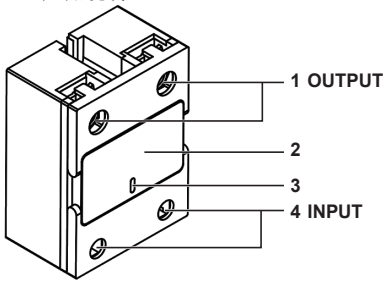


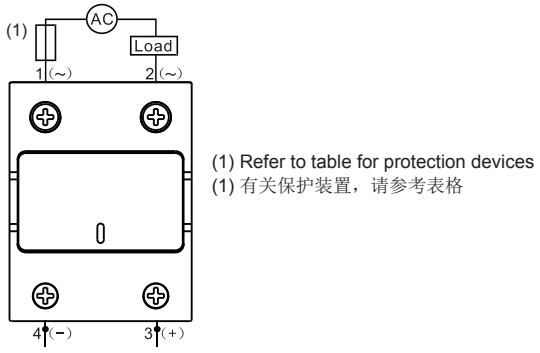
Solid state relays / 固态继电器

Product Descriptions / 产品说明

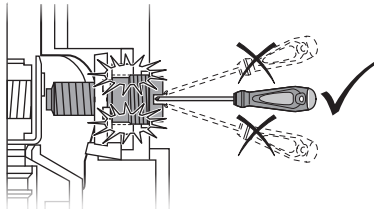


- 1 Load output connection screw terminals / 负载输出连接螺丝端子
- 2 Indication area for product label or markings / 产品标签或标记的指示区
- 3 Control input voltage LED indicator / 控制输入电压 LED 指示
- 4 Control input connection screw terminals / 控制输入连接螺丝端子

Wiring / 接线

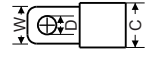
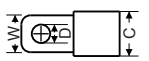


(1) Refer to table for protection devices
(1) 有关保护装置, 请参考表格



Perpendicular screw direction will prevent screw thread from damaged during screwing or unscrewing process.
采用垂直方向旋拧螺钉, 可避免在拧紧或拧开过程中损坏螺纹。

Ph2a	OUTPUT 输出	M5			N•m	2.0...2.2
					lb-in	17.7...21.2
Ph2a	INPUT 输入	M4			N•m	1.5...1.7
					lb-in	13.3...15.0

Rated Current 额定电流	SSP•E reference 继电器型号	Output 输出	Input 输入	Accessory for Din-Rail installation Din导轨安装附件
10A	SSP1A110BDE	Solid (stranded and Solid) 刚性 (实芯和绞合) 1x2.5-10.0 mm ² 2x2.5-10.0 mm ² 1x14-8AWG 2x14-8AWG	1x0.5-2.5 mm ² 2x0.5-2.5 mm ² 1x20-14AWG 2x20-14AWG	ABL2K02
25A	SSP1A125BDE	Flexible with Terminal sleeve 柔性, 带终端套管 1x2.5-6.0 mm ² 2x2.5-6.0 mm ² 1x14-10AWG 2x14-10AWG		
40A	SSP1A140BDE	Flexible without Terminal sleeve 柔性, 不带终端套管 1x2.5-10.0 mm ² 2x2.5-10 mm ² 1x14-8AWG 2x14-8AWG		
50A	SSP1A150BDE	Terminal Ring 线鼻子  W:11.7 D:Ø6.5 C:1x16-35.0 mm ² 1x6-2AWG		
75A	SSP1A175BDE	Terminal Ring 线鼻子  W:11.7 D:Ø6.5 C:1x16-35.0 mm ² 1x6-2AWG		
90A	SSP1A190BDE			
125A	SSP1A1125BDE			

⚠️ DANGER / 危险

<p>HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH</p> <ul style="list-style-type: none"> • Disconnect all power before servicing equipment. • Confirm that the product power supply voltage and its tolerances are compatible with those of the network. • Connect protective earth (PE) to backplate before turning on power. • Heatsink fins should always be positioned in vertical orientation in order to ensure proper heat ventilation. • Install Fuse or Circuit Breaker before turning on power. <p>Failure to follow these instructions will result in death or serious injury.</p>	<p>存在电击、爆炸或电弧危险</p> <ul style="list-style-type: none"> • 维修设备前, 请断开所有电源连接。 • 确认产品电源电压及其公差兼容于网络的这些参数。 • 固态继电器金属背板需要接地。 • 散热器应始终垂直放置, 以确保正确散热。 • 接通电源之前安装熔断器或断路器。 <p>若不遵守这些说明, 将会导致严重的人身伤害甚至死亡。</p>
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ⓘ Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

