fasteners should be tightened to prevent loosening, which could increase contact resistance and lead to excessive heating.A layer of thermal grease should be evenly applied between the base plate and the heat sink to maintain uniform and effective heat dissipation.
- Appropriate overcurrent and overvoltage protection measures should be implemented. Overcurrent protection can use a fast-blow fuse with a response time of 10μS,and the fuse size can be selected to be 1.2-1.5 times the actual working current.Overvoltage protection can include an RC snubber circuit and a varistor. This series of solid-state relays are equipped with an internal RC snubber circuit. The varistor can be selected according to the working voltage and current: for a 220V circuit, a 430-470V varistor is recommended; for a 380V circuit, a 750-820V varistor is suitable. The varistor's current handling capacity should be selected based on the current size.

□固态继电器的散热及散热器的选择 Heat Dissipation of Solid-State Relays and Heat Sink Selection

- 由于固态继电器内开关器件本身内阻的作用，在其导通时都会产生一定热量。因此要保证固态继电器正常工作必须要有良好的散热条件如：自然冷却、散热冷却、散热器加风冷却等。5A以下可采用自然冷却，10A以上需加散热器冷却，40A以上则要加风扇强冷。
- 散热器的效果不但跟散热器的大小有关，还跟环境温度（季节）、通风条件及安装紧密度都有关系。散热效果参考标准：使固态继电器的底板温度不超过75℃为准，实际应用过程中可在靠近固态继电器底板的散热器上安装一只70℃的温度开关（常闭型）串联在控制回路里，当散热器温度超过阀值时就会断开控制回路，从而保护固态继电器及设备，尤其是在实际电流大、安装密度大、环境温度高的情况下。除此之外还要考虑固态继电器本身是否与选用的散热器匹配，以及散热器在机柜中的安装空间，确保即使在最恶劣的情况下固态继电器底板的温度不超过75℃。
- 本公司有一系列的散热器规格可供选择，但每一型号的固态继电器不是一定要配唯一规格的散热器，两者并没有完全一致的对应关系，固态继电器的发热量只跟负载的实际电流有关，而与本身的电流等级不完全一致。(发热量计算公式：发热量=实际负载电流×1.5瓦/安)

- Due to the internal resistance of the switching devices in the solid-state relay, heat is generated when it is conducting.Therefore, to ensure the normal operation of the solid-state relay, proper heat dissipation conditions must be provided, such as natural cooling, heat sink cooling,or forced air cooling. For loads under 5A, natural cooling can be used; for loads over 10A, a heat sink is required; and for loads over 40A, a fan-assisted cooling system is necessary. The effectiveness of heat dissipation depends not only on the size of the heat sink but also on factors such as ambient temperature, ventilation conditions, and installation density.
- Heat Dissipation Standard: Ensure that the base temperature of the solid-state relay does not exceed 75℃. In practical applications, a 70℃ temperature switch(normally closed type)can be installed on the heat sink near the solid-state relay base,and wired in series with the control circuit. When the temperature of the heat sink exceeds the threshold, the temperature switch will disconnect the control circuit, thereby protecting the solid-state relay and its equipment, especially in cases of high current, dense installations, or high ambient temperatures. Additionally, it is important to ensure that the selected heat sink matches the solid-state relay and to consider the installation space within the cabinet. Even under the most extreme operating conditions, the temperature of the solid-state relay base should not exceed 75℃.
- Our company offers a range of heat sink specifications for selection, but each model of solid-state relay does not necessarily require a unique heat sink specification. The heat dissipation of the solid-state relay depends on the actual load current and is not fully aligned with its rated current. (The heat dissipation formula is as follows:Heat dissipation = Actual load current × 1.5 watts/amp)

XSSR-P1 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 电路板焊接-单列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC-AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺

- Circuit board soldering - Single-row through-hole small AC solid-state relay
- Bidirectional thyristor normally open output
- DC-AC signal control for AC load
- Opto-electronic isolation
- Zero-crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process

注: 可定做DC-DC型 / Customizable DC-DC type

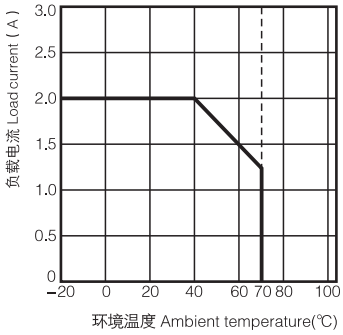


□技术参数 Technical Specification

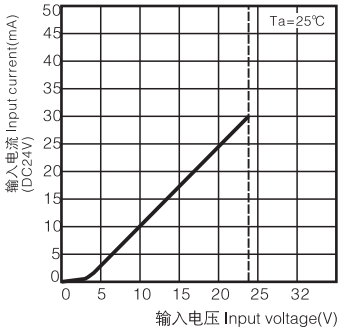
产品型号	Product model	XSSR-2402P1
控制电压	Control voltage	5V 12V 24V DC
控制电流	Control current	6-30mA
负载电压	Load voltage	24-240VAC
负载最大电流	Load max current	2A
负载最小电流	Load mini current	0.03A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50-60Hz
工作温度	Operating temperature	-20-70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50-60%
		感性负载取(inductive load)30-40%

□特性曲线 Characteristic curve

负载电流-环境温度
Load current- Ambient temperature

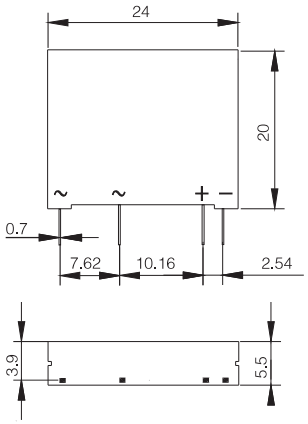


输入电压-输入电流
Input voltage-Input current

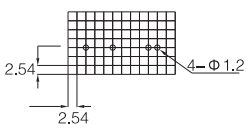


□外形尺寸及接线图 Dimensions and Wiring Diagram

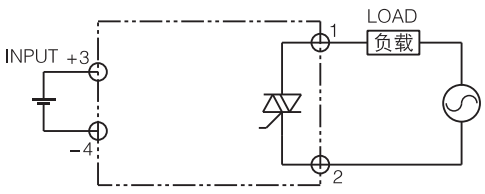
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram



□特点 Features

- 电路板焊接–单列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺

- Circuit board soldering – Single–row through–hole small AC solid–state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process

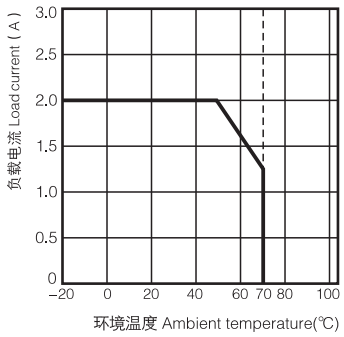


□技术参数 Technical Specification

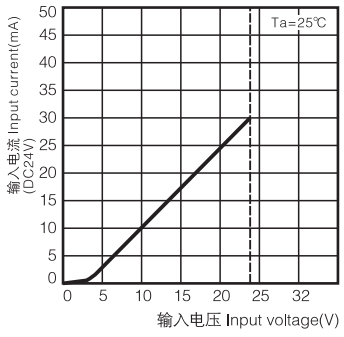
产品型号	Product model	XSSR–2402P2/2403P2
控制电压	Control voltage	5V 12V 24V DC
控制电流	Control current	6–30mA
负载电压	Load voltage	24–240VAC
负载最大电流	Load max current	2A–3A
负载最小电流	Load mini current	0.03A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

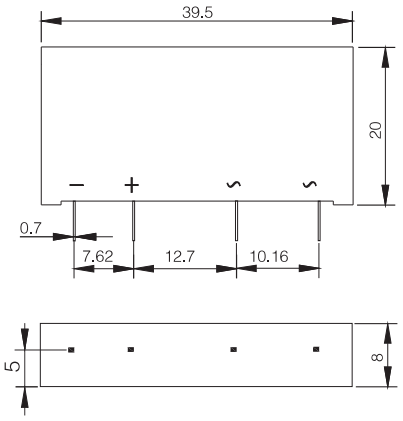


输入电压–输入电流
Input voltage–Input current

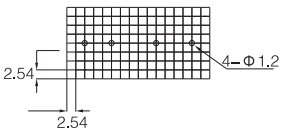


□外形尺寸及接线图
Dimensions and Wiring Diagram

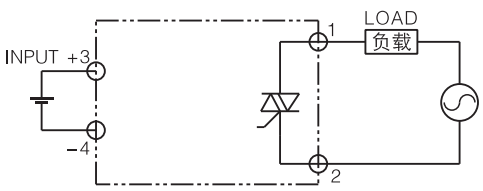
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



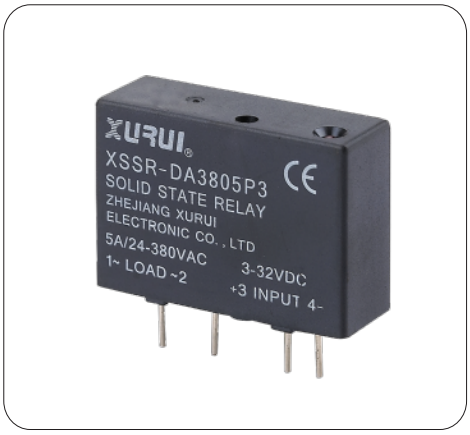
- 端子接线图 Connection Diagram



XSSR–P3 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 电路板焊接–单列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- LED指示工作状态
- Circuit board soldering – Single–row through–hole small AC solid–state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status

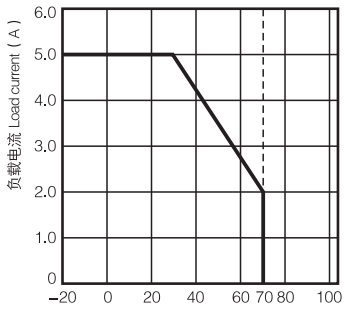


□技术参数 Technical Specification

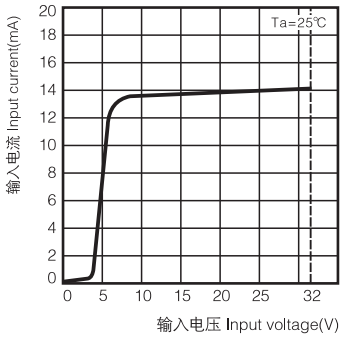
产品型号	Product model	XSSR–DA3803P3/3805P3
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–380VAC
负载最大电流	Load max current	3A–5A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

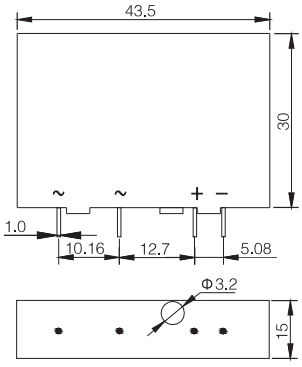


输入电压–输入电流
Input voltage–Input current

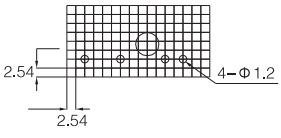


□外形尺寸及接线图 Dimensions and Wiring Diagram

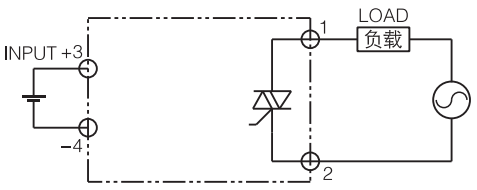
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram

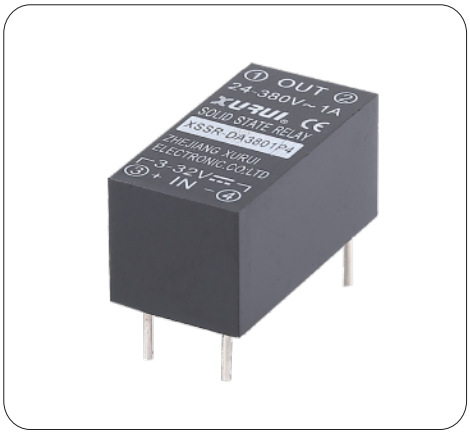


XSSR–P4 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 电路板焊接–双列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺

- Circuit board soldering – Dual–row through–hole small AC solid–state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process

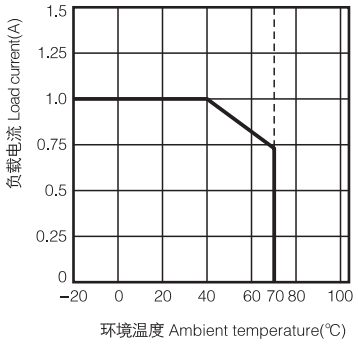


□技术参数 Technical Specification

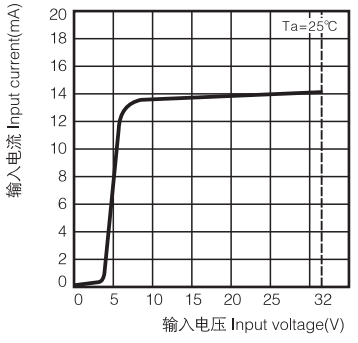
产品型号	Product model	XSSR–DA3801P4
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–380VAC
负载最大电流	Load max current	1A
负载最小电流	Load mini current	0.02A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

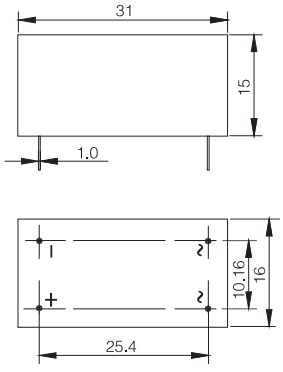


输入电压–输入电流
Input voltage–Input current

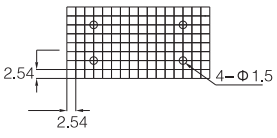


□外形尺寸及接线图 Dimensions and Wiring Diagram

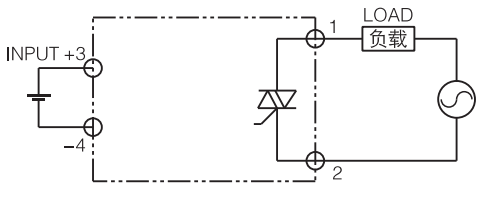
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram

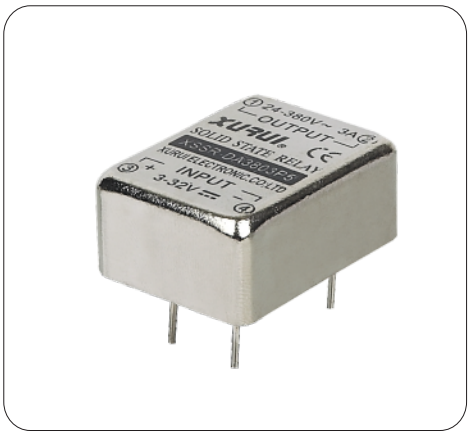


XSSR–P5 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 电路板焊接–铜外壳 双列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路

- Circuit board soldering–copper Crust, Dual in–line Type mini AC solid state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit



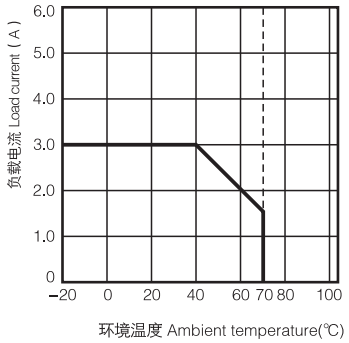
CE

□技术参数 Technical Specification

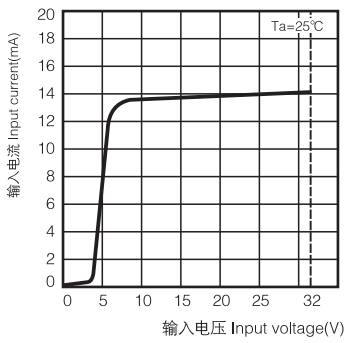
产品型号	Product model	XSSR–DA3802P5/3803P5
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–380VAC
负载最大电流	Load max current	2A–3A
负载最小电流	Load mini current	0.03A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

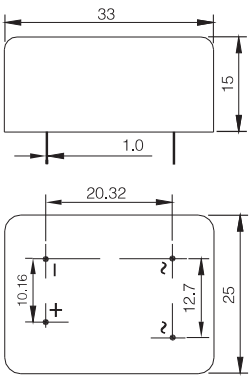


输入电压–输入电流
Input voltage–Input current

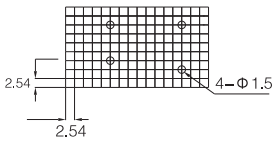


□外形尺寸及接线图 Dimensions and Wiring Diagram

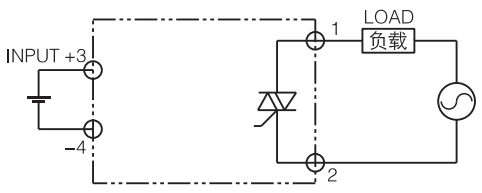
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram

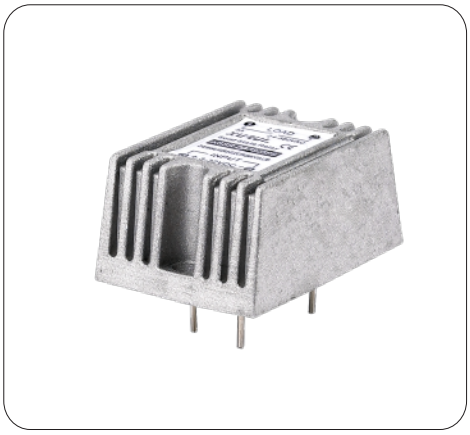


XSSR–P6 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 电路板焊接–铝外壳 双列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路

- Circuit board soldering–Aluminum Crust, Dual in–line Type mini AC solid state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit



