



储能行业 手册

固态继电器行业定制专家

销售专线:400-000-7337 0510-85166001

网址:www.chinassr.com/ ssr.com.cn/ goldssr.com

邮箱:sales@goldssr.com Copyright Symbol:2024.6 江苏固特电气控制技术有限公司

SDP直流卧式固态继电器

SDP DC Horizontal Solid State Relay



产品具备欧盟CE认证

- 具有寿命长, 可靠性高
- 开关速度快、抗干扰能力强
- 电磁干扰小、无声、无火花
- 特别适用于腐蚀、潮湿、防尘、要求防爆等恶劣环境及频繁开关的场合



产品命名规则

S	D	P	**	**	D
SSR (固态继电器)	D:直流输出	P:方型	负载电压 08:12-80VDC 11:12-110VDC ... 120:12-1200VDC	负载电流 10:10A ... 120:120A	控制信号 D:3.5-32VDC

产品选型 Product Selection

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP0810D	12-80VDC	10A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0820D	12-80VDC	20A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0830D	12-80VDC	30A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0840D	12-80VDC	40A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0850D	12-80VDC	50A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0860D	12-80VDC	60A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP0880D	12-80VDC	80A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP08100D	12-80VDC	100A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP08120D	12-80VDC	120A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP1110D	12-110VDC	10A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP1120D	12-110VDC	20A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP2010D	12-200VDC	10A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2020D	12-200VDC	20A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2030D	12-200VDC	30A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2040D	12-200VDC	40A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2050D	12-200VDC	50A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2060D	12-200VDC	60A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP2080D	12-200VDC	80A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP20100D	12-200VDC	100A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP20120D	12-200VDC	120A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP3010D	12-300VDC	10A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3020D	12-300VDC	20A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3030D	12-300VDC	30A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3040D	12-300VDC	40A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3050D	12-300VDC	50A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3060D	12-300VDC	60A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP3080D	12-300VDC	80A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP30100D	12-300VDC	100A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP30120D	12-300VDC	120A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品选型Product Selection

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP4010D	12-400VDC	10A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4020D	12-400VDC	20A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4030D	12-400VDC	30A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4040D	12-400VDC	40A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4050D	12-400VDC	50A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4060D	12-400VDC	60A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP4080D	12-400VDC	80A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP40100D	12-400VDC	100A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP40120D	12-400VDC	120A	MOS管	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP6010D	12-600VDC	10A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6020D	12-600VDC	20A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6030D	12-600VDC	30A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6040D	12-600VDC	40A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6050D	12-600VDC	50A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6060D	12-600VDC	60A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP6080D	12-600VDC	80A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP60100D	12-600VDC	100A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP60120D	12-600VDC	120A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

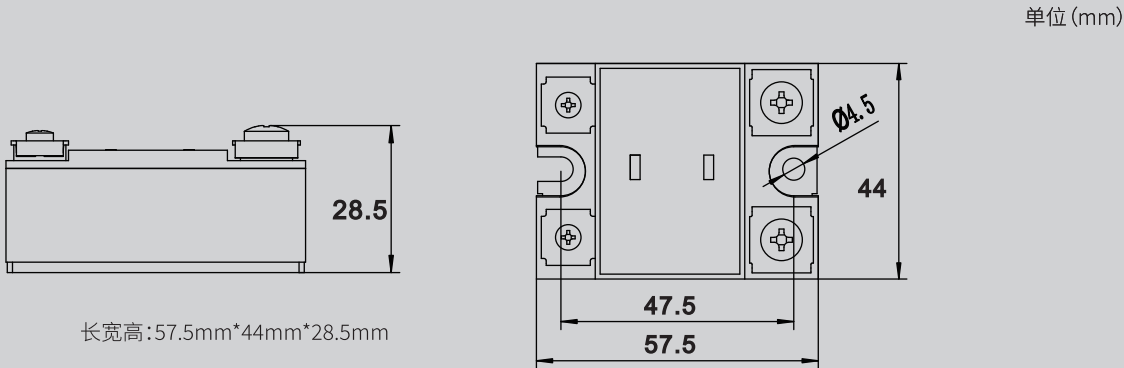
产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP10010D	12-1000VDC	10A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP10020D	12-1000VDC	20A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP10030D	12-1000VDC	30A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP10040D	12-1000VDC	40A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP10050D	12-1000VDC	50A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP10060D	12-1000VDC	60A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

产品型号	负载电压	负载电流	输出功率器件	控制信号	隔离电压	绝缘电压	开关时间	动作状态指示
SDP12010D	12-1200VDC	10A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP12020D	12-1200VDC	20A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP12030D	12-1200VDC	30A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP12040D	12-1200VDC	40A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP12050D	12-1200VDC	50A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示
SDP12060D	12-1200VDC	60A	IGBT	3.5-32VDC	≥2000VAC	≥2000VAC	2ms	输入LED灯指示