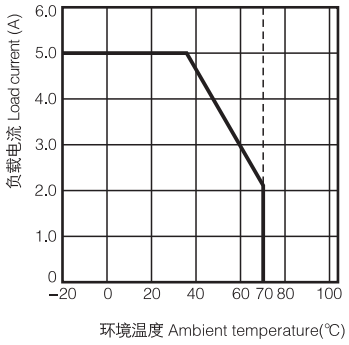
CE

□技术参数 Technical Specification

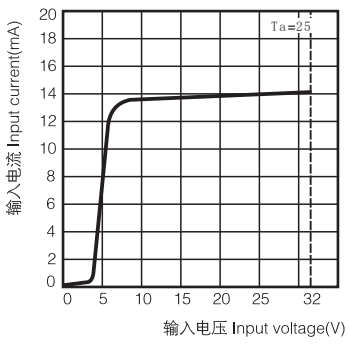
产品型号	Product model	XSSR–DA3805P6
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–380VAC
负载最大电流	Load max current	5A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

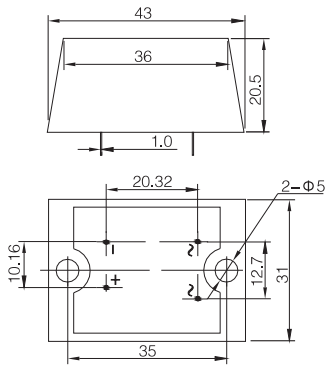


输入电压–输入电流
Input voltage–Input current

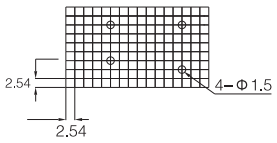


□外形尺寸及接线图 Dimensions and Wiring Diagram

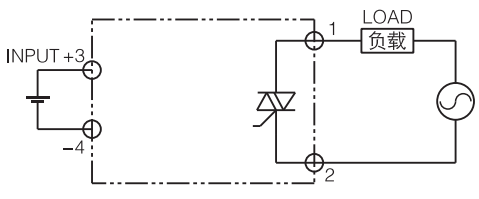
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)

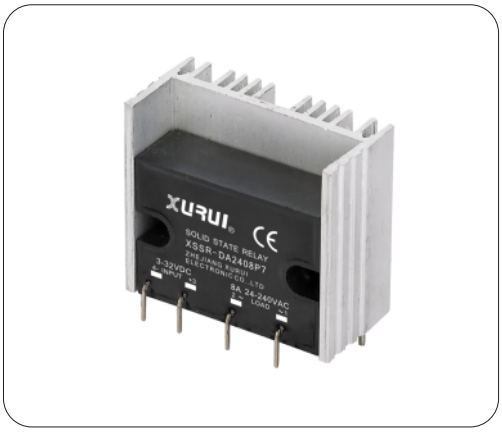


- 端子接线图 Connection Diagram



□特点 Features

- 电路板焊接–带散热器 单列直插式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- Circuit board soldering–Aluminum Crust, Single in–line Type mini AC solid state relay
- Bidirectional thyristor normally open output
- DC–AC signal control for AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit

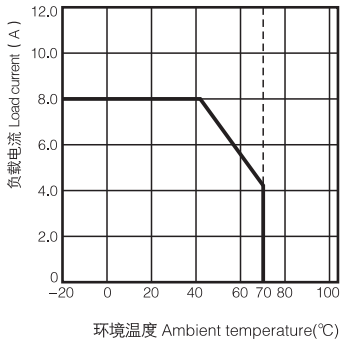


□技术参数 Technical Specification

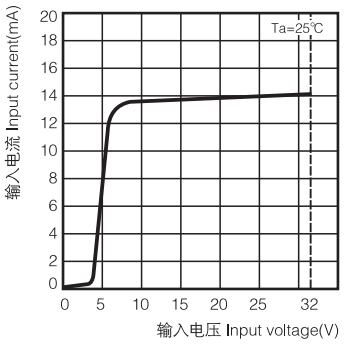
产品型号	Product model	XSSR–DA□□P7
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–240VAC 24–380VAC
负载最大电流	Load max current	3A–8A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

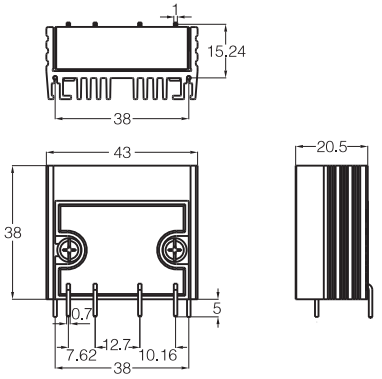


输入电压–输入电流
Input voltage–Input current

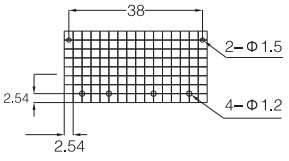


□外形尺寸及接线图 Dimensions and Wiring Diagram

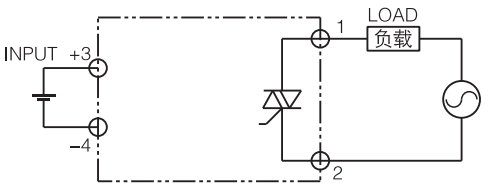
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram



□特点 Features

- 螺栓安装–卧式 单相交流固态继电器
- 双向可控硅/单向可控硅反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路及压敏电阻保护
- LED 指示工作状态

- Screw installation – horizontal Type single phase AC solid state relay
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC absorption loop and varistor protection
- LED indicator for working status

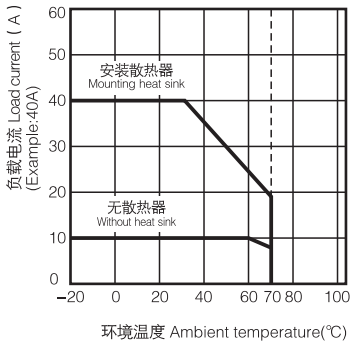


□技术参数 Technical Specification

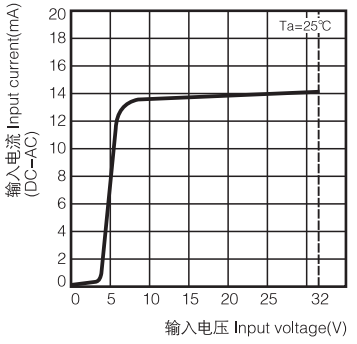
产品型号	Product model	XSSR–DA□□W1	XSSR–AA□□W1
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	6–25mA	5–25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–240VAC 75–480VAC	
负载最大电流	Load max current	5A–75A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤1.6VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

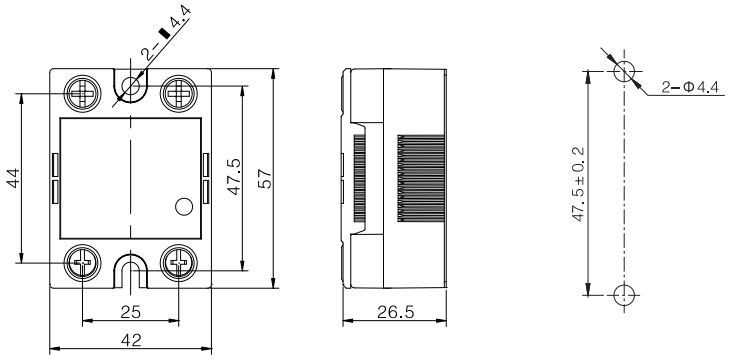


输入电压–输入电流
Input voltage–Input current

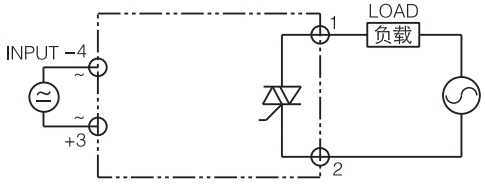


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-W2 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装-卧式 单相交流固态继电器
- 单向可控硅芯片反并联 常开输出
- DC-AC 直流信号控制交流负载/AC-AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态

- Screw installation-horizontal Type single phase AC solid state relay
- unidirectional thyristor anti-parallel normally open output
- DC-AC DC signal controls AC load/AC-AC AC signal controls AC load
- Opto-electronic isolation
- Zero-crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built-in RC absorbing circuit & Varistor protection
- LED indicator for working status



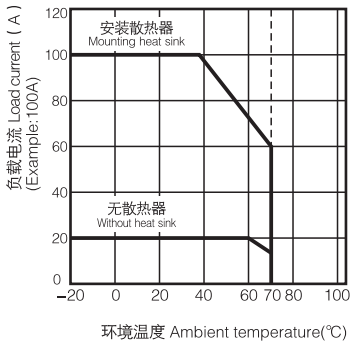
CE

□技术参数 Technical Specification

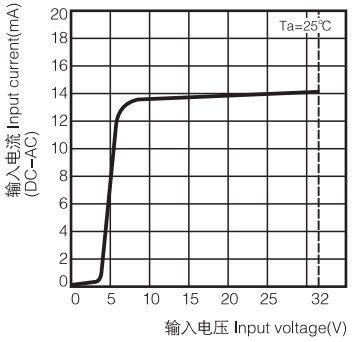
产品型号	Product model	XSSR-DA48□W2	XSSR-AA48□W2	XSSR-UA48□W2
控制电压	Control voltage	3-32VDC	80-250VAC	20-280VAC/DC
控制电流	Control current	6-25mA	5-25mA	5-20mA
反向电压	Reverse voltage	32VDC	/	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC	10VAC/DC
保证开通电压	Guarantee open voltage	3VDC	80VAC	20VAC/DC
负载电压	Load voltage	75-480VAC		
负载最大电流	Load max current	50A-200A		
负载最小电流	Load mini current	0.1A		
通态压降	Breakover voltage	≤2VAC		
输出漏电流	Output leakage current	≤8mA		
介质耐压	Medium withstand voltage	≥2500VAC		
绝缘电阻	Insulating resistance	≥100MΩ		
开关时间	Switching time	≤10mS		
频率范围	Frequency range	50-60Hz		
工作温度	Operating temperature	-20-70℃		
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50-60%		
		感性负载取(inductive load)30-40%		

□特性曲线 Characteristic curve

负载电流-环境温度
Load current- Ambient temperature

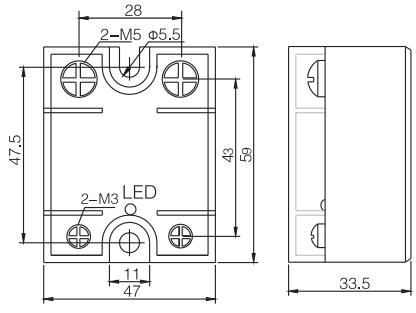


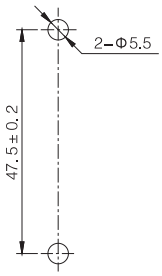
输入电压-输入电流
Input voltage-Input current



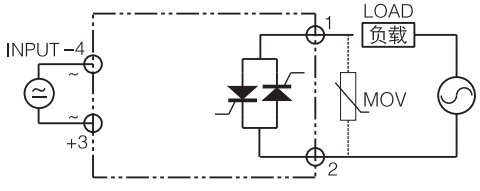
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



XSSR–W5 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 单相交流固态继电器
- 双向可控硅/单向可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- 内置RC吸收回路
- LED 指示工作状态

- Screw installation–horizontal Type single phase AC solid state relay
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- Built–in RC snubber circuit
- LED indicator for working status



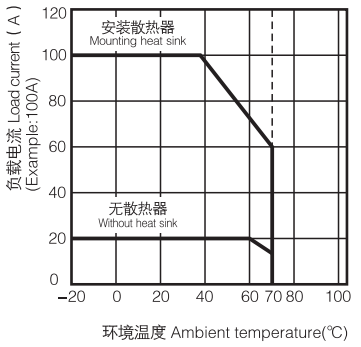
CE

□技术参数 Technical Specification

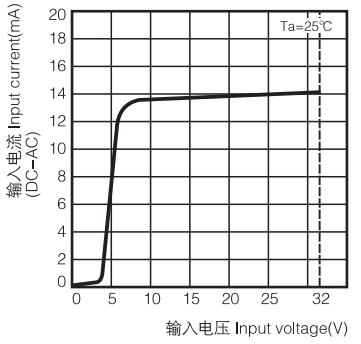
产品型号	Product model	XSSR–DA48□W5
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	10A–125A
负载最小电流	Load mini current	0.08A
通态压降	Breakover voltage	≤1.8VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

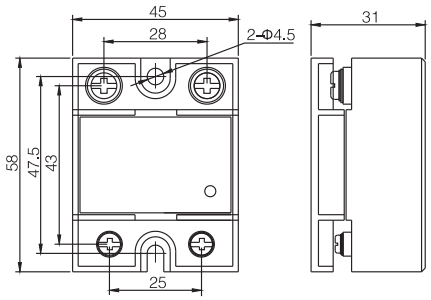


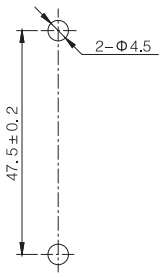
输入电压–输入电流
Input voltage–Input current



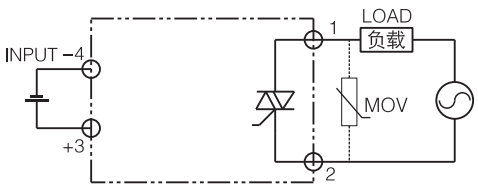
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



□特点 Features

- 螺栓安装–卧式 单相交流固态继电器
- 专利设计
- 双向可控硅 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路及压敏电阻保护
- LED 指示工作状态

- Screw installation–horizontal Type single phase AC solid state relay
- Patent design
- Bidirectional thyristor
- DC–AC DC Singnal control AC load /AC–AC AC Signal control AC load
- Opto–electronic isolation anti–parallel normally open output
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC absorption loop and varistor protection
- LED indicator for working status

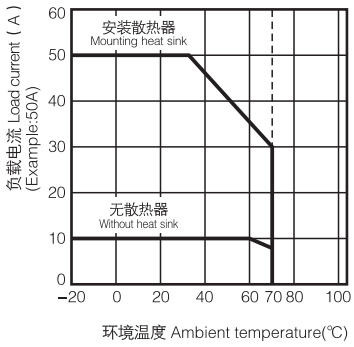


□技术参数 Technical Specification

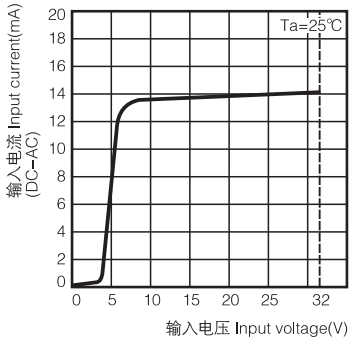
产品型号	Product model	XSSR–DA48□W6	XSSR–AA48□W6
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	6–25mA	5–25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	75–480VAC	
负载最大电流	Load max current	10A–100A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

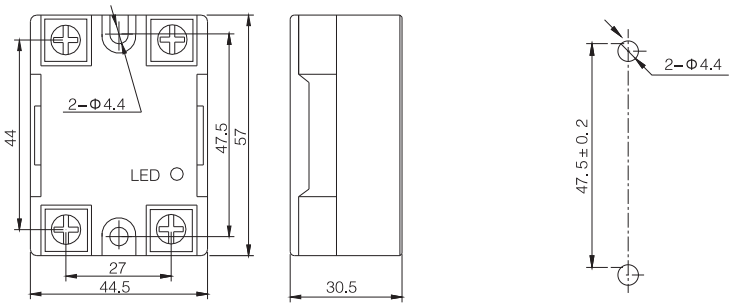


输入电压–输入电流
Input voltage–Input current

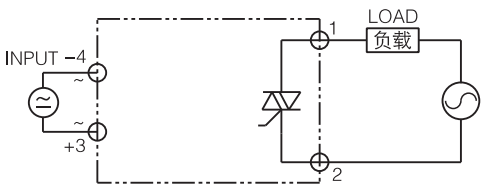


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



□特点 Features

- 快速接插端子–卧式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路

- Quick plug–in terminal–horizontal Type Mini AC solid state relay
- Bidirectional thyristor normally open output
- DC–AC DC signal control AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit

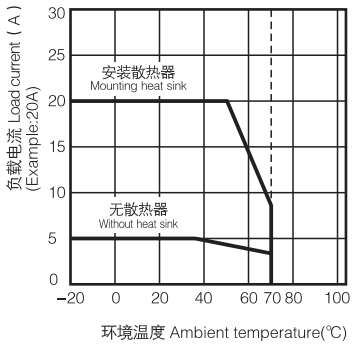


□技术参数 Technical Specification

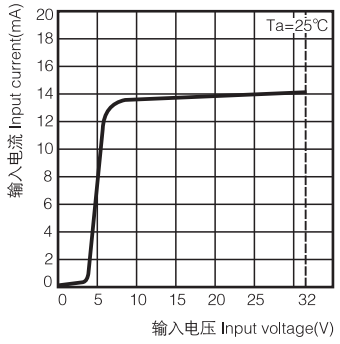
产品型号	Product model	XSSR–DA24□W7
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–240VAC
负载最大电流	Load max current	5A–25A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

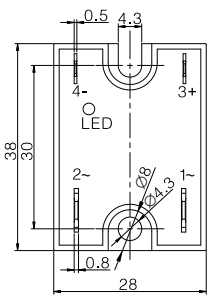


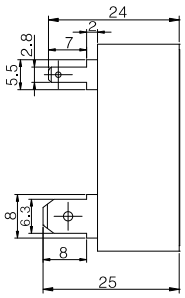
输入电压–输入电流
Input voltage–Input current

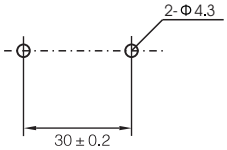


□外形尺寸及接线图 Dimensions and Wiring Diagram

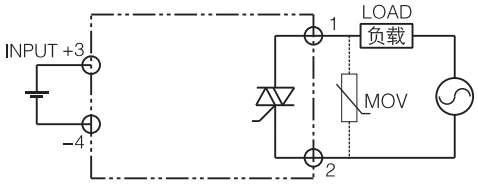
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount







- 端子接线图 Connection Diagram



□特点 Features

- 快速接插端子–卧式 小型交流固态继电器
- 双向可控硅常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路

- Quick plug–in terminal–horizontal Type Mini AC solid state relay
- Bidirectional thyristor normally open output
- DC–AC DC signal control AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit



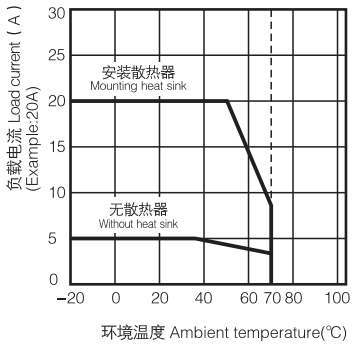
CE

□技术参数 Technical Specification

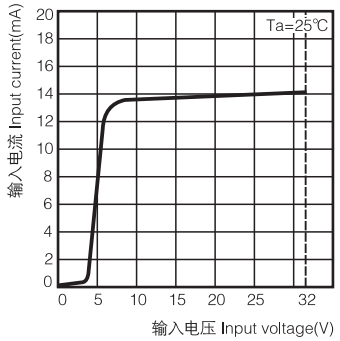
产品型号	Product model	XSSR–DA24□W9
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–240VAC
负载最大电流	Load max current	5A–20A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VAC
输出漏电流	Output leakage current	≤3mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

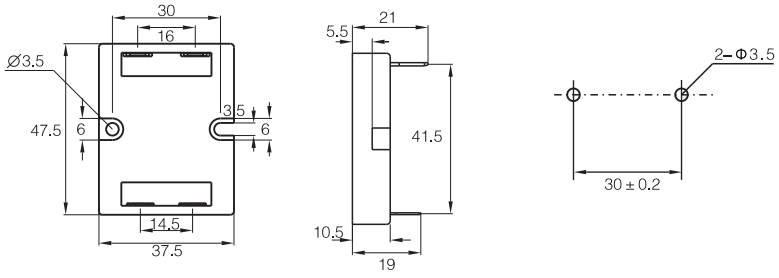


输入电压–输入电流
Input voltage–Input current

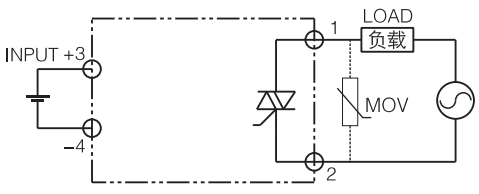


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-W12 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 单相交流固态继电器
- 双向可控硅 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路及压敏电阻保护
- LED 指示工作状态

- Screw installation–horizontal Type single phase AC solid state relay
- Bidirectional thyristor normally open output
- Triac NO output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC absorption loop and varistor protection
- LED indicator for working status

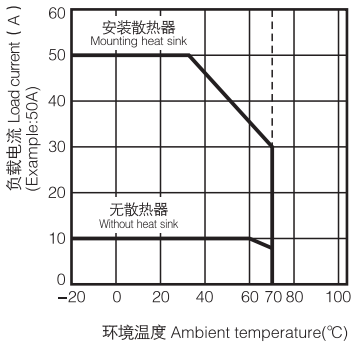


□技术参数 Technical Specification

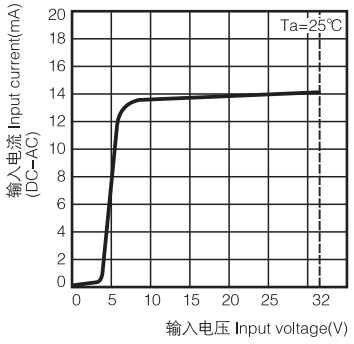
产品型号	Product model	XSSR–DA48□W12	XSSR–AA48□W12
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	6–25mA	5–25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	75–480VAC	
负载最大电流	Load max current	10A–120A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	47–63Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

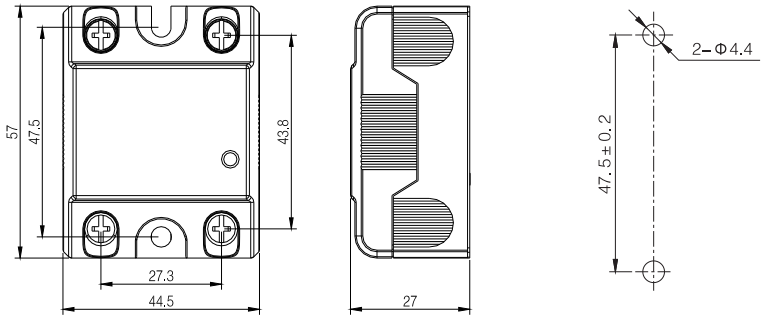


输入电压–输入电流
Input voltage–Input current

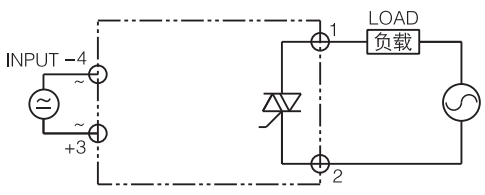


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-W15 交流固态继电器 AC SOLID STATE RELAY

□特点 Features



- 螺栓安装–卧式 单相交流固态继电器
- 专利设计
- 双向可控硅 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路及压敏电阻保护
- LED 指示工作状态

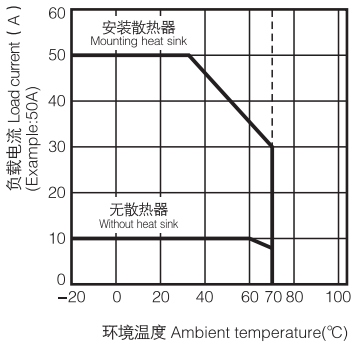
- Screw installation–horizontal Type single phase AC solid state relay
- Patent design
- Bidirectional thyristor normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC absorption loop and varistor protection
- LED indicator for working status

□技术参数 Technical Specification

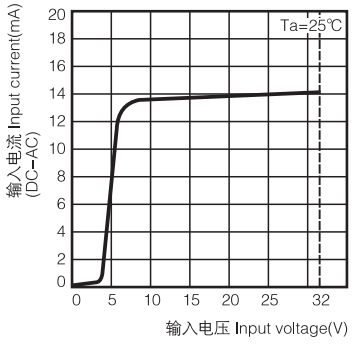
产品型号	Product model	XSSR–DA48□W15	XSSR–AA48□W15
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	6–25mA	5–25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	75–480VAC	
负载最大电流	Load max current	10A–200A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	47–63Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

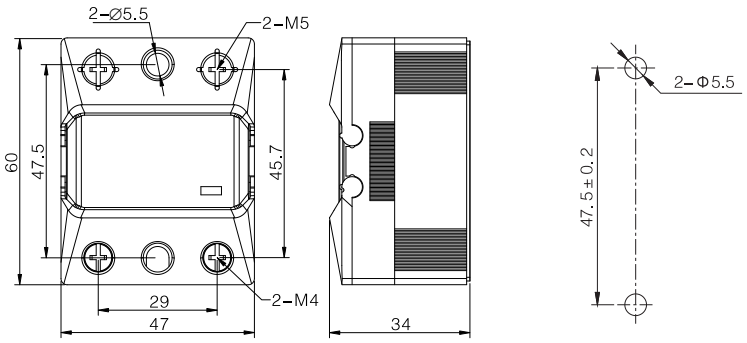


输入电压–输入电流
Input voltage–Input current

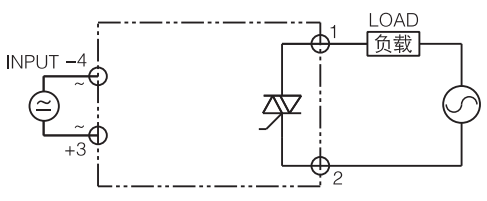


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-H 模块式交流固态继电器 MODULE AC SOLID STATE RELAY

□特点 Features

- 导轨安装–模块式 单相交流一体化固态继电器
- 双向可控硅/单向可控硅反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置保护电路，抗干扰能力强
- LED 指示工作状态

- Din Rail installation–module Type single–phase AC integrated solid state relay
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in protection circuit, strong anti–interference capability
- LED indicator for working status

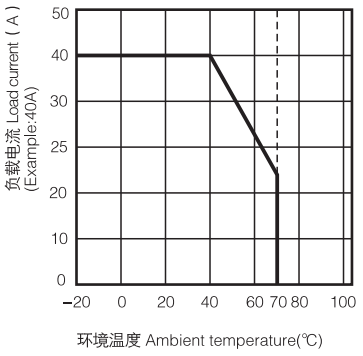


□技术参数 Technical Specification

产品型号	Product model	XSSR–DA□□H	XSSR–AA□□H
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	≤25mA	≤25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–480VAC	
负载最大电流	Load max current	5A–60A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	47–63Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

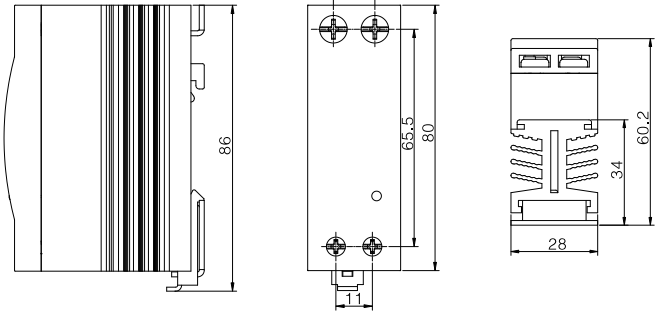
负载电流–环境温度
Load current– Ambient temperature



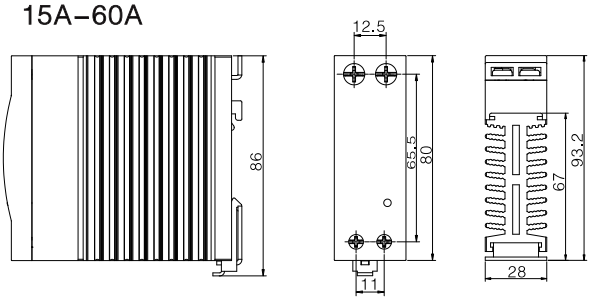
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount

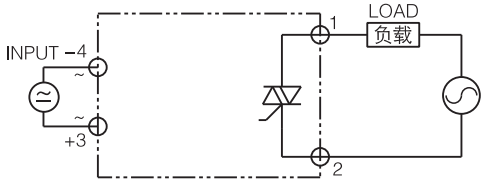
5A–15A



15A–60A



- 端子接线图 Connection Diagram



□特点 Features

- 导轨安装-模块式 单相交流一体化固态继电器
- 双向可控硅/单向可控硅反并联 常开输出
- DC-AC 直流信号控制交流负载/AC-AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置保护电路，抗干扰能力强
- LED 指示工作状态

·Din Rail installation-module Type single-phase AC integrated solid state relay
·Bidirectional thyristor/unidirectional thyristor anti-parallel normally open output
·DC-AC DC signal controls AC load/AC-AC AC signal controls AC load
·Opto-electronic isolation
·Zero-crossing / Random triggering modes
·SMD (Surface Mount Device) assembly process
·Built-in protection circuit, strong anti-interference capability
·LED indicator for working status

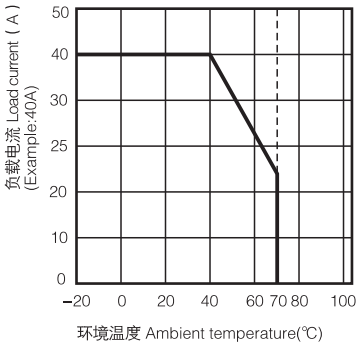


□技术参数 Technical Specification

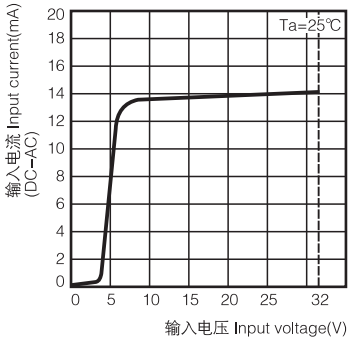
产品型号	product model	XSSR-DA□□TH	XSSR-AA□□TH
控制电压	Control voltage	3-32VDC	80-250VAC
控制电流	Control current	≤25mA	≤25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24-480VAC	
负载最大电流	Load max current	5A-25A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	47-63Hz	
工作温度	Operating temperature	-20-70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50-60%	
		感性负载取(inductive load)30-40%	

□特性曲线 Characteristic curve

负载电流-环境温度
Load current- Ambient temperature

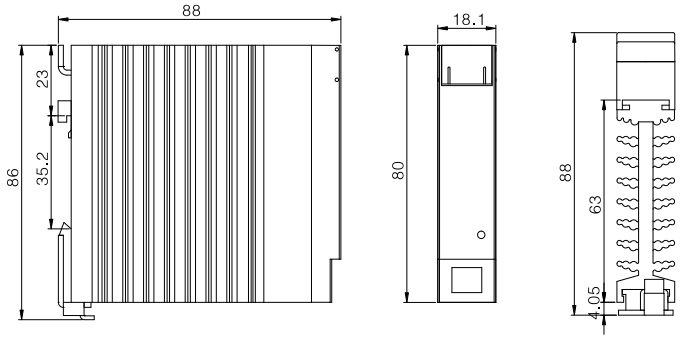


输入电压-输入电流
Input voltage-Input current

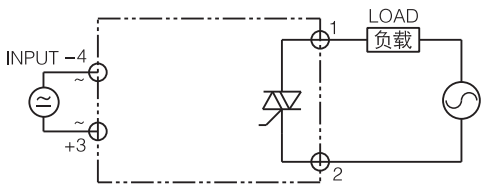


□ Dimensions and Wiring Diagram

・外形及安装尺寸图(单位: mm)
Dimensions diagram of the Outshape and mount



・端子接线图 Connection Diagram



XSSR–M1 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–模块式 单相交流固态继电器
- 单向可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- 内置RC吸收回路
- LED 指示工作状态

- Screw installation–module Type single phase AC solid state relay
- Unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- Built–in RC snubber circuit
- LED indicator for working status



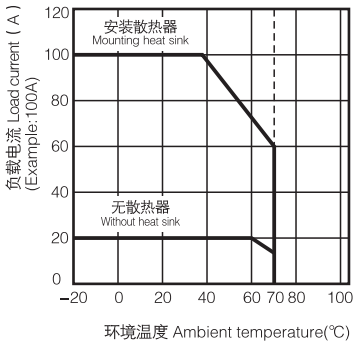
CE

□技术参数 Technical Specification

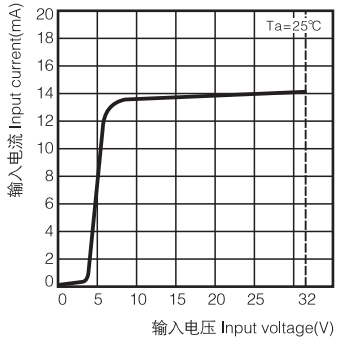
产品型号	Product model	XSSR–DA48□M1
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	60A–200A
负载最小电流	Load mini current	0.1A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

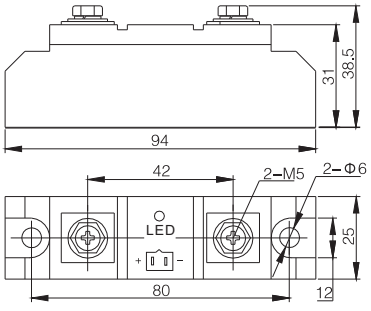


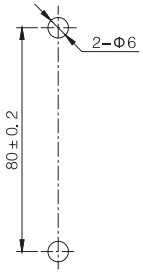
输入电压–输入电流
Input voltage–Input current



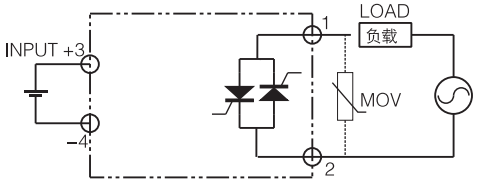
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



□特点 Features

- 螺栓安装–模块式 单相交流固态继电器
- 单向可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- 内置RC吸收回路
- LED 指示工作状态

- Screw installation–module Type single phase AC solid state relay
- Unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- Built–in RC snubber circuit
- LED indicator for working status

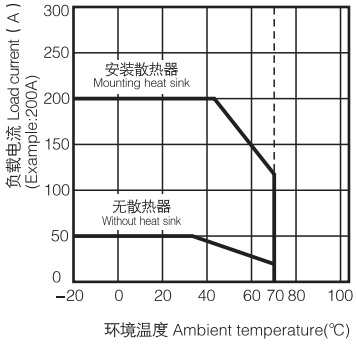


□技术参数 Technical Specification

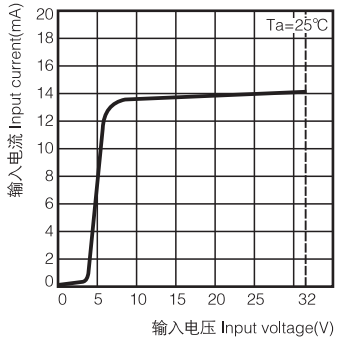
产品型号	Product model	XSSR–DA48□M2
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	160A–300A
负载最小电流	Load mini current	0.2A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