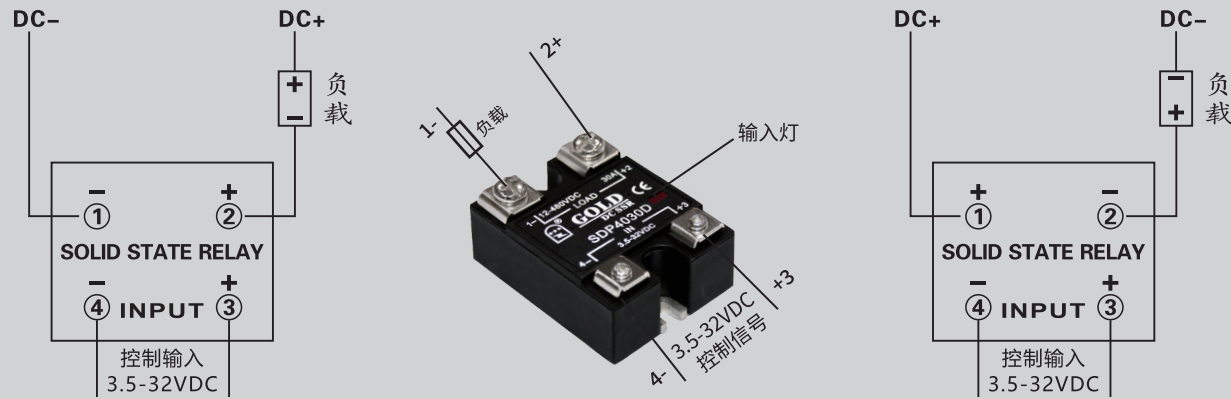
产品参数Product parameters

输入参数				
控制电压范围	3.5-32VDC			
确保关断电压	1VDC			
确保导通电压	3.5VDC			
控制电流范围	10-20mA			
输出参数				
负载电压范围	SDP08系列	SDP11系列	SDP20系列	SDP30系列
	12-80VDC	12-110VDC	12-200VDC	12-300VDC
	SDP40系列	SDP80系列	SDP100系列	SDP120系列
	12-480VDC	12-800VDC	12-1000VDC	12-1200VDC
最小导通电流	2mA			
最大通态压降	MOS管:≤1VDC IGBT:≤1.5VDC			
最大断态电流	0.5mA			
最大导通时间	2ms			
最大关断时间	2ms			
工作频率	45-65HZ			
其他参数				
最小隔离电压	输入与输出之间≥2000VAC			
最小绝缘电压	输入与输出底板≥2000VAC			
绝缘电阻	1000MΩ (500VDC)			
工作环境温度	-40~80℃			