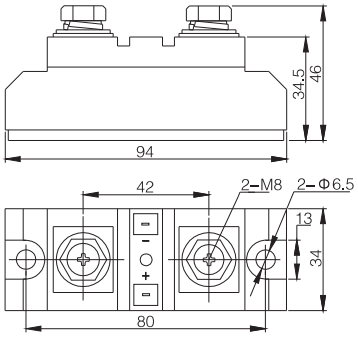


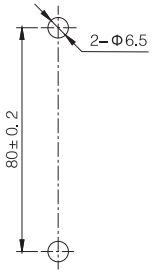
输入电压–输入电流
Input voltage–Input current



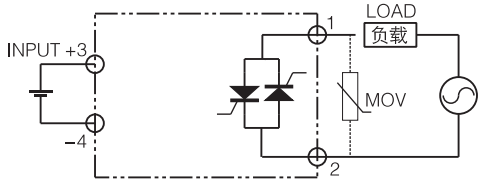
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



XSSR–M3 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–模块式 单相交流固态继电器
- 单向可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- 内置RC吸收回路
- LED 指示工作状态

- Screw installation–module Type single phase AC solid state relay
- Unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- Built–in RC snubber circuit
- LED indicator for working status



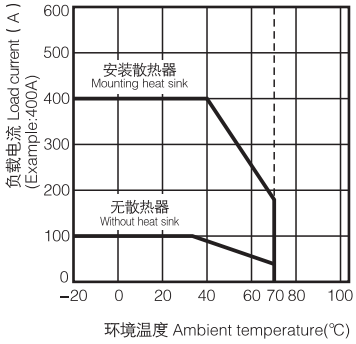
CE

□技术参数 Technical Specification

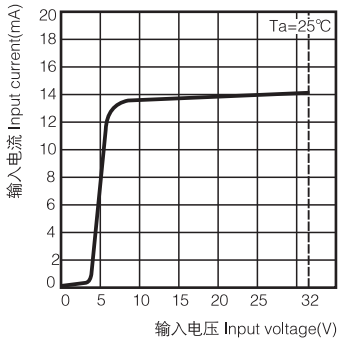
产品型号	Product model	XSSR–DA48□M3
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	300A–400A
负载最小电流	Load mini current	0.2A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

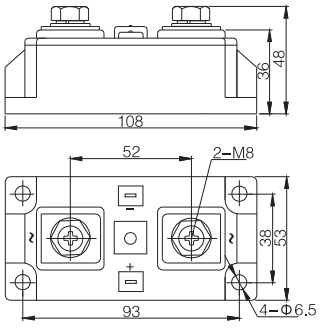


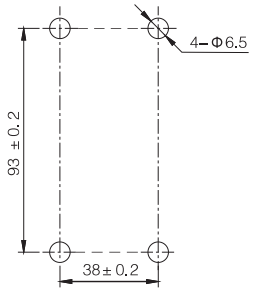
输入电压–输入电流
Input voltage–Input current



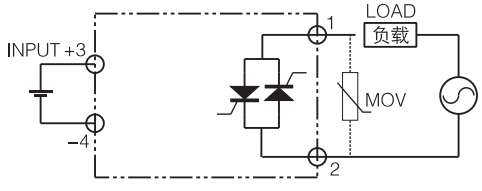
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



XSSR–M4 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–模块式 大功率交流固态继电器
- 单向压接式可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- Screw installation–module Type high power AC solid state relay
- Unidirectional press–fit thyristor chip with reverse parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes



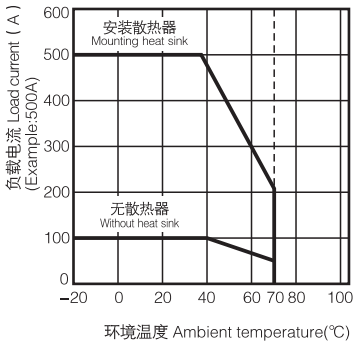
CE

□技术参数 Technical Specification

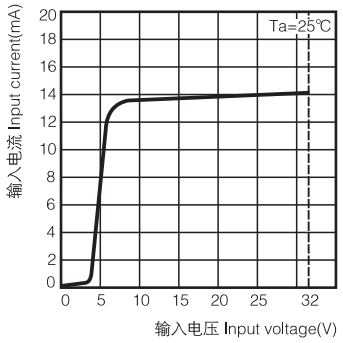
产品型号	Product model	XSSR–DA48□M4
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	400A–500A
负载最小电流	Load mini current	0.3A
通态压降	Breakover voltage	≤3VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

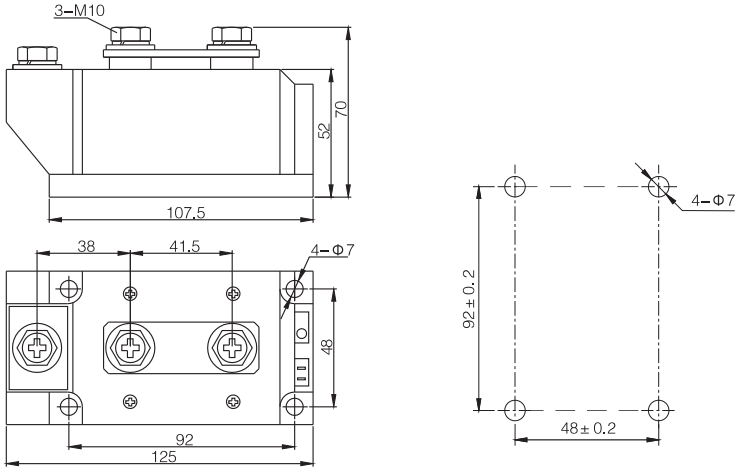


输入电压–输入电流
Input voltage–Input current

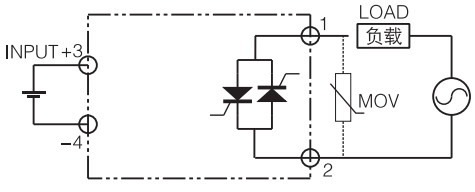


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR–M5 交流固态继电器 AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–模块式 大功率交流固态继电器
- 单向压接式可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式

- Screw installation–module Type high power AC solid state relay
- Unidirectional press–fit thyristor chip with reverse parallel normally open output
- DC–AC DC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes

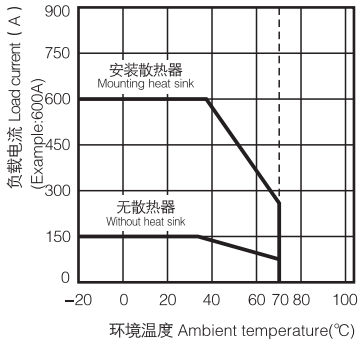


□技术参数 Technical Specification

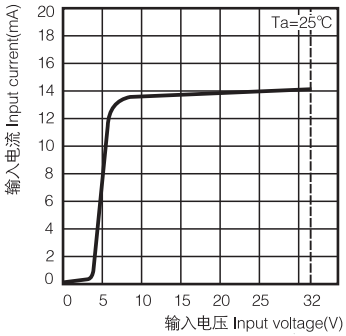
产品型号	Product model	XSSR–DA48□M5
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC
负载最大电流	Load max current	500A–600A
负载最小电流	Load mini current	0.5A
通态压降	Breakover voltage	≤3VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

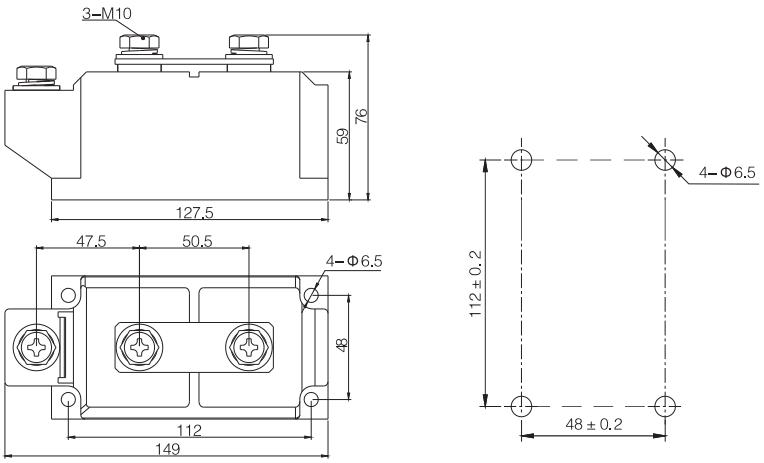


输入电压–输入电流
Input voltage–Input current

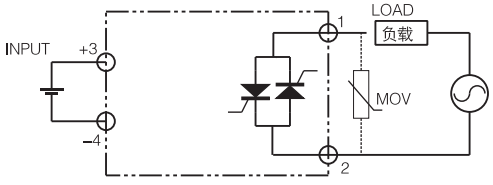


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



□特点 Features

- 电路板焊接–单列直插式 小型直流固态继电器
- 达林顿管/场效应管 常开输出
- DC–DC 直流信号控制直流负载
- 光电器件隔离
- SMD贴装工艺
- LED指示工作状态

- Circuit board soldering – Single–row through–hole small AC solid–state relay
- Darlington transistor / MOSFET normally open output
- DC–DC signal control for DC load
- Opto–electronic isolation
- SMD (Surface Mount Device) assembly process
- LED indicator for working status

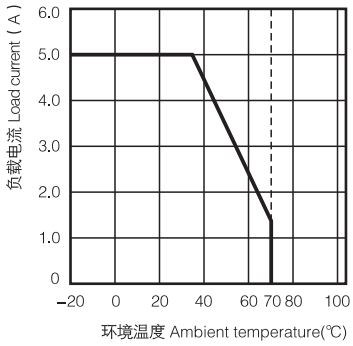


□技术参数 Technical Specification

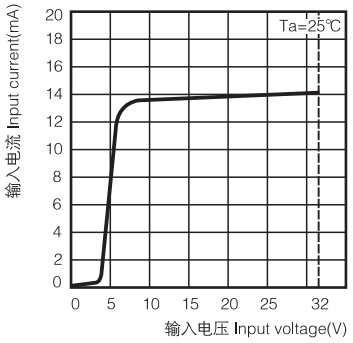
产品型号	Product model	XSSR–DD1103P3/1105P3
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	5–110VDC
负载最大电流	Load max current	3A–5A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.5VDC
输出漏电流	Output leakage current	≤0.5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤1mS
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)40–50%
		感性负载取(inductive load)20–30%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

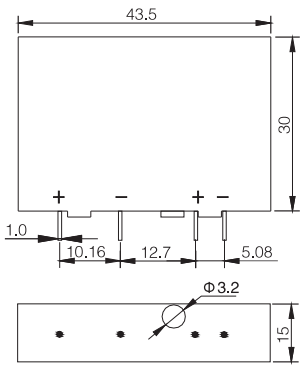


输入电压–输入电流
Input voltage–Input current

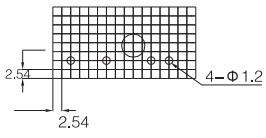


□外形尺寸及接线图 Dimensions and Wiring Diagram

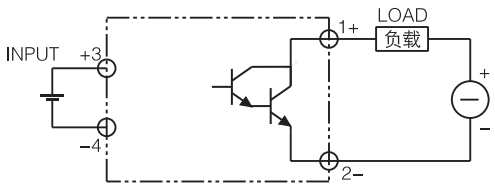
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram

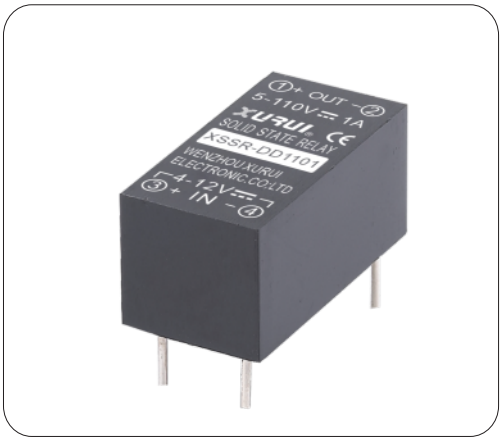


XSSR–P4 直流固态继电器 DC SOLID STATE RELAY

□特点 Features

- 电路板焊接–双列直插式 小型直流固态继电器
- 达林顿管/场效应管 常开输出
- DC–DC 直流信号控制直流负载
- 光电器件隔离

- PCB soldering–Dual Side Lead Insert Type Mini DC Solid State Relay
- Darlington transistor / MOSFET normally open output
- DC–DC signal control for DC load
- Opto–electronic isolation

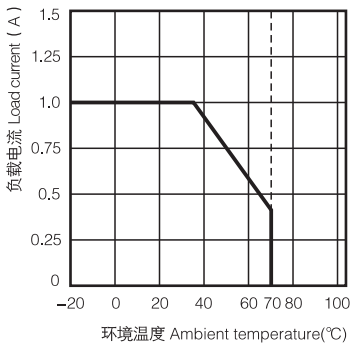


□技术参数 Technical Specification

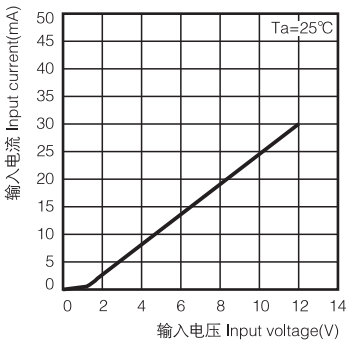
产品型号	Product model	XSSR–DD1101P4
控制电压	Control voltage	4–12VDC
控制电流	Control current	6–30mA
保证关闭电压	Guarantee close voltage	1.5VDC
保证开通电压	Guarantee open voltage	3.5VDC
负载电压	Load voltage	5–110VDC
负载最大电流	Load max current	1A
负载最小电流	Load mini current	0.02A
通态压降	Breakover voltage	≤1.5VDC
输出漏电流	Output leakage current	≤0.5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤1mS
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)40–50%
		感性负载取(inductive load)20–30%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

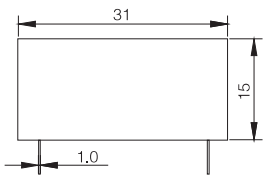


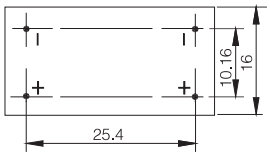
输入电压–输入电流
Input voltage–Input current



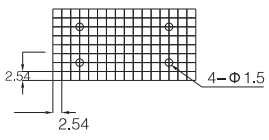
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount

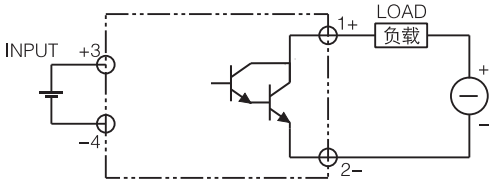




- PCB板尺寸
  Size of PCB Board
  (Bottom view)



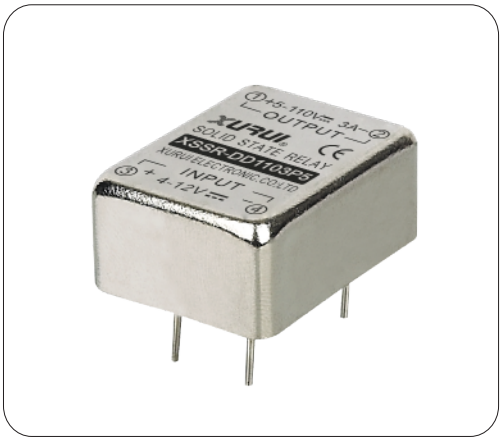
- 端子接线图 Connection Diagram



XSSR-P5 直流固态继电器 DC SOLID STATE RELAY

□特点 Features

- 电路板焊接-铜外壳 双列直插式 小型直流固态继电器
- 达林顿管/场效应管 常开输出
- DC-DC 直流信号控制直流负载
- 光电器件隔离
- Circuit board soldering - Dual-row through-hole small AC solid-state relay
- Darlington transistor / MOSFET normally open output
- DC-DC signal control for DC load
- Opto-electronic isolation

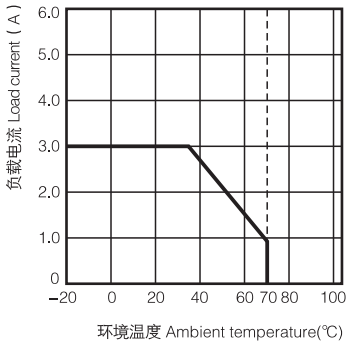


□技术参数 Technical Specification

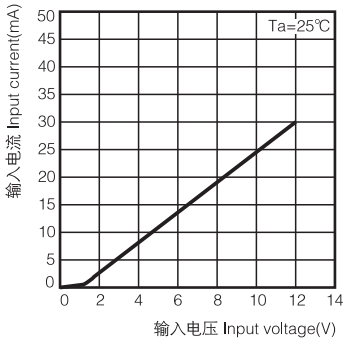
产品型号	Product model	XSSR-DD1102P5/1103P5
控制电压	Control voltage	4-12VDC
控制电流	Control current	6-30mA
保证关闭电压	Guarantee close voltage	1.5VDC
保证开通电压	Guarantee open voltage	3.5VDC
负载电压	Load voltage	5-110VDC
负载最大电流	Load max current	2A-3A
负载最小电流	Load mini current	0.03A
通态压降	Breakover voltage	≤1.5VDC
输出漏电流	Output leakage current	≤0.5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤1mS
频率范围	Frequency range	50-60Hz
工作温度	Operating temperature	-20-70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)40-50%
		感性负载取(inductive load)20-30%