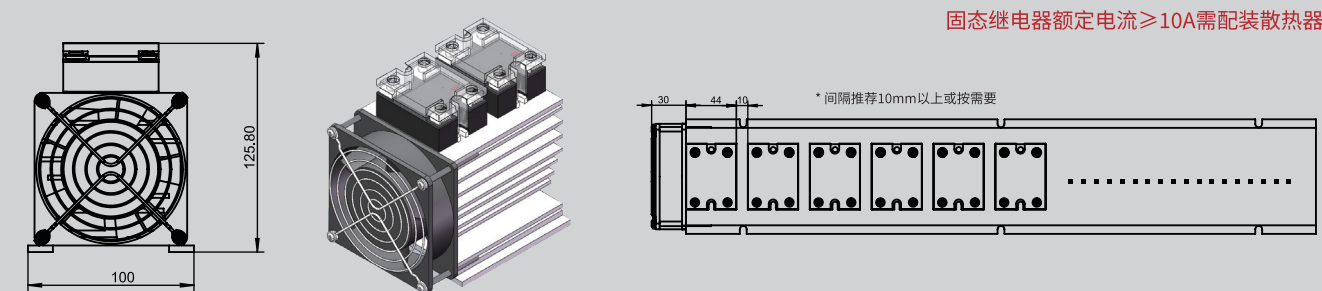
产品尺寸图Product dimension diagram



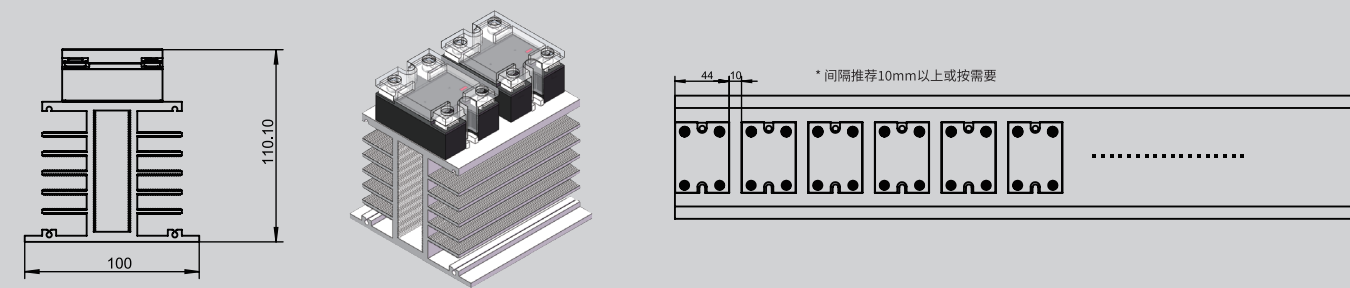
产品接线图 Product wiring diagram



推荐散热器 Recommended radiator

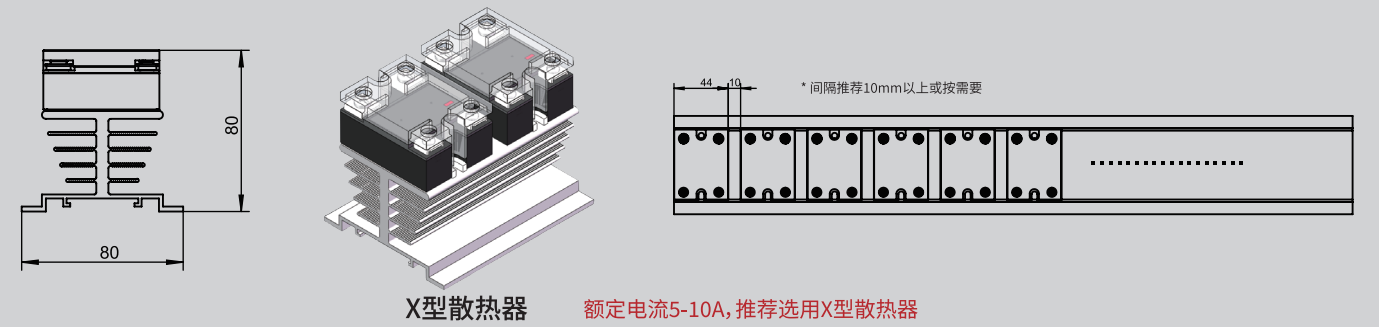


T型散热器 额定电流 $\geq 30A$, 推荐选用T型散热器

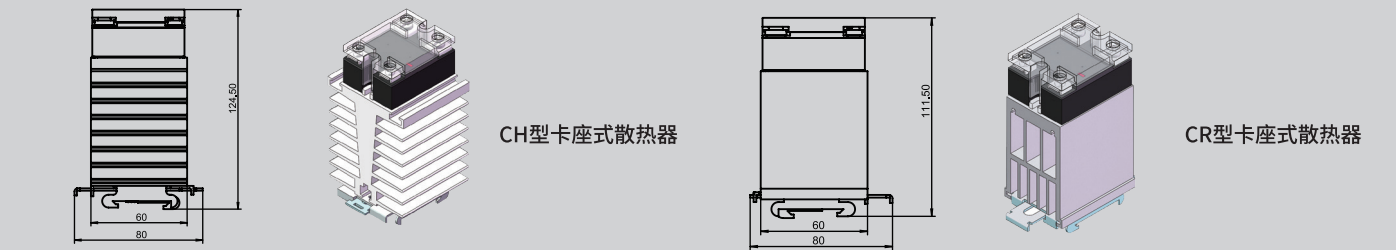


G型散热器 额定电流20-30A, 推荐选用G型散热器

推荐散热器 Recommended radiator



备注: 风扇可选装, 另提供其他规格散热器组装可与我司业务联系沟通。



使用注意事项 Precautions for use

- 1、我司已就产品品质和可靠性做了很大努力,若应用在固态继电器内部的半导体功率器件选型或使用不当还是会导致不可恢复的损坏。由于电网电压波动(通常 $\pm 10\%$)以及感抗、容抗的不同,在选型时需考虑一定的安全系数。例如:电加热长期工作电流不能超过60%的SSR电流额定标称值,电机工作电流不应超过1/7 SSR的电流额定标称值。
- 2、在长期工作电流 $>5A$ 时必须加装与之配套的散热器,工作中散热器底板温度不得超过 $80^{\circ}C$ 。若环境温度过高应采取风冷以加速空气流动获得更好的散热效果。
- 3、为确保安装过程中固态继电器与散热器表面紧密接触而达到更理想的散热效果,可根据不同电流等级使用专用导热膜或导热硅脂,在安装时请将导热膜平行置于固态继电器底板与散热器接触面之间并紧固安装固定螺丝,配备导热硅脂的在安装时请在固态继电器底板均匀涂抹适量导热硅脂,并紧固安装固定螺丝(M4螺丝和弹簧垫片)。
- 4、为防止使用中负载短路或者电流、电压超负荷工作造成的固态继电器击穿损坏,强烈推荐安装使用与之匹配的快速熔断器。
- 对感性类负载还需要在固态输出端加装压敏电阻、RC吸收回路。
- 5、固态继电器工作时必须保证有足够而又不超出标称触发电压和电流值,例如:控制端为“3.5-32VDC”,即最小的输入电压不得小于3.5VDC,最大不得超过32VDC,因此在串联或并联使用中需特别注意满足固态继电器的触发要求。
- 6、固态继电器应存放于通风、干燥、无腐蚀性气体的环境中,避免潮湿、雨淋、跌落及剧烈摔碰。

SDM直流固态继电器

SDM DC Solid State Relay



产品具备欧盟CE认证

- 具有寿命长, 可靠性高
- 开关速度快、抗干扰能力强
- 电磁干扰小、无声、无火花
- 特别适用于腐蚀、潮湿、防尘、要求防爆等恶劣环境及频繁开关的场合



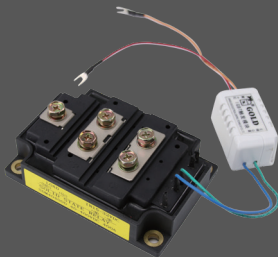
1

100A-150A



2

200A以上



3

带IGBT触发模块

产品命名规则

S

SSR (固态继电器)

D

D:直流输出

M

M:条型

**

负载电压
40:12-400VDC
100:12-1000VDC

**

负载电流
100:100A
...
600:600A

D

控制信号
D:4-15VDC/
15-32VDC

产品选型

Product Selection

产品型号	负载电压	负载电流	输出功率器件	控制信号	绝缘隔离	开关时间	动作状态指示
SDM40100D	12-400VDC	100A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	输入LED灯指示
SDM40150D	12-400VDC	150A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	输入LED灯指示
SDM40200D	12-400VDC	200A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM40300D	12-400VDC	300A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM40400D	12-400VDC	400A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM40600D	12-1000VDC	600A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM100100D	12-1000VDC	100A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	输入LED灯指示
SDM100150D	12-1000VDC	150A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	输入LED灯指示
SDM100200D	12-1000VDC	200A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM100300D	12-1000VDC	300A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM100400D	12-1000VDC	400A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示
SDM100600D	12-1000VDC	600A	IGBT	4-15VDC or 15-32VDC	≥2000VAC	20ms	无LED灯指示

产品参数

Product parameters

输入参数		其它参数	
控制电压范围	4-15VDC or 15-32VDC	最小隔离电压	输入与输出之间≥2000VAC
确保导通电压	4VDC/15VDC	最小绝缘电压	输入输出与底板≥2000VAC
确保关断电压	2VDC/11VDC	绝缘电阻	1000MΩ(500VDC)
控制电流范围	4-30mA	工作环境温度	-40~80℃
输出参数			
负载电压范围	SDM40系列	SDM100系列	
	12-400VDC	12-1000VDC	
最小导通电流	2mA	最大导通时间	> 20ms
最大通态压降	1.75VDC	最大关断时间	> 20ms
最大断态电流	0.5mA	工作频率	45-65HZ

产品尺寸图 Product dimension diagram

单位 (mm)

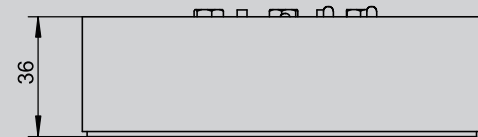
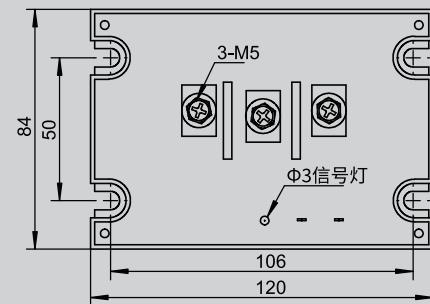


图1长宽高:120mm*84mm*36mm

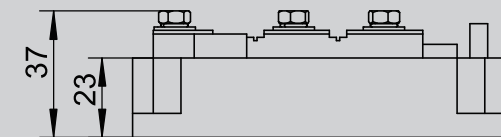
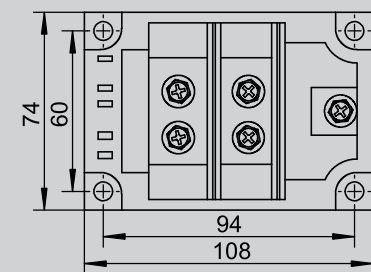
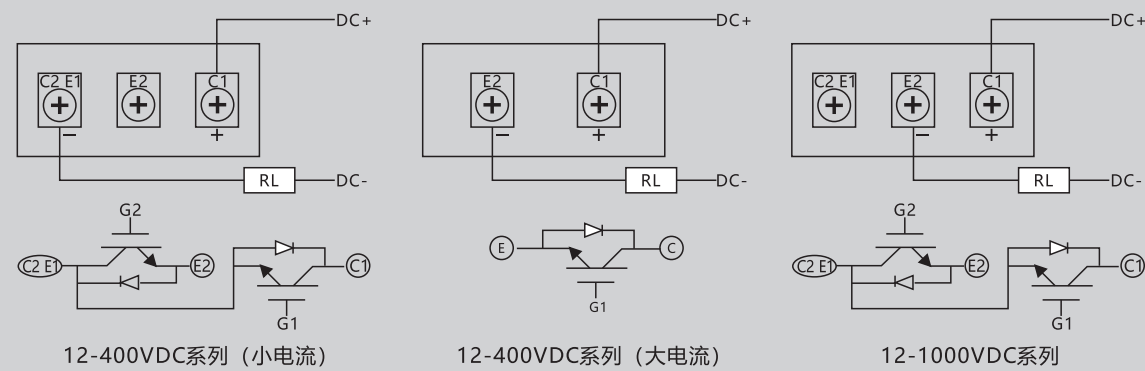


图2长宽高:108mm*74mm*37mm
200A以上尺寸来电咨询

产品接线图 Product wiring diagram



推荐散热器 Recommended radiator

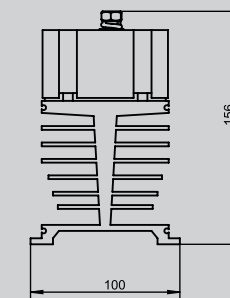
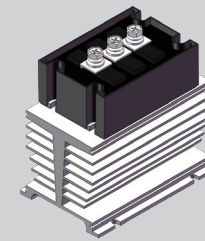


图1--T型散热器

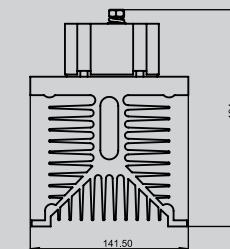
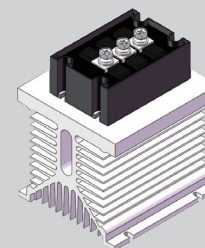
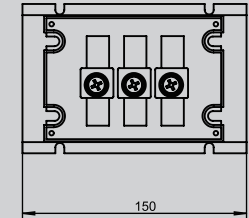


图1--W型散热器

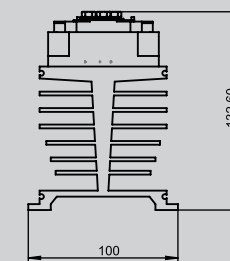
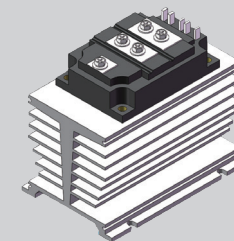
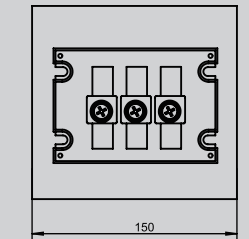


图2--T型散热器

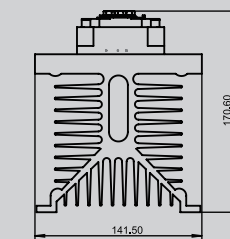
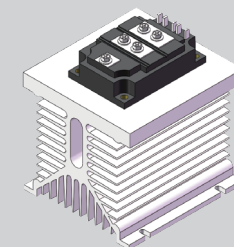
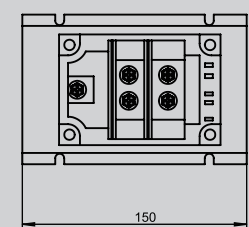
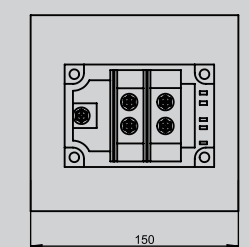


图2--W型散热器



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GOLDEN.S.E™
Supreme Electric

GOLDEN ELECTRICTECH

FROM USA American brand | American Technology | American Patent

GSP48XXDA/AA-DD-C

Horizontal AC Solid State Relay (Flip Version)

GOLDEN solid-state relay



Appearance patent



Exclusive
flip design



High temperature
flame-retardant material



Imported
high-performance chips



Running indicator
light display

Product purpose

Widely used in automation control fields such as electric furnace heating constant temperature systems, CNC machinery, plastic machinery, food machinery, packaging machinery, textile machinery, petrochemical equipment, entertainment facilities, etc., suitable for various resistive, inductive, and capacitive loads.