□特性曲线 Characteristic curve

负载电流-环境温度
Load current- Ambient temperature

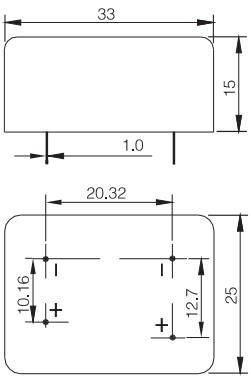


输入电压-输入电流
Input voltage-Input current

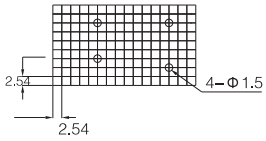


□外形尺寸及接线图 Dimensions and Wiring Diagram

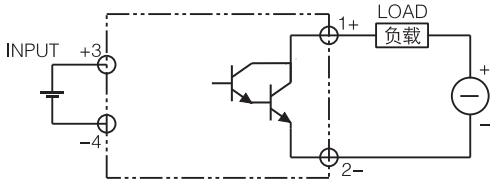
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- PCB板尺寸
  Size of PCB Board
  (Bottom view)



- 端子接线图 Connection Diagram



□特点 Features

- 螺栓安装–卧式 直流固态继电器
- 专利设计
- IGBT/场效应管 常开输出
- DC–DC 直流信号控制直流负载
- 变压器隔离
- SMD贴装工艺
- LED 指示工作状态

- Screw installation–horizontal Type DC Solid State Relay
- Patent design
- IGBT / MOSFET normally open output
- DC–DC signal control for DC load
- Transformer Isolation
- SMD (Surface Mount Device) assembly process
- LED indicator for working status

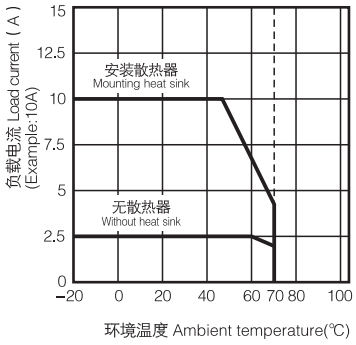


□技术参数 Technical Specification

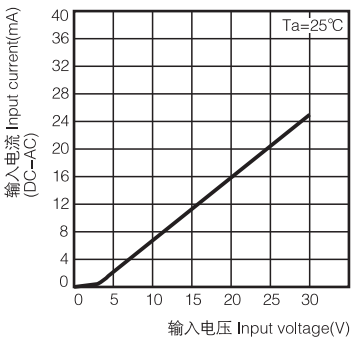
产品型号	Product model	XSSR–DD□□W1
控制电压	Control voltage	5–30VDC
控制电流	Control current	4–25mA
反向电压	Reverse voltage	30VDC
保证关闭电压	Guarantee close voltage	1.5VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	12–250VDC 12–400VDC
负载最大电流	Load max current	5A–40A
负载最小电流	Load mini current	0.06A
通态压降	Breakover voltage	≤1.8VDC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤5mS
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)40–50%
		感性负载取(inductive load)20–30%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

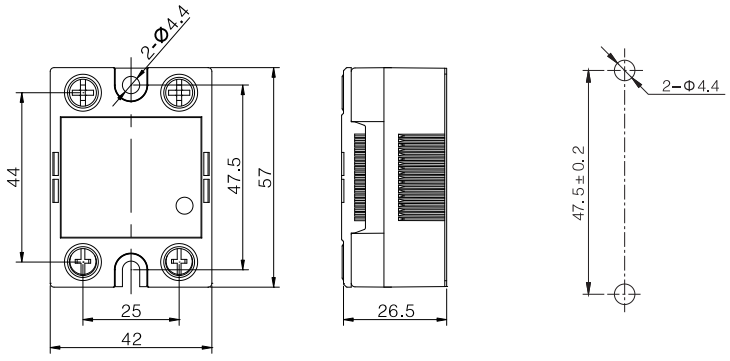


输入电压–输入电流
Input voltage–Input current

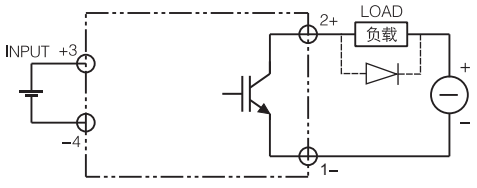


□外形尺寸及接线图
Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-W2 直流固态继电器 DC SOLID STATE RELAY

□特点 Features

- 螺栓安装-卧式 直流固态继电器
- 专利设计
- IGBT/场效应管 常开输出
- DC-DC 直流信号控制直流负载
- 变压器隔离
- LED 指示工作状态

- Screw installation-horizontal Type DC Solid State Relay
- Patent design
- IGBT / MOSFET normally open output
- DC-DC signal control for DC load
- Transformer Isolation
- LED indicator for working status

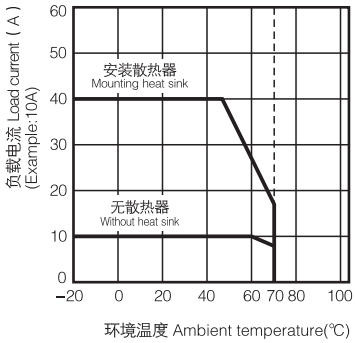


□技术参数 Technical Specification

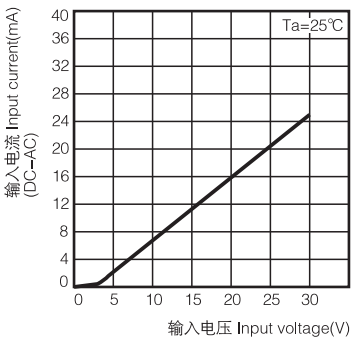
产品型号	Product model	XSSR-DD□□W2
控制电压	Control voltage	5-30VDC
控制电流	Control current	4-25mA
反向电压	Reverse voltage	30VDC
保证关闭电压	Guarantee close voltage	1.5VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	12-250VDC 12-400VDC
负载最大电流	Load max current	10A-120A
负载最小电流	Load mini current	0.08A
通态压降	Breakover voltage	≤2VDC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤5mS
工作温度	Operating temperature	-20-70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)40-50%
		感性负载取(inductive load)20-30%

□特性曲线 Characteristic curve

负载电流-环境温度
Load current- Ambient temperature

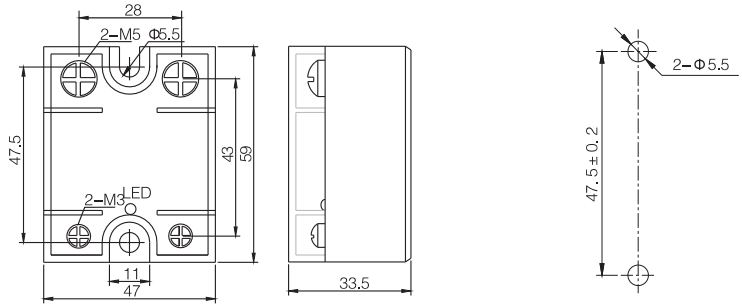


输入电压-输入电流
Input voltage-Input current

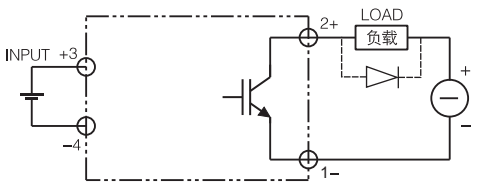


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram

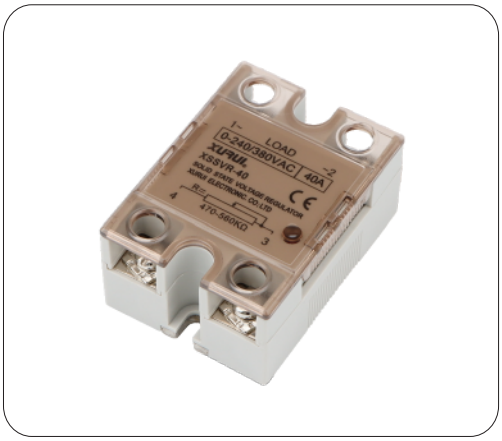


XSSVR–W1 调阻型单相交流固态调压器
ADJUSTABLE RESISTANCE TYPE SINGLE PHASE AC SOLID STATE REGULATOR

□特点 Features

- 螺栓安装–卧式 调阻型单相交流固态调压器
- 双向可控硅移相输出
- 电位器调节输出功率
- LED 指示工作状态

- Bolt installation–horizontal Type Resistance–adjustable single–phase AC solid–state voltage regulator
- Bidirectional thyristor normally open output
- Potentiometer regulates output power
- LED indicator for working status



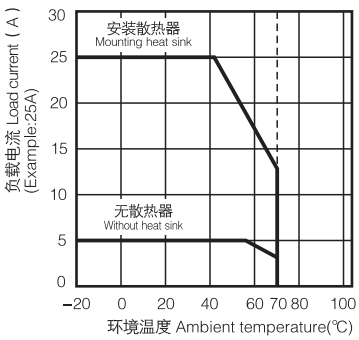
CE

□技术参数 Technical Specification

产品型号	Product model	XSSVR–□□W1
外接调整电位器	External potentionmeter	470–560kΩ/0.5–2W
导通角范围	Guarantee open voltage	0–170°
负载电压	Load voltage	0–240V/380VAC 0–480VAC
负载最大电流	Load max current	10A–40A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

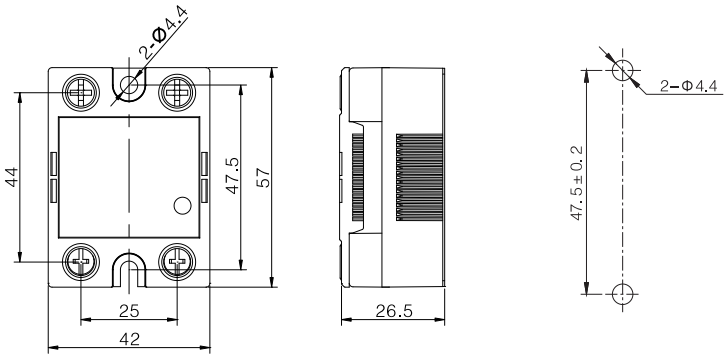
□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

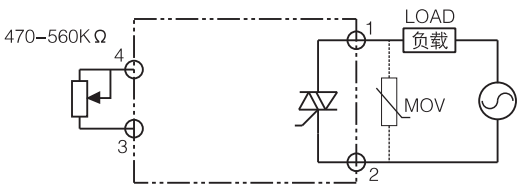


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



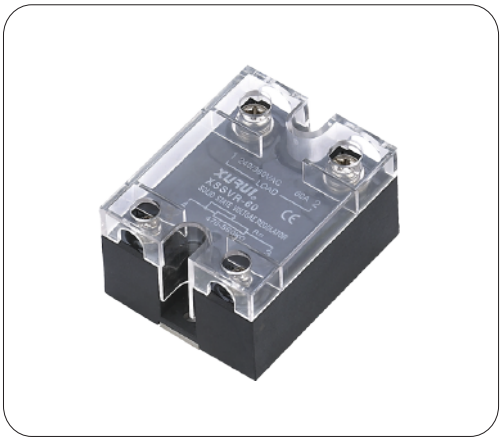
- 端子接线图 Connection Diagram



XSSVR–W2 调阻型单相交流固态调压器
ADJUSTABLE RESISTANCE TYPE SINGLE PHASE AC SOLID STATE REGULATOR

□特点 Features

- 螺栓安装–卧式 调阻型单相交流固态调压器
- 双向可控硅移相输出
- 电位器调节输出功率
- LED 指示工作状态
- Bolt installation–horizontal Type Resistance–adjustable single–phase AC solid–state voltage regulator
- Bidirectional thyristor normally open output
- Potentiometer regulates output power
- LED indicator for working status



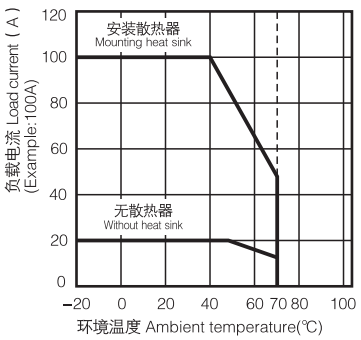
CE

□技术参数 Technical Specification

产品型号	Product model	XSSVR–□□W2
外接调整电位器	External potentionmeter	470–560kΩ/0.5–2W
导通角范围	Guarantee open voltage	0–170°
负载电压	Load voltage	0–240V/380VAC 0–480VAC
负载最大电流	Load max current	50A–200A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤1mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
频率范围	Frequency range	50–60Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

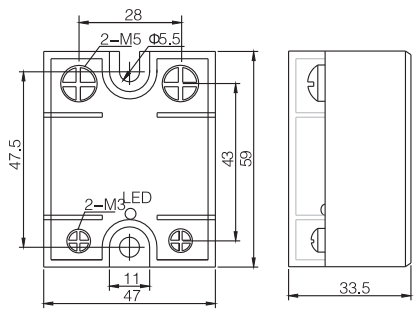
□特性曲线 Characteristic curve

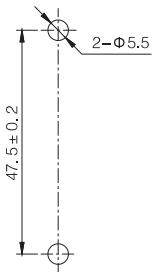
负载电流–环境温度
Load current– Ambient temperature



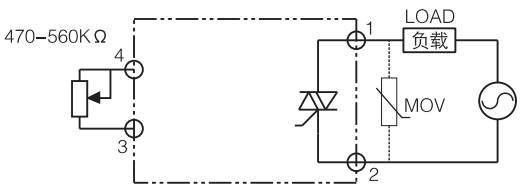
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



XSSVR–W2 调流型单相交流固态调压器
MODULATING TYPE SINGLE PHASE AC SOLID STATE REGULATOR

□特点 Features

- 螺栓安装–卧式 调流型单相交流固态调压器
- 双向可控硅/单向可控硅芯片反并联 移相输出
- 光电器件隔离
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态

- Bolt installation–horizontal Type Current Regulating single–phase AC solid–state voltage regulator
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- Opto–electronic isolation
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status



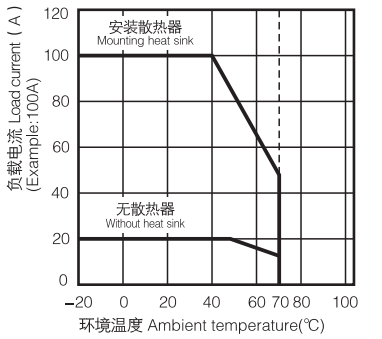
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□技术参数 Technical Specification

产品型号	Product model	XSSVR–CA□□W2
输入控制	Input control	4-20mA
负载电压	Load voltage	0–240VAC
负载最大电流	Load max current	10A–120A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
频率范围	Frequency range	47–63Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

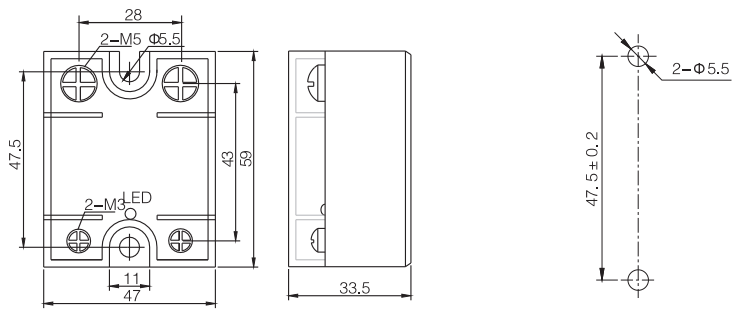
□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

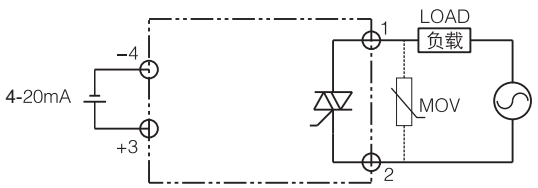


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSVR–W2 调压型单相交流固态调压器 MODULATING TYPE SINGLE PHASE AC SOLID STATE REGULATOR

□特点 Features

- 螺栓安装–卧式 调压型单相交流固态调压器
- 双向可控硅/单向可控硅芯片反并联 移相输出
- 光电器件隔离
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态
- Bolt installation–horizontal Type Voltage regulating single–phase AC solid–state voltage regulator
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- Opto–electronic isolation
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status

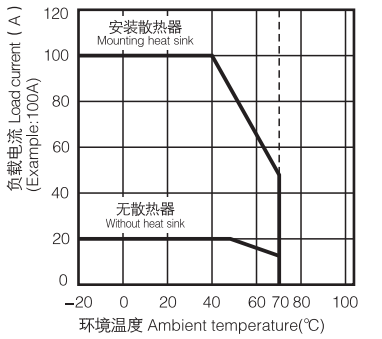


□技术参数 Technical Specification

产品型号	Product model	XSSVR–VA□□W2
输入控制	Input control	0-10VDC; 0-5VDC
负载电压	Load voltage	0–240VAC
负载最大电流	Load max current	10A–120A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
频率范围	Frequency range	47–63Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

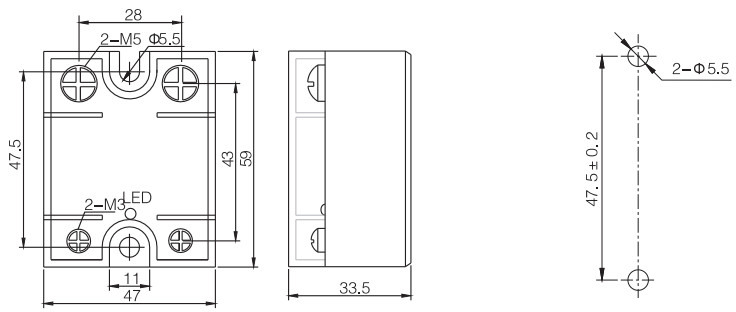
□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

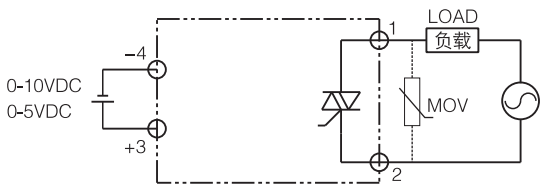


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram

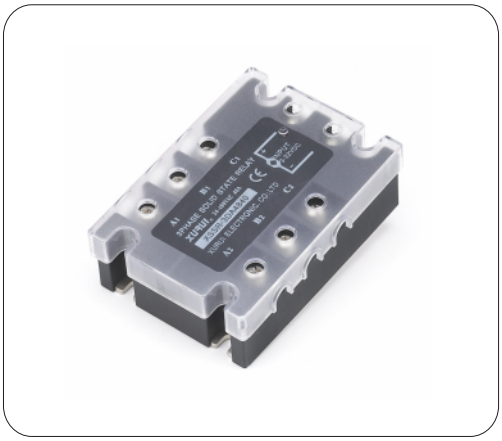


XSSR–W3 三相交流固态继电器 3P AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 三相交流固态继电器
- 双向可控硅/单向可控硅反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- 内置RC吸收回路
- LED 指示工作状态

- Bolt installation–horizontal Type three–phase AC solid state relay
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- Built–in RC snubber circuit
- LED indicator for working status

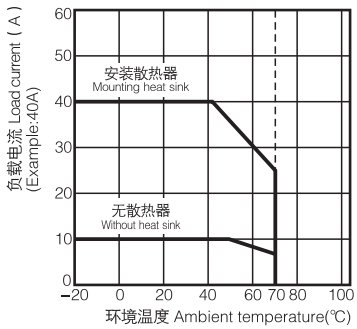


□技术参数 Technical Specification

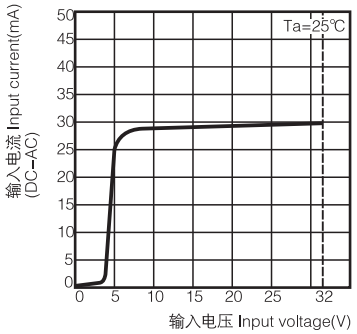
产品型号	Product model	XSSR–3DA48□W3	XSSR–3AA48□W3
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	10–30mA	10–30mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–480VAC	
负载最大电流	Load max current	10A–75A	
负载最小电流	Load mini current	0.06A	
通态压降	Breakover voltage	≤1.6VAC	
输出漏电流	Output leakage current	≤8mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

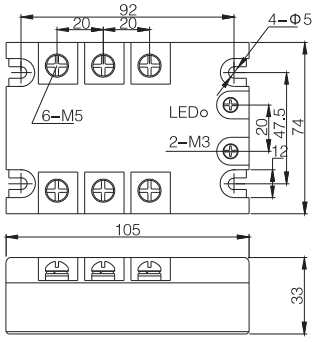


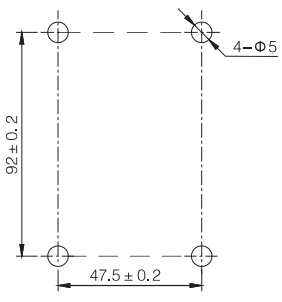
输入电压–输入电流
Input voltage–Input current



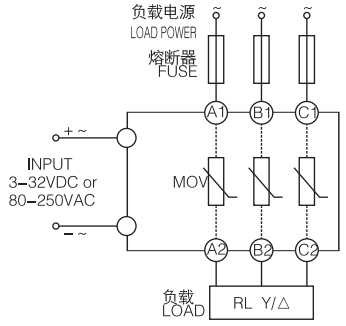
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram

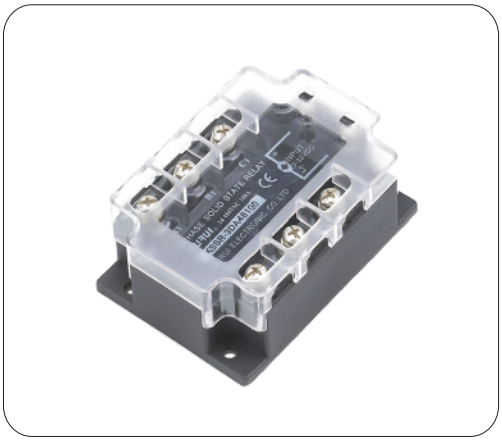


XSSR–W4 三相交流固态继电器 3P AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 三相交流固态继电器
- 单向可控硅芯片反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态

- Bolt installation–horizontal Type three–phase AC solid state relay
- Unidirectional press–fit thyristor chip with reverse parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status

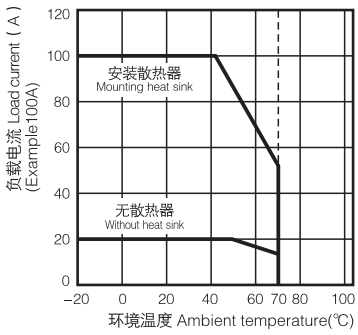


□技术参数 Technical Specification

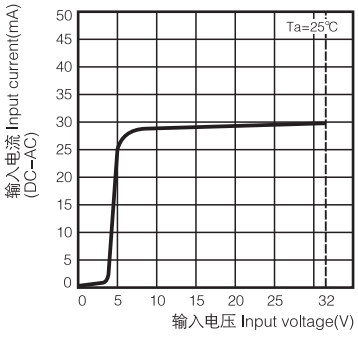
产品型号	Product model	XSSR–3DA48□W4	XSSR–3AA48□W4
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	10–30mA	10–30mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–480VAC	
负载最大电流	Load max current	75A–200A	
负载最小电流	Load mini current	0.1A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤8mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

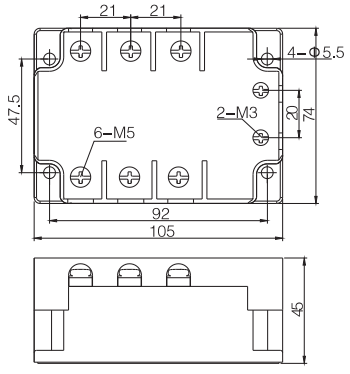


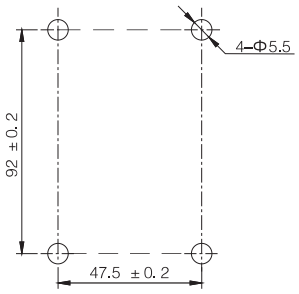
输入电压–输入电流
Input voltage–Input current



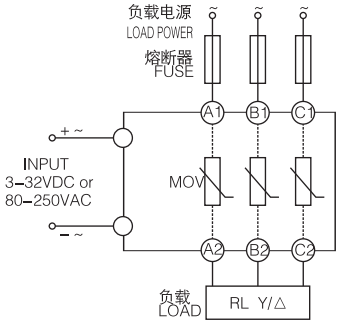
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





- 端子接线图 Connection Diagram



XSSR–W10 三相交流固态继电器 3P AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 三相交流固态继电器
- 专利设计
- 双向可控硅/单向可控硅反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态

- Bolt installation–horizontal Type three–phase AC solid state relay
- Patent design
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status

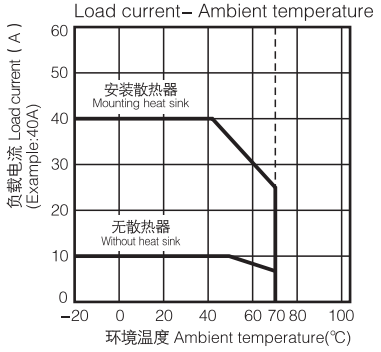


□技术参数 Technical Specification

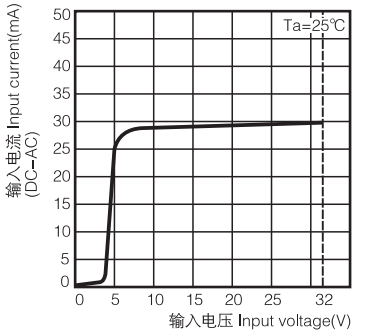
产品型号	Product model	XSSR–3DA48□W10	XSSR–3AA48□W10
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	10–30mA	10–30mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–480VAC	
负载最大电流	Load max current	10A–120A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤1.8VAC	
输出漏电流	Output leakage current	≤8mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

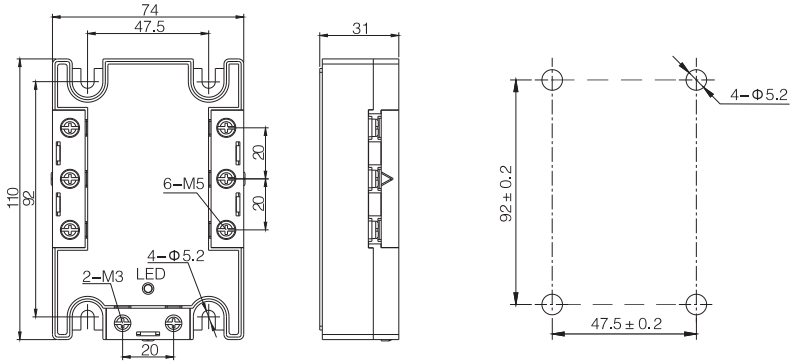


输入电压–输入电流
Input voltage–Input current

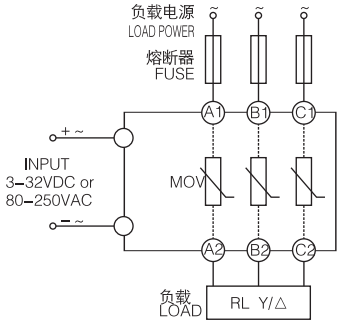


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSR-3H 三相交流一体化固态继电器 THREE PHASE AC SOLID STATE RELAY

□特点 Features

- 导轨安装–立式 三相交流一体化固态继电器
- 双向可控硅/单向可控硅反并联 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置保护电路，抗干扰能力强
- LED 指示工作状态

- Din Rail installation–vertical Type three–phase AC integrated solid state relay
- Bidirectional thyristor/unidirectional thyristor anti–parallel normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in protection circuit, strong anti–interference capability
- LED indicator for working status

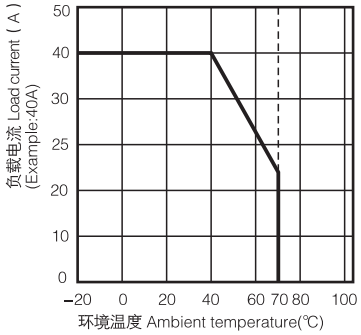


□技术参数 Technical Specification

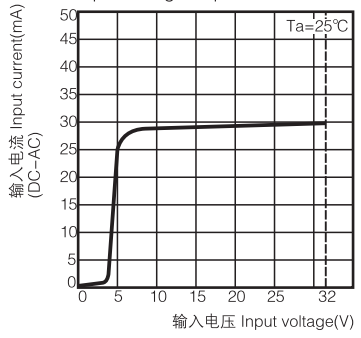
产品型号	Product model	XSSR–3DA□□H	XSSR–3AA□□H
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	≤35mA	≤35mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	24–480VAC	
负载最大电流	Load max current	10A–60A	
负载最小电流	Load mini current	0.08A	
通态压降	Breakover voltage	≤2VAC	
输出漏电流	Output leakage current	≤8mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	47–63Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

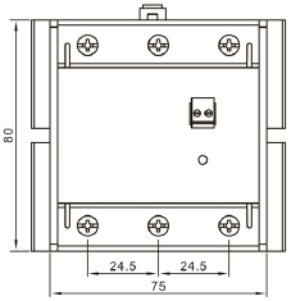


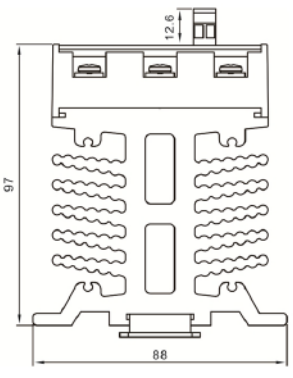
输入电压–输入电流
Input voltage–Input current



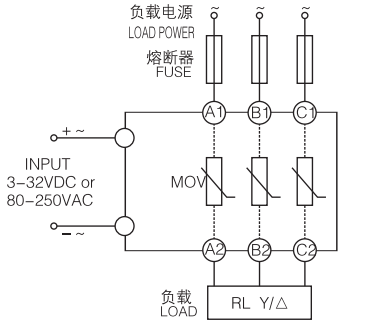
□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount





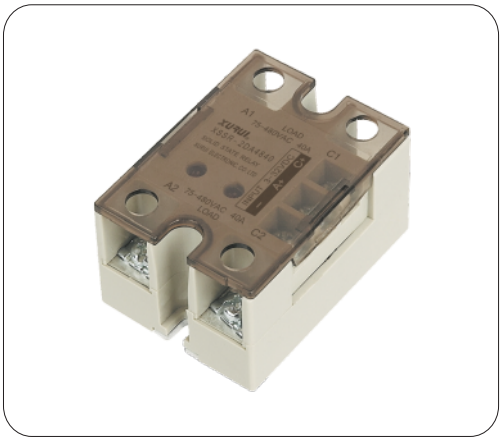
- 端子接线图 Connection Diagram



XSSR–W11 双路交流固态继电器 DUAL CHANNEL AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 双路输出交流固态继电器
- 双向可控硅输出
- 两常开/两常闭/一常开一常闭三种输出形式
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- LED 指示工作状态
- Bolt installation–horizontal Type Dual output AC solid state relay
- Bidirectional thyristor output
- Three output forms: 2NO/2NC/1NO1NC
- DC–AC DC Singnal control AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- LED indicator for working status

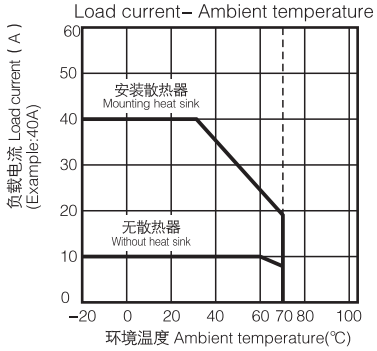


□技术参数 Technical Specification

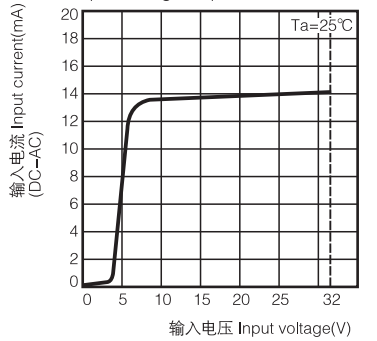
产品型号	Product model	XSSR–2DA48□W11	XSSR–2AA48□W11
控制电压	Control voltage	3–32VDC	80–250VAC
控制电流	Control current	6–25mA	5–25mA
反向电压	Reverse voltage	32VDC	/
保证关闭电压	Guarantee close voltage	1VDC	30VAC
保证开通电压	Guarantee open voltage	3VDC	80VAC
负载电压	Load voltage	75–480VAC	
负载最大电流	Load max current	5A–40A	
负载最小电流	Load mini current	0.05A	
通态压降	Breakover voltage	≤1.6VAC	
输出漏电流	Output leakage current	≤5mA	
介质耐压	Medium withstand voltage	≥2500VAC	
绝缘电阻	Insulating resistance	≥100MΩ	
开关时间	Switching time	≤10mS	
频率范围	Frequency range	50–60Hz	
工作温度	Operating temperature	–20–70℃	
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%	
		感性负载取(inductive load)30–40%	

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

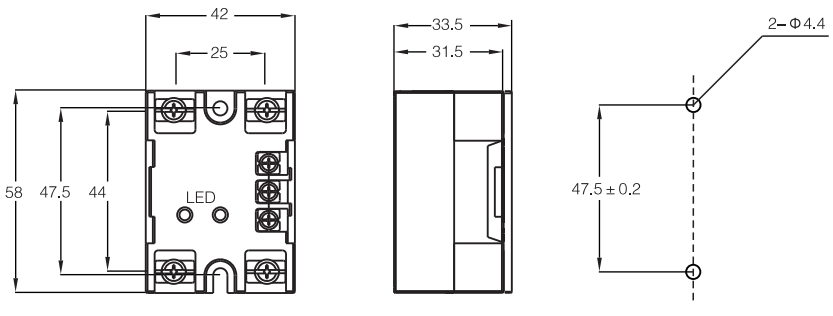


输入电压–输入电流
Input voltage–Input current

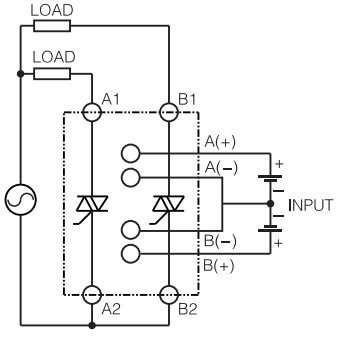


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram

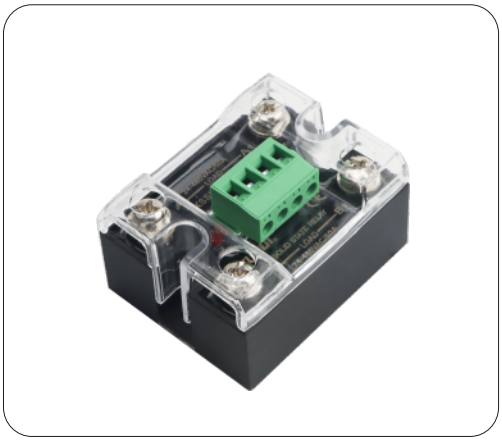


XSSR-W2 双路交流固态继电器 DUAL CHANNEL AC SOLID STATE RELAY

□特点 Features

- 螺栓安装–卧式 双路交流固态继电器
- 双向可控硅 两路常开输出
- DC–AC 直流信号控制交流负载
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路
- LED 指示工作状态

- Bolt installation–horizontal Type Dual output AC solid state relay
- Bidirectional thyristor Dual output output
- DC–AC DC Singnal control AC load
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status