Product Advantages

VO grade flame retardant - safer and more reliable, stronger isolation - high-precision imported optocoupler, no sparking - no mechanical electric shock action, silent and noiseless - no noise interference during operation, built-in MOV clamp for high-frequency voltage - safe and worry free, first-line brand thyristor - reduces power consumption.

Product Naming Rules

G	S	P	**	**	A/D	A/D	-	C
GOLDEN	Solid State Relay	P: Square shape	Load voltage 24:40-240VAC 48:40-530VAC 66:40-660VAC	LOAD 05:5A ... 80:80A	Control signal D:4-32VDC A:90-280VAC	A:AC output D:DC output		C:Clamshell

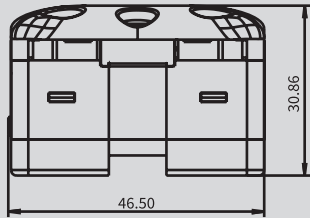
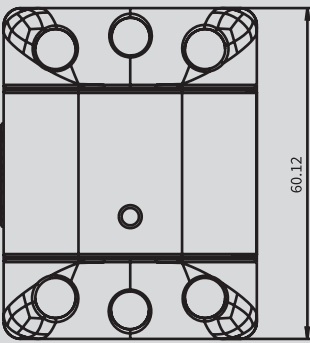
Product Selection Table

Product model	Load voltage	LOAD	Isolation Voltage	Insulation voltage	Control voltage	Action status indication
GSP4805DA-C	40-530VAC	05A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4810DA-C	40-530VAC	10A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4815DA-C	40-530VAC	15A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4820DA-C	40-530VAC	20A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4825DA-C	40-530VAC	25A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4840DA-C	40-530VAC	40A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4860DA-C	40-530VAC	60A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4880DA-C	40-530VAC	80A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication

Product parameters

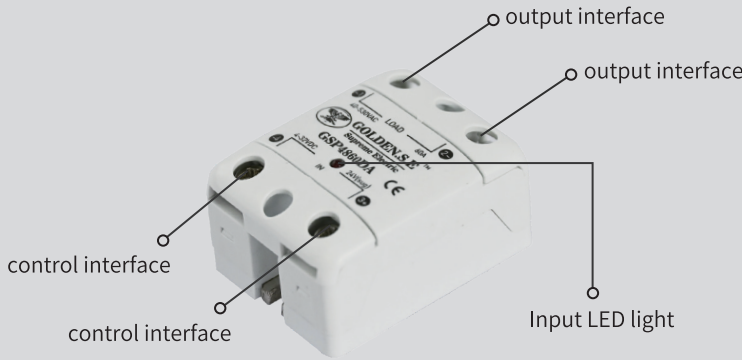
Product wiring diagram	
Control voltage: 4-32VDC	Turn-off voltage: 1VDC
Turn-on voltage: 4VDC	Control Current: 6-25mA (built-in constant current circuit)
Minimum conduction current: 0.1A	Maximum on state pressure drop: 1.5VAC
Maximum off state current: 10mA	Critical rise rate of off state voltage: 500V/us
Maximum conduction time: Random type 10ms Zero crossing type 1/2周期+1ms AC control 40ms	
Maximum shutdown time: DC control 10ms AC control 40ms	
Operating Frequency: 45-65HZ	Minimum isolation voltage: Between input and output ≥ 2500VAC
Minimum insulation voltage: Input and output on the motherboard ≥ 2500VAC	
Insulation resistance: 1000MΩ(500VDC)	Ambient Temperature: -40~80℃

Product dimension diagram

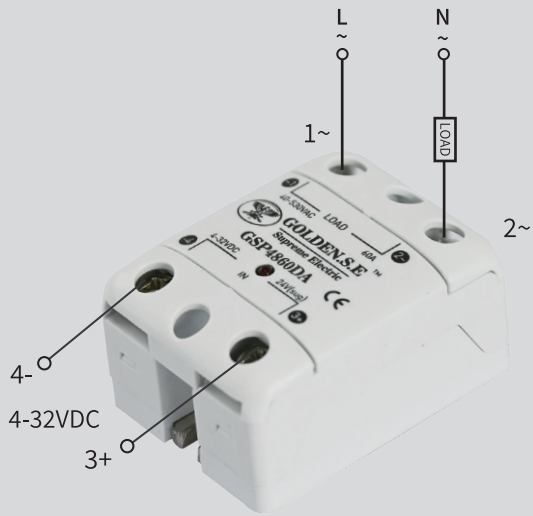


60.12mm*46.5mm*30.95mm

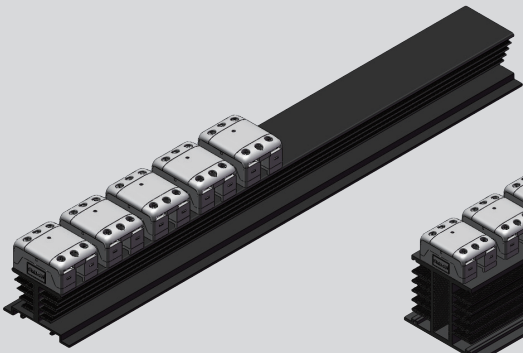
Dimensions (unit: mm)



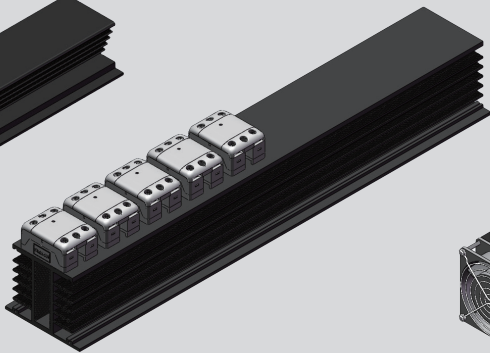
Product wiring diagram



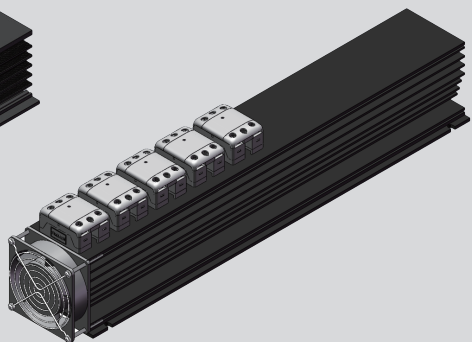
Recommended radiator model



X-shaped radiator
Rated current 5-10A
it is recommended to use X-type radiator



G-type radiator
Rated current 20-30A
it is recommended to use G-type radiator



T-shaped radiator
Rated current ≥ 30A
it is recommended to use a T-shaped radiator

Note: Fans can be optionally installed, and other specifications of heat sinks can be assembled by contacting our business for communication.

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GSP48XXDA/AA/DD

Anti slip solid-state relay

GOLDEN solid-state relay



CE



Appearance patent



Configure anti misoperation transparent cover



High temperature flame-retardant material



Imported high-performance chips



Running indicator light display

Product purpose

Widely used in automation control fields such as electric furnace heating constant temperature systems, CNC machinery, plastic machinery, food machinery, packaging machinery, textile machinery, petrochemical equipment, entertainment facilities, etc., suitable for various resistive, inductive, and capacitive loads.

Product Advantages

VO grade flame retardant - safer and more reliable, stronger isolation - high-precision imported optocoupler, no sparking - no mechanical electric shock action, silent and noiseless - no noise interference during operation, built-in MOV clamp for high-frequency voltage - safe and worry free, first-line brand thyristor - reduces power consumption.

Product Naming Rules

G	S	P	**	**	A/D	A/D
GOLDEN	Solid State Relay	P: Square shape	Load voltage 24:40-240VAC 48:40-530VAC 66:40-660VAC	LOAD 05:5A ... 80:80A	Control signal D:4-32VDC A:90-280VAC	A:AC output D:DC output

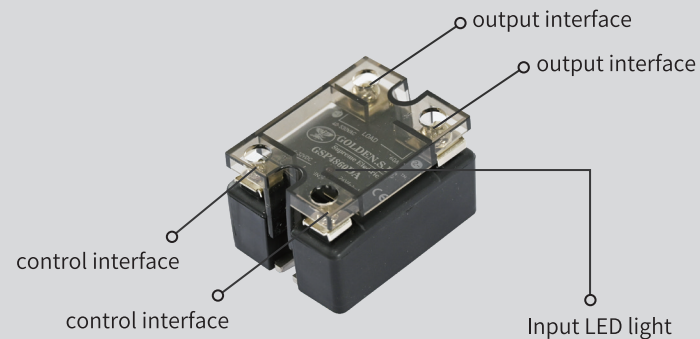
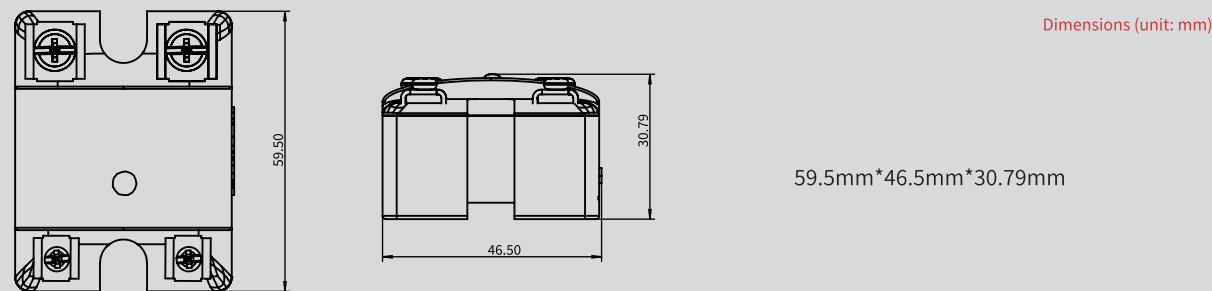
Product Selection Table

Product model	Load voltage	LOAD	Isolation Voltage	Insulation voltage	Control voltage	Action status indication
GSP4805DA	40-530VAC	05A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4810DA	40-530VAC	10A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4815DA	40-530VAC	15A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4820DA	40-530VAC	20A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4825DA	40-530VAC	25A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4840DA	40-530VAC	40A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4860DA	40-530VAC	60A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4880DA	40-530VAC	80A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication