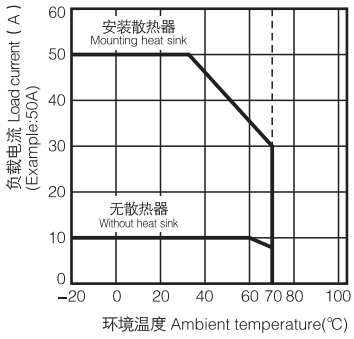
CE

□技术参数 Technical Specification

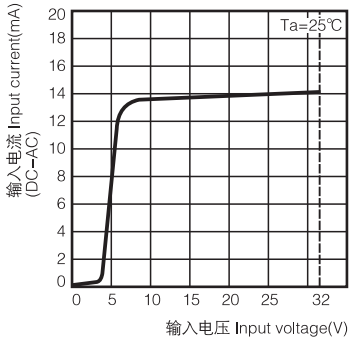
产品型号	Product model	XSSR–2DA48□W2
控制电压	Control voltage	3–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	24–480VAC
负载最大电流	Load max current	10A–60A
负载最小电流	Load mini current	0.08A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	47–63Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

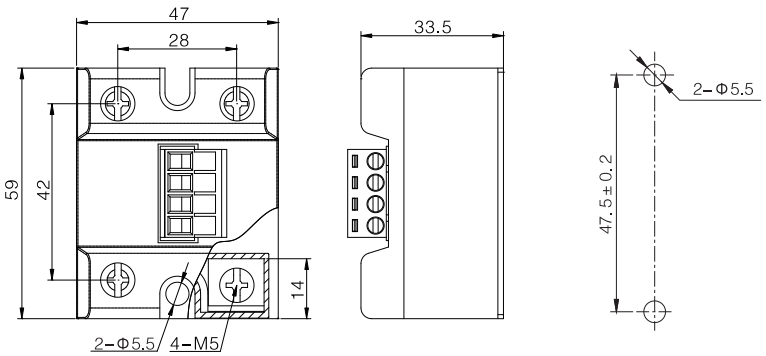


输入电压–输入电流
Input voltage–Input current

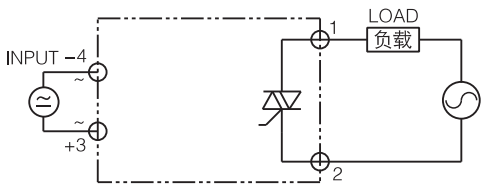


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount

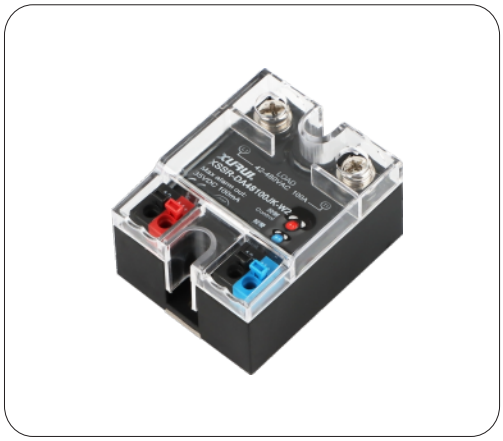


- 端子接线图 Connection Diagram



XSSR-JK 集成监控型单相交流固态继电器
MONITORING AC SOLID STATE RELAY

□特点 Features



- 螺栓安装–卧式 集成监控型单相交流固态继电器
- 输入与输出光电隔离，绝缘电压大于 2500V。
- LED 指示固态继电器工作和报警状态。
- 内置晶体管报警输出信号，方便多种功能电路的接口连接。
- 静态工作电流小，功耗小。
- 环氧树脂一体化封装，体积小，安装简便。
- SMD 贴装工艺；
- 可对负载故障进行监控保护，在电路主电源丢失、负载丢失、继电器击穿及负载输出端短路的情况下，能够做出报警并断开控制电路，以达到保护继电器、用电设备以及人身安全等功能。
- 广泛应用于各种工业自动化装置、计算机外围接口、加热、电机、数控等领域。

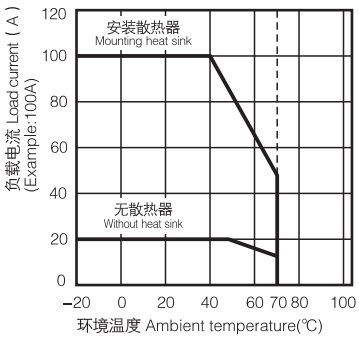
- Bolt installation–horizontal Type Integrated monitoring single–phase AC solid state relay
- Input and output are optically isolated with an insulation voltage greater than 2500V.
- LED indicator for solid–state relay operating and alarm status.
- Built–in transistor alarm output signal for easy interface connection with various functional circuits.
- Low static operating current, low power consumption.
- Epoxy resin integrated packaging, compact size, easy installation
- SMD (Surface Mount Device) assembly process
- Monitors and protects against load failures. In cases of power loss, load loss, relay breakdown, or short circuit at the load output, it will trigger an alarm and disconnect the control circuit, ensuring protection for the relay, electrical equipment, and personnel safety.
- Widely used in various industrial automation systems, computer peripherals, heating, motors, CNC, and other fields.

□技术参数 Technical Specification

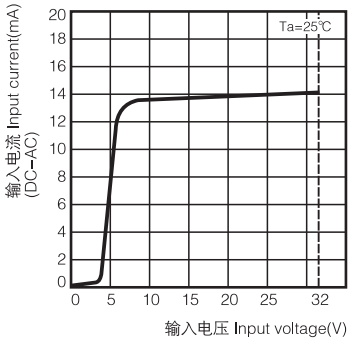
产品型号	Product model	XSSR–DA□□JK–W2
控制电压	Control voltage	4–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	42–480VAC
负载最大电流	Load max current	10–120A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤1.6VAC
输出漏电流	Output leakage current	≤5mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	47–63Hz
报警输出额定值	Alarm output rating	≤35VDC/100mA
报警输出电压降	Alarm output breakover voltage	≈1.2V
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

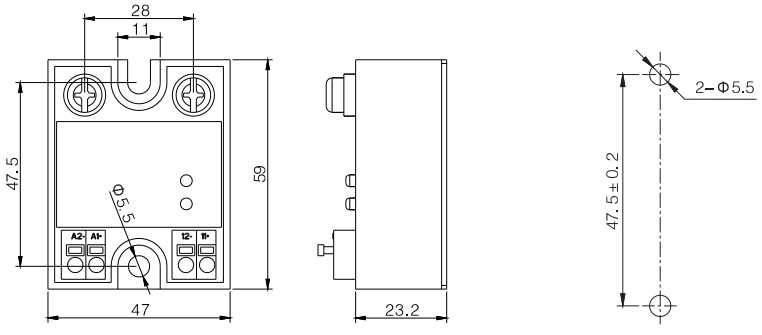
负载电流–环境温度
Load current– Ambient temperature



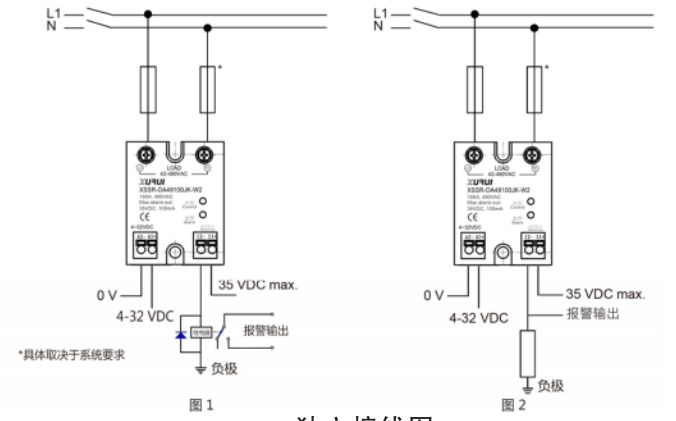
输入电压–输入电流
Input voltage–Input current



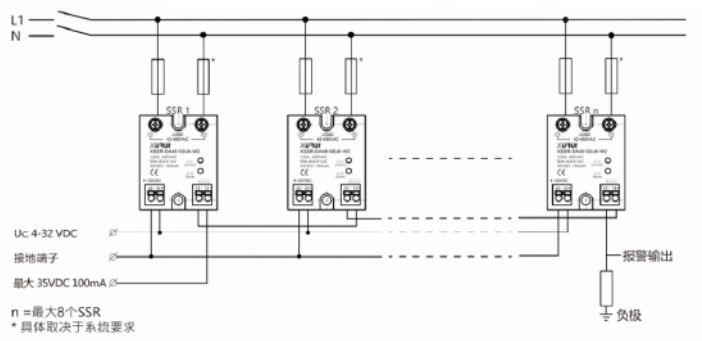
□外形尺寸及安装尺寸图
Outshape dimensions & Dimensions diagram



□接线图 Connection Diagram



独立接线图
Independent wiring diagram



串联接线图
Series wiring diagram

符号	组件		功能	
1/L1 2/T1	电源接头	Power Connector	主电源接头和负载接头控制接头	Main Power and Load Connectors
A1+ A2–	控制接头	Control Connector	控制电压连接插头	Control Voltage Connector
11+ 12-	报警输出连接	larm Output Connection	NC–晶体管常闭输出	NC–Transistor Normally Closed Output
红色 LED	工作状态指示灯	Operating Status Indicator	指示是否存在控制电压	Indicator for Control Voltage Presence
蓝色 LED	报警状态指示灯	Alarm Status Indicator	指示是否存在报警条件	Indicator for Alarm Condition Presence

□工作模式 Operating mode

		正常运行 SSR关断 Normal operation SSR open	正常运行 SSR导通 Normal operation SSR close	电源丢失 Loss of power	负载丢失 Loss of load	短路 Short circuit	正常运行 SSR导通 Normal operation SSR close
主电源(L1)	Main power	■	■		■	■	■
负载电源(T1)	Load power		■			■	■
负载电流	Load current		■			■	■
控制输入(A1 A2)	Ctrl input		■	■	■	■	
红色 LED(控制)	Red(Ctrl)		■	■	■	■	
蓝色 LED(报警)	Blue (Fault)			■	■	■	
警报输出・常闭(11 12)		■	■	断开Open	断开Open	断开Open	■

- 主电源丢失
- 如果主电源端 1/L1 电源电压丢失超过1秒，会发出电源丢失报警，此时蓝色 LED 持续亮起，当 电源端 1/L1 电压恢复后1秒后报警自动解除。
- Main Power Loss
- When the main power is lost, the blue LED will stay on. Once the power at terminal 1/L1 is restored, and if the power loss lasts for more than 1 second after the voltage recovery, a power alarm will be triggered and automatically cleared

- 负载丢失
- 在控制电压接通和关闭情况下均可检测负载丢失，端子2/T1上没有负载或开路时发出报警，故障清除后，报警自动解除。
- Load Loss:
- Load loss can be detected both when the control voltage is ON or OFF. If there is no load or an open circuit at terminal 2T1, an alarm will be triggered. The alarm will automatically clear once the fault is cleared.

- 短路
- 无论是否有施加控制信号，负载端短路或继电器内部击穿导致输出一直闭合时，都会发生报警，故障消失后，报警自动解除。
- Short Circuit
- An alarm will be triggered if the output remains closed due to a short circuit. Regardless of whether the control signal is applied, a short circuit at the load terminal or internal breakdown of the relay will trigger an alarm. The alarm will automatically clear once the fault is resolved.

□特点 Features

- 螺栓安装–卧式 电流保护单相交流固态继电器
- 双向可控硅 常开输出
- DC–AC 直流信号控制交流负载/AC–AC 交流信号控制交流负载
- 自带快速熔断器，当电流异常突增时可保护继电器和设备
- 光电器件隔离
- 过零/随机触发形式
- SMD贴装工艺
- 内置RC吸收回路及TVS保护
- LED 指示工作状态

- Bolt installation–horizontal Type Current Protection Single–phase AC solid state relay
- Bidirectional thyristor normally open output
- Bidirectional thyristor normally open output
- DC–AC DC signal controls AC load/AC–AC AC signal controls AC load
- It is equipped with a rapid fuse. When the current suddenly surges abnormally, it can protect the relay and the equipment.
- Opto–electronic isolation
- Zero–crossing / Random triggering modes
- SMD (Surface Mount Device) assembly process
- Built–in RC snubber circuit
- LED indicator for working status



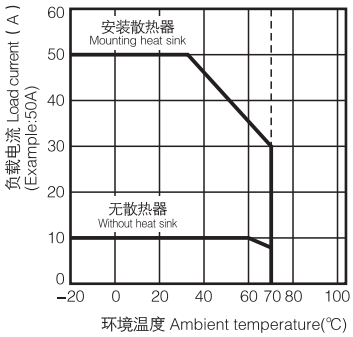
CE

□技术参数 Technical Specification

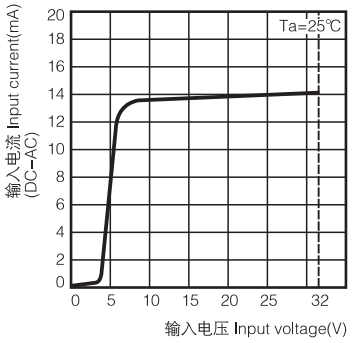
产品型号	Product model	XSSR–DA□□FW2
控制电压	Control voltage	5–32VDC
控制电流	Control current	6–25mA
反向电压	Reverse voltage	32VDC
保证关闭电压	Guarantee close voltage	1.5VDC
保证开通电压	Guarantee open voltage	3VDC
负载电压	Load voltage	75–480VAC/75–600VAC
负载最大电流	Load max current	10A–120A
负载最小电流	Load mini current	0.1A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
绝缘电阻	Insulating resistance	≥100MΩ
开关时间	Switching time	≤10mS
频率范围	Frequency range	47–63Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

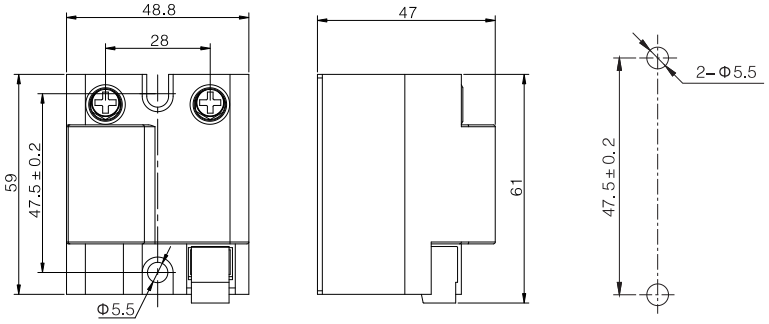


输入电压–输入电流
Input voltage–Input current

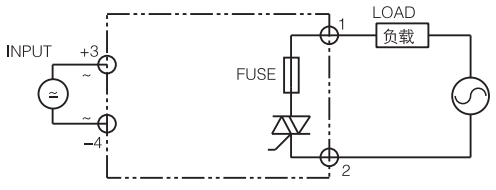


□外形尺寸及接线图 Dimensions and Wiring Diagram

- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount



- 端子接线图 Connection Diagram



XSSVR–3P 三相智能交流固态调压模块
THREE–PHASE INTELLIGENT AC SOLID STATE REGULATING MODULE

□特点 Features



- 螺栓安装–卧式 三相智能交流固态调压模块
- 输入与输出光电隔离，绝缘电压大于 2500V；
- 双色LED 作电源指示和输出状态指示；
- 内置同步变压器及环氧树脂一体化封装结构，体积小，安装简便；
- 具有线性补偿功能，内置 RC 阻容吸收电路，谐波干扰小，抗干扰能力强；
- 兼容各种自动输入电信号，也可电位器手动控制，输入调节范围宽，输出调节精度高；
- 三相对称性好，输出平稳、无级可调；
- SMD 贴装、功率晶闸管芯片反并联输出及DCB底板键合等工艺；
- 广泛应用于各种工业自动化装置、计算机外围接口、加热、电机、数控等领域。

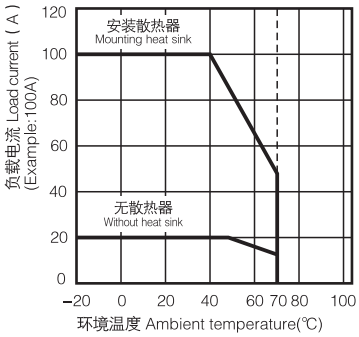
- Bolt installation–horizontal Type three–phase intelligent AC solid–state voltage regulating module
- Input and output are optically isolated with an insulation voltage greater than 2500V.
- Bicolor LED indicators for power and output status.
- Features an integrated epoxy resin package with a built–in synchronous transformer, compact size, and easy installation.
- Linear compensation functionality, with an integrated RC snubber circuit, low harmonic interference, and strong anti–interference capability.
- Compatible with various automatic input electrical signals, and also supports manual control via a potentiometer, offering a wide input adjustment range and high output precision.
- Excellent three–phase symmetry, smooth output, and stepless adjustable.
- SMD mounting, power SCR chip reverse parallel output, and DCP board bonding processes.
- Widely used in various industrial automation devices, computer peripheral interfaces, heating, motors, CNC, and other fields.