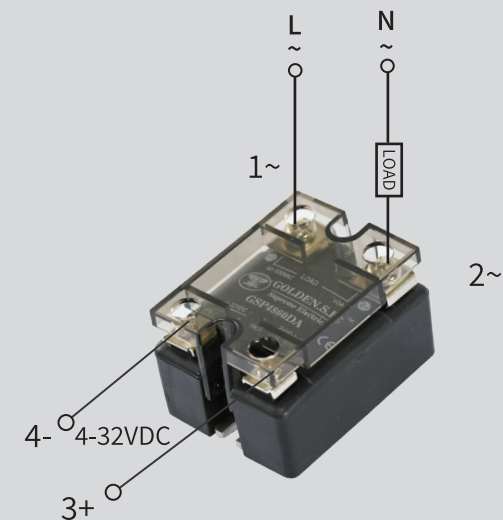
Product parameters

Product wiring diagram	
Control voltage: 4-32VDC	Turn-off voltage: 1VDC
Turn-on voltage: 4VDC	Control Current: 6-25mA (built-in constant current circuit)
Minimum conduction current: 0.1A	Maximum on state pressure drop: 1.5VAC
Maximum off state current: 10mA	Critical rise rate of off state voltage: 500V/us
Maximum conduction time: Random type 10ms Zero crossing type 1/2周期+1ms AC control 40ms	
Maximum shutdown time: DC control 10ms AC control 40ms	
Operating Frequency: 45-65HZ	Minimum isolation voltage: Between input and output ≥ 2500VAC
Minimum insulation voltage: Input and output on the motherboard ≥ 2500VAC	
Insulation resistance: 1000MΩ(500VDC)	Ambient Temperature: -40~80℃

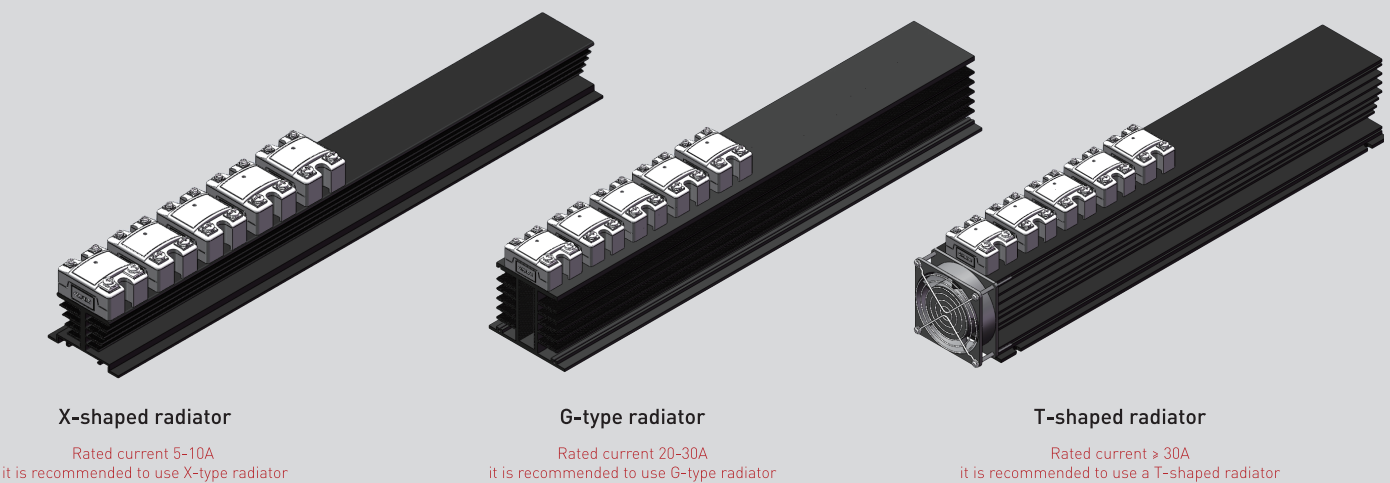
Product dimension diagram



Product wiring diagram



Recommended radiator model



Note: Fans can be optionally installed, and other specifications of heat sinks can be assembled by contacting our business for communication.

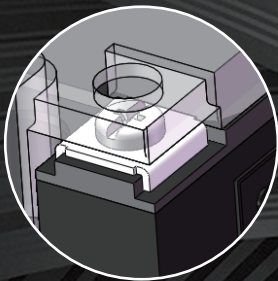
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GSP48XXDA/AA/ DD

Anti slip solid-state relay

GOLDEN solid-state relay



Anti slip design



Appearance patent



Configure anti misoperation transparent cover



High temperature flame-retardant material



Imported high-performance chips



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Product Naming Rules

G

GOLDEN

S

Solid State Relay

P

P: Square shape

Load voltage
24:40-240VAC
48:40-530VAC
66:40-660VAC

LOAD
05:5A
...
80:80A

A/D

Control signal
D:4-32VDC
A:90-280VAC

A/D

A:AC output
D:DC output

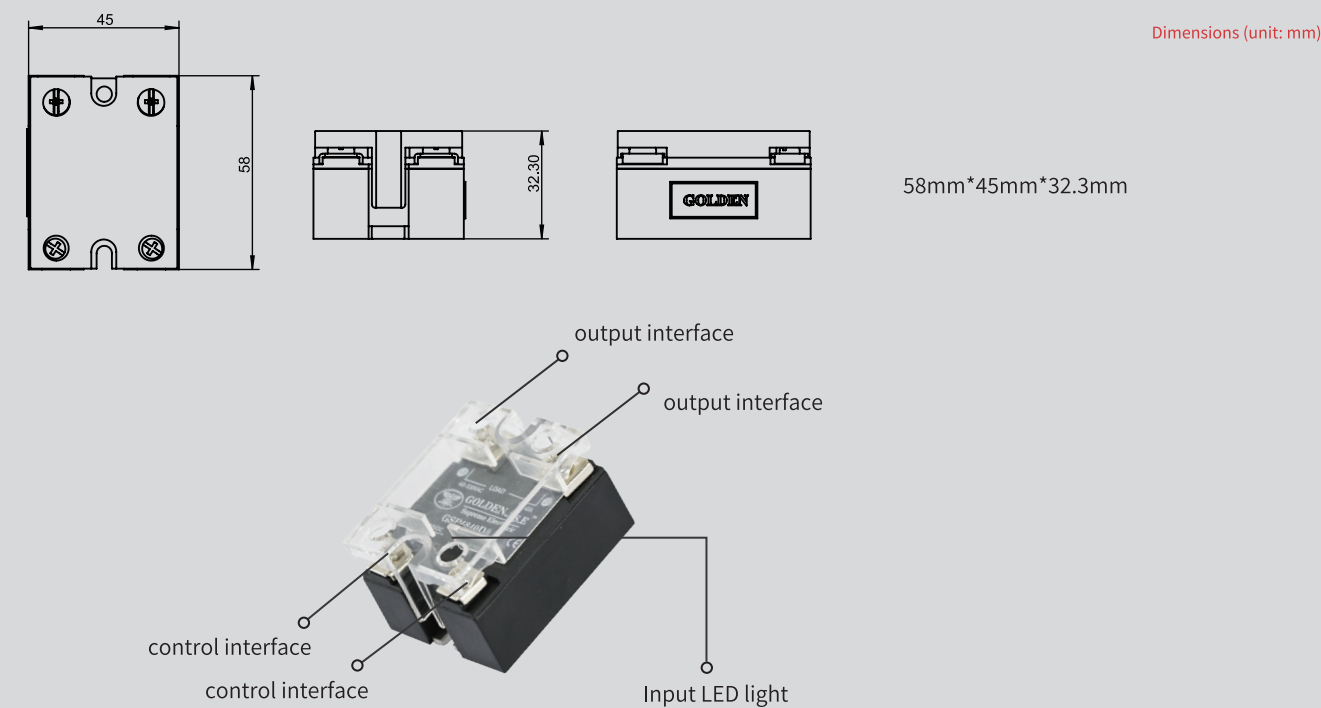
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Product model	Load voltage	LOAD	Isolation Voltage	Insulation voltage	Control voltage	Action status indication
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GSP4810DA	40-530VAC	10A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4815DA	40-530VAC	15A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4820DA	40-530VAC	20A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4825DA	40-530VAC	25A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4840DA	40-530VAC	40A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4860DA	40-530VAC	60A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication
GSP4880DA	40-530VAC	80A	≥2500VAC	≥2500VAC	4-32VDC	Input LED indication

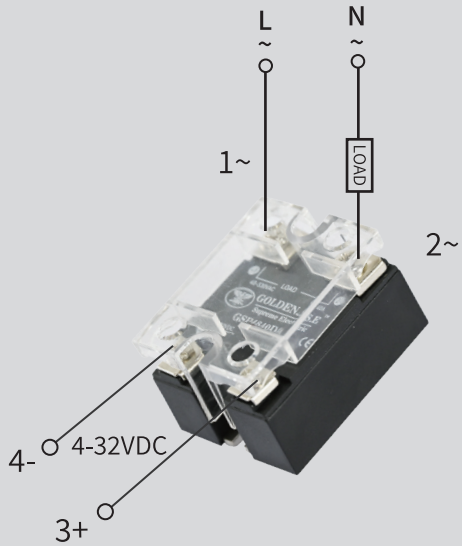
Product parameters

Product wiring diagram	
Control voltage: 4-32VDC	Turn-off voltage: 1VDC
Turn-on voltage: 4VDC	Control Current: 6-25mA (built-in constant current circuit)
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Insulation resistance: 1000MΩ(500VDC)	Ambient Temperature: -40~80℃

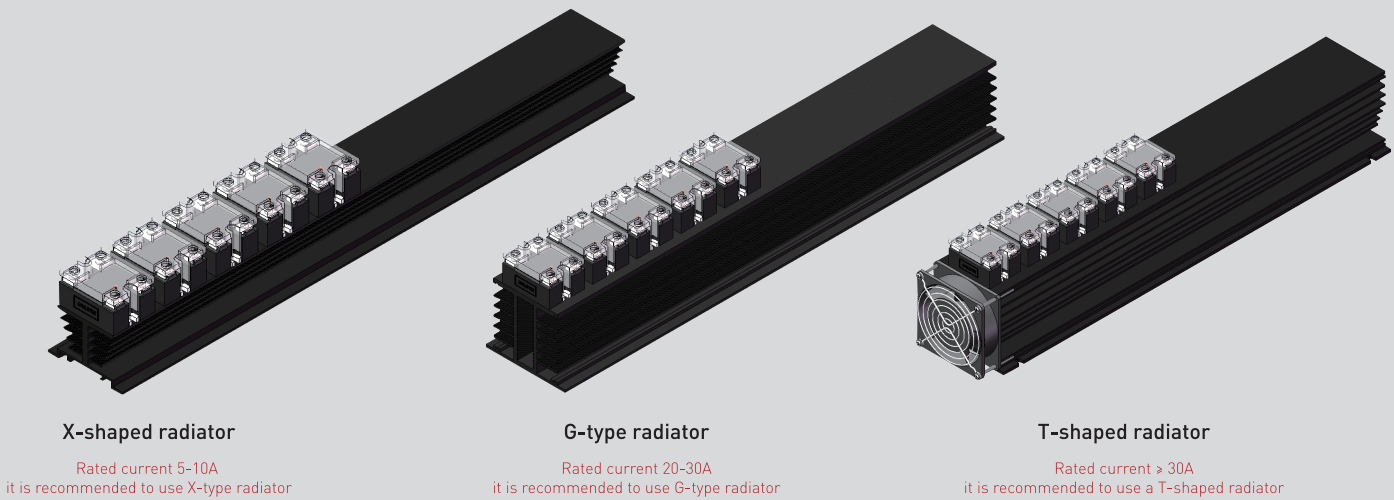
Product dimension diagram



Product wiring diagram



Recommended radiator model



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