□技术参数 Technical Specification

产品型号	Product model	XSSVR–3P380D□CRV
输入控制	Input control	2–10KΩ/0–5VDC/0–10VDC/4–20mA/0–10mA
负载电压	Load voltage	0–380VAC
负载最大电流	Load max current	10A–200A
负载最小电流	Load mini current	0.05A
通态压降	Breakover voltage	≤2VAC
输出漏电流	Output leakage current	≤8mA
介质耐压	Medium withstand voltage	≥2500VAC
开关时间	Switching time	≤10mS
介质耐压	Medium withstand voltage	≥2500VAC
频率范围	Frequency range	47–63Hz
工作温度	Operating temperature	–20–70℃
负载电流安全系数 load current safety factor		阻性负载取(resistive load)50–60%
		感性负载取(inductive load)30–40%

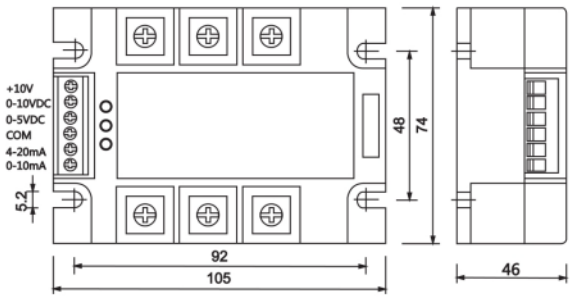
□特性曲线 Characteristic curve

负载电流–环境温度
Load current– Ambient temperature

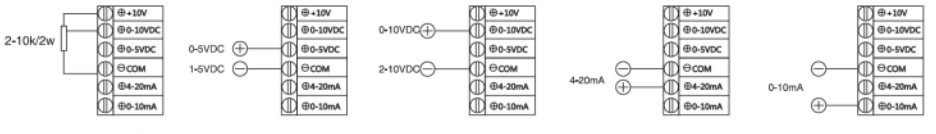


□外形尺寸图&接线图
Outshape dimensions & Connection diagram

・外形及安装尺寸图(单位: mm)
Dimensions diagram of the Outshape and mount

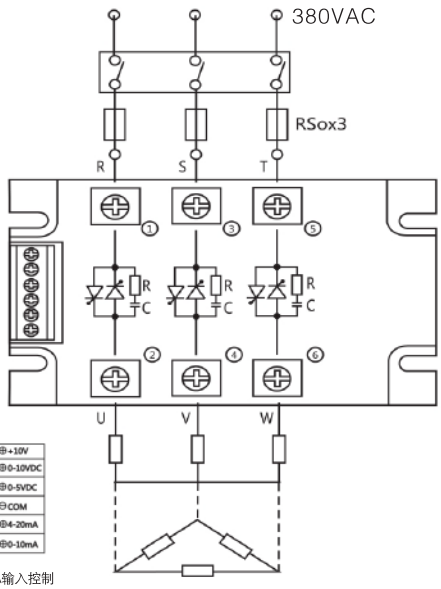


・输入控制方式 Input control form



2–10kΩ/2W手动控制　0–5VDC/1–5VDC输入控制　0–10VDC/2–10VDC输入控制　4–20mA输入控制　0–10mA输入控制

・接线图 Connection Diagram



XSSR–MRH 直流电机正反转控制模块 DC MOTOR CONTROL MODULE

□特点 Features

- 导轨安装–立式 直流电机正反转控制模块
- MOSFET 常开输出
- DC–DC 直流信号控制直流电机
- 光电器件隔离
- 内置互锁保护
- SMD贴装工艺
- 红蓝双色LED指示正反转等工作状态

- Din Rail installation–vertical Type DC motor forward & reverse control module
- MOSFET Normally open output
- DC–DC DC signal control of DC motor
- Opto–electronic isolation
- Built in interlock protection
- SMD (Surface Mount Device) assembly process
- The red and blue dual color LED indicates the working status of forward and reverse rotation



CE

□技术参数 Technical Specification

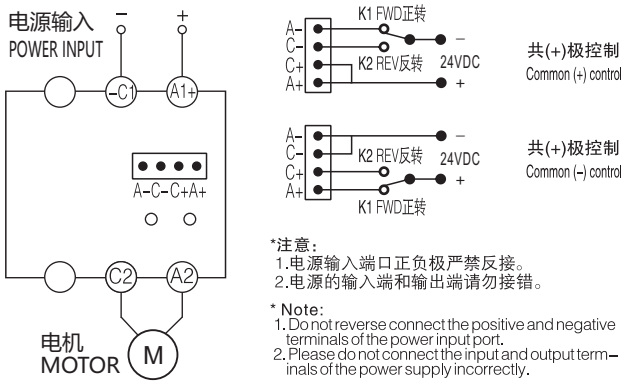
产品型号	Product model	XSSR–DC02□MRH
额定通断电流	Rated on–off current	10–60A DC
瞬态电压	Transient voltage	100V
输入电压	Input voltage	18–26V DC
保证接通电压	Guaranteed on–voltage	14V
可靠关断电压	Reliable turn–off voltage	2V
开通时间	Opening time	≤2ms
关断时间	Turn–off time	≤1ms
互锁时间	Interlock time	≤5ms
输出电压降	Output voltage drop	≤0.5V
介质耐压	Dielectric withstand voltage	2500V AC
工作温度	Operating temperature	–30~80℃

□输入控制与输出逻辑关系 Input Control & Output Logic Relationship

输入控制开关 Input control switch	输入信号 Input signal		输出 Output	指示灯 Pilot lamp
	正转Corotation	反转Reversal		
K1闭合Close, K2断开Open	24V	0V	A1–A2,C1–C2 导通Breakover	红 Red
K2闭合Close, K1断开Open	0V	24V	A1–C2,C1–A2 导通Breakover	蓝 Blue

□外形尺寸及接线图 Dimensions and Wiring Diagram

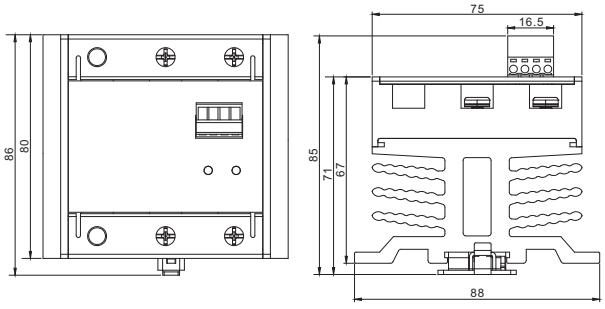
- 端子接线图 Connection Diagram



*注意:
1.电源输入端口正负极严禁反接。
2.电源的输入端和输出端请勿接错。

* Note:
1. Do not reverse connect the positive and negative terminals of the power input port.
2. Please do not connect the input and output terminals of the power supply incorrectly.

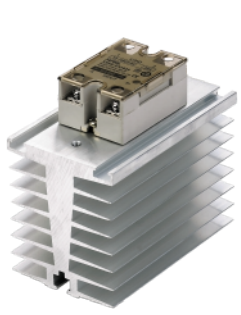
- 外形及安装尺寸图(单位: mm)
  Dimensions diagram of the Outshape and mount

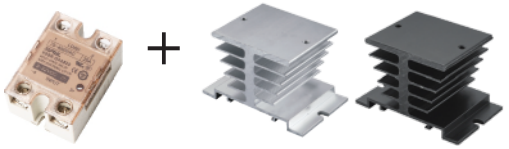


□ 指示灯与工作情况判别 Indicator Light & Working Condition Identification

指示灯显示 Indicator light display	继电器工作情况 Relay operation
红色(正转) Red (forward)	A1–A2，C1–C2导通 A1–A2，C1–C2 Breakover
蓝色(反转) Blue (reverse)	A1–C2，C1–A2导通 A1–C2，C1–A2 Breakover
无 指 示 Nonindication	控制端正转和反转均无信号输入 There is no signal input for both forward and reverse control
红蓝双色 Red and blue	控制端正转和反转均有信号输入，继电器进入保护状态，输出端全部截止 Both forward and reverse control have signal inputs, the relay enters a protective state, and all output terminals are cut off
电动机堵转电流保护 Motor lock current protection	电动机反转会延迟，延迟时灯会闪 Motor reverse transfer delay, delay when the light will flash
电源自检 Power supply self–test	通电后红灯和蓝灯闪烁5s，代表电源自检正常 After the power is powered on, the red and blue lights blink for 5s, indicating that the power self–check is normal

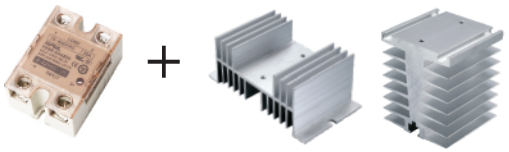
· 单相固态接触器
Single–phase Solid State Contactor

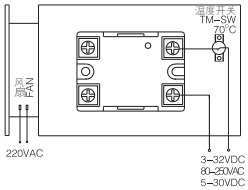


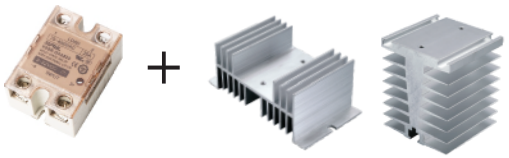


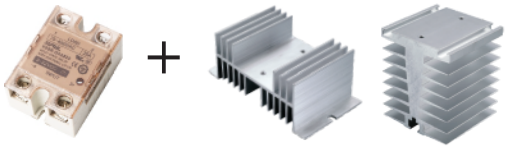


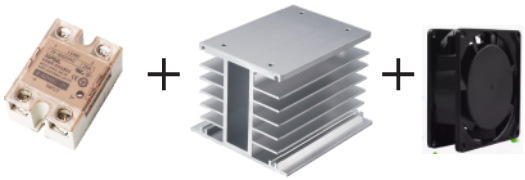












10A

固态继电器	SSR	XSSR–DA4810 XSSR–AA4810 XSSR–DD2510
散热器	Heat Sink	XI–50
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

10A~25A

固态继电器	SSR	XSSR–DA4810~25 XSSR–AA4810~25 XSSR–DD2510~25
散热器	Heat Sink	XW–60/XT–66
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

25A~40A

固态继电器	SSR	XSSR–DA4825~40 XSSR–AA4825~40 XSSR–DD2525~40
散热器	Heat Sink	XW–70/XT–66
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

40A~60A

固态继电器	SSR	XSSR–DA4840~60 XSSR–AA4840~60 XSSR–DD2540~60
散热器	Heat Sink	XW–110/XT–110
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

80A~100A

固态继电器	SSR	XSSR–DA4880~100 XSSR–AA4880~100 XSSR–DD2580~100
散热器	Heat Sink	XW–150/XT–132
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

100A~150A

固态继电器	SSR	XSSR–DA48100~150 XSSR–AA48100~150 XSSR–DD25100~120
散热器	Heat Sink	XH–150 (风机FAN:8025)
控制电压	Control voltage	3–32VDC/80–250VAC/5–30VDC
负载电压	Load voltage	75–480VAC/12–250VDC

注：XT / XH型散热器需要导轨卡扣时请说明
Please specify when the XT / XH type radiator requires a rail buckle



·可搭配固态继电器
Can be paired with solid-state relays


W1


W2


W6


W12


W15

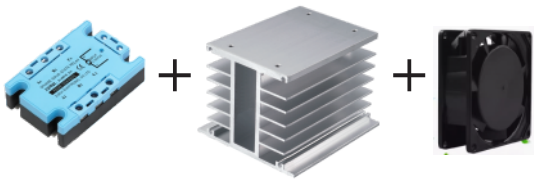

M1 M2


M8

· 三相固态接触器
Three–phase Solid State Contactor

W3



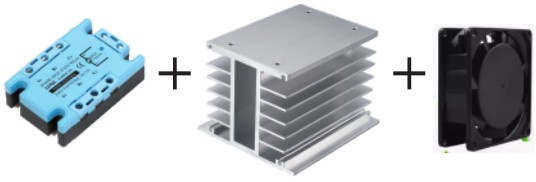


10A~25A

固态继电器	SSR	XSSR–3DA4810~25 XSSR–3AA4810~25
散热器	Heat Sink	XH–110
风机	Fan	80x80x25
风机电压	Fan voltage	220VAC
控制电压	Control voltage	3–32VDC/80–250VAC
负载电压	Load voltage	24–480VAC

W10



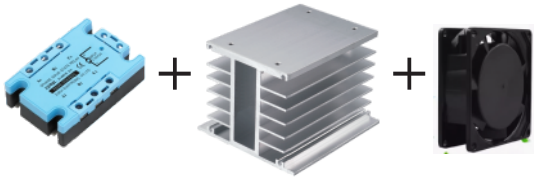


25A~60A

固态继电器	SSR	XSSR–3DA4825~60 XSSR–3AA4825~60
散热器	Heat Sink	XH–132
风机	Fan	80x80x25
风机电压	Fan voltage	220VAC
控制电压	Control voltage	3–32VDC/80–250VAC
负载电压	Load voltage	24–480VAC

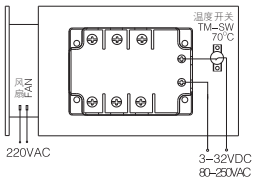
W4

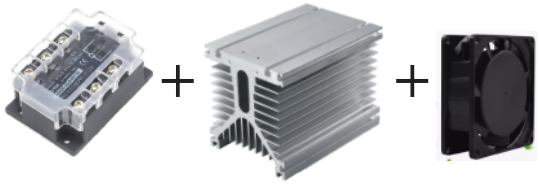




60A~100A

固态继电器	SSR	XSSR–3DA4860~100 XSSR–3AA4860~100
散热器	Heat Sink	XH–150
风机	Fan	80x80x25
风机电压	Fan voltage	220VAC
控制电压	Control voltage	3–32VDC/80–250VAC
负载电压	Load voltage	24–480VAC



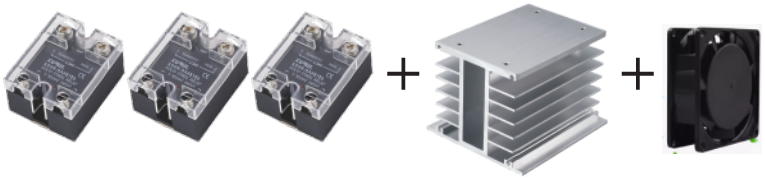


100A~200A

固态继电器	SSR	XSSR–3DA48100~200 XSSR–3AA48100~200
散热器	Heat Sink	XY–130
风机	Fan	120x120x38
风机电压	Fan voltage	220VAC
控制电压	Control voltage	3–32VDC/80–250VAC
负载电压	Load voltage	24–480VAC

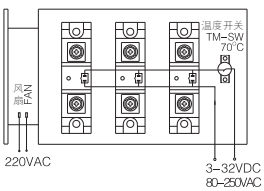
·组合三相固态接触器
Combination Three-phase Solid State Contactor

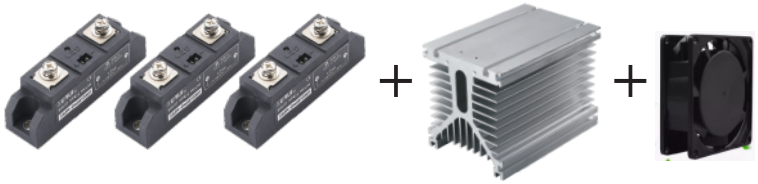




10A~200A

固态继电器	SSR	XSSR–DA x3 XSSR–AA x3
散热器	Heat Sink	XH–150~220
风机	Fan	80x80x25





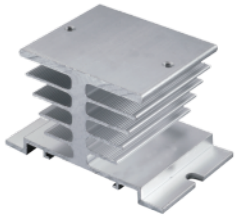
100A~500A

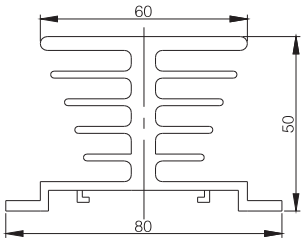
固态继电器	SSR	XSSR–DA x3
散热器	Heat Sink	XY–160~220
风机	Fan	120x120x38

注：如需要温控开关及接线板请说明
If temperature control switches and wiring boards are required, please specify



·【I型】单相固态继电器散热器(适用于5–20A)
XI Single–phase SSR heat sink(For 5–20A)

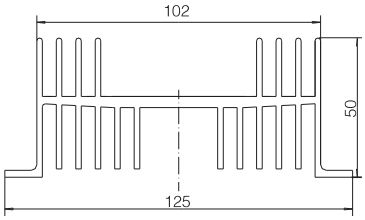




型号Model	长×宽×高(L×W×H)
XI–50	50×60×50mm

·【W型】单相固态继电器散热器(适用于10–100A)
XW Single–phase SSR heat sink(For 10–100A)

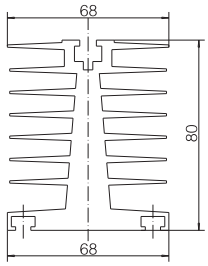




型号Model	长×宽×高(L×W×H)
XW–60	60×125×50mm
XW–70	70×125×50mm
XW–110	110×125×50mm
XW–150	150×125×50mm

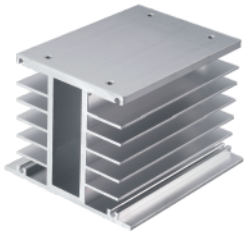
·【T型】单相固态继电器散热器（适用于10–100A）
XT Single–phase SSR heat sink(For 10–100A)

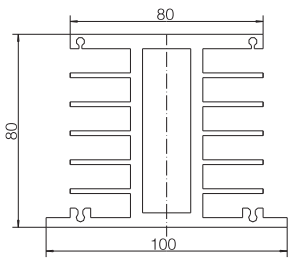




型号Model	长×宽×高(L×W×H)
XT–66	66×68×80mm
XT–110	110×68×80mm
XT–132	132×68×80mm

·【H型】三相固态继电器散热器(适用于10–100A)
XH Three–phase SSR heat sink(For 10–100A)

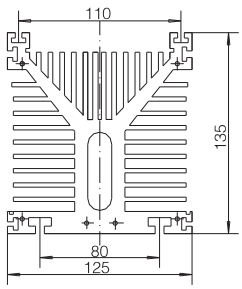




型号Model	长×宽×高(L×W×H)
XH–110	110×80×80mm
XH–132	132×80×80mm
XH–150	150×80×80mm

·【Y型】大功率固态继电器散热器(适用于100–600A)
XY Hi–power SSR heat sink(For 100–600A)





型号Model	长×宽×高(L×W×H)
XY–130	130×125×135mm
XY–160	160×125×135mm
XY–180	180×125×135mm
XY–200	200×125×135mm
XY–220	220×125×135mm

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