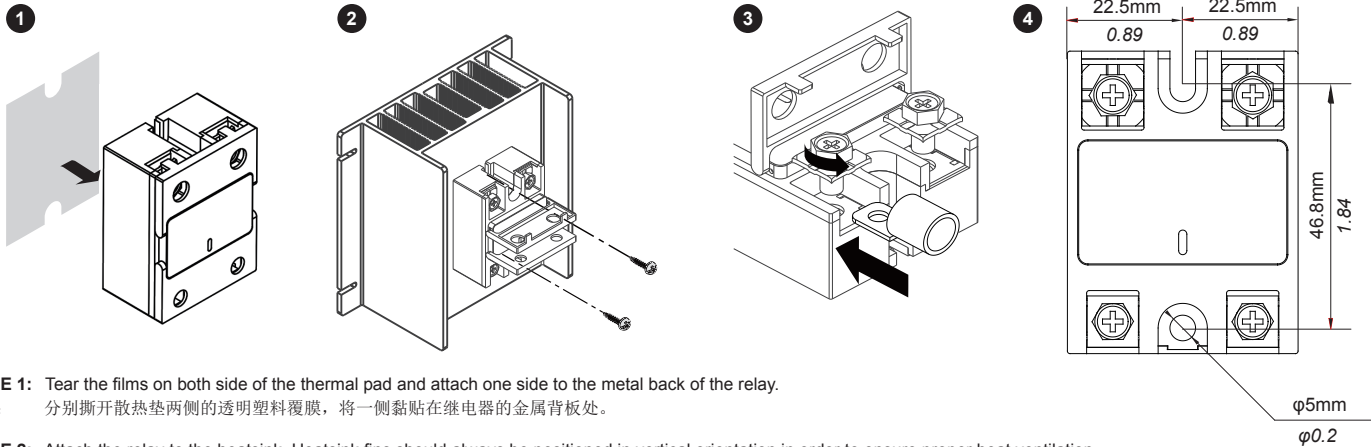
Ⓜ 电气设备的安装、操作、维修和维护工作仅限于合格人员执行。Schneider Electric 不承担由于使用本资料所引起的任何后果。专业人员是指掌握与电气设备的制造和操作及其安装相关的技能和知识的人员, 他们经过安全培训能够发现和避免相关的危险。

UK Representative
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United Kingdom

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Mounting / 安装

Apply thermal pad or thermal paste (0.10-0.20 mm layer thickness) / 使用导热片或涂抹一层散热膏(0.10-0.20 mm 厚)



NOTE 1: Tear the films on both side of the thermal pad and attach one side to the metal back of the relay.
注 1: 分别撕开散热垫两侧的透明塑料覆膜, 将一侧黏贴在继电器的金属背板处。

NOTE 2: Attach the relay to the heatsink. Heatsink fins should always be positioned in vertical orientation in order to ensure proper heat ventilation.
注 2: 将继电器安装到散热器上。散热器应总是垂直定向, 确保充分通风散热。

The product may be hot, please allow time for product to cool before touching.
 产品可能发热, 请等到产品冷却后再触碰。请确保散热垫两侧的覆膜均撕开后再使用。

NOTE 3: Maximum screw torque follow the spec using less than 500 RPM electric / pneumatic screwdriver.
注 3: 使用小于500 RPM电动/气动螺丝刀拧紧螺钉, 最大扭矩应符合规格的要求。

Fully un-tightened the screw for lug installation.
 完全拧开螺钉, 以便安装接线鼻。

NOTE 4: The installation hole spacing size of the relay is 46.8-49mm, and the matching radiator hole spacing is 47.5mm.
注 4: 继电器的安装孔距尺寸范围为46.8-49mm, 配套散热器孔距为47.5mm。

* 如需导轨安装, 可将附件: ABL2K02安装在散热器底部, 实现35mm导轨安装要求。

⚠ WARNING / 警告

HOT SURFACES

- Ensure that any contact with hot surfaces is avoided.
- Do not allow flammable or heat-sensitive parts in the immediate vicinity of hot surfaces.
- Verify that the product has sufficiently cooled down before handling it.

Failure to follow these instructions can result in death or serious injury.

热表面

- 确保避免接触热表面。
- 热表面不允许有易燃或热敏部件。
- 确认产品在手动前已充分冷却。

未按说明操作可能导致死亡或严重伤害。

Reference 型号	Control Input Voltage Range 控制输入电压	Load Output Voltage Range 负载输出电压	Maximum Load Output Current Range 负载输出电流	Contact Configuration Switching Type 触点配置开关类型	Switching Type 开关类型	Heat Sink 散热器	Maximum melting current value 最大熔断电流值I _{ft}
SSP1A110BDE	4~32 Vdc	20-505 Vac	10 A	1 NO	zero-cross switching 零电压	SSP1HP08	270 A ² .s
SSP1A125BDE	4~32 Vdc	20-505 Vac	25 A			SSP1HP08	900 A ² .s
SSP1A140BDE	4~32 Vdc	20-505 Vac	40 A			SSP1HP07	1400 A ² .s
SSP1A150BDE	4~32 Vdc	20-505 Vac	50 A			SSP1HP07	1600 A ² .s
SSP1A175BDE	4~32 Vdc	20-505 Vac	75 A			SSP1HP07	2500 A ² .s
SSP1A190BDE	4~32 Vdc	20-505 Vac	90 A			SSP1HP06	4600 A ² .s
SSP1A1125BDE	4~32 Vdc	20-505 Vac	125 A			SSP1HP06	8400A ² .s

NOTE / 注:

- Load 50 A and 75 A require the cabinet to be installed with a fan for ventilation, with a wind speed of 1m/s. / 负载50 A和75 A要求柜体安装风扇通风, 风速达到1 m/s
- Load 90 A and 125 A require the cabinet to be installed with a fan for ventilation, with a wind speed of 1.5m/s. / 负载90 A和125 A要求柜体安装风扇通风, 风速达到1.5 m/s
- Not derated for use below an altitude of 2000 meters. /海拔2000米及以下不降额使用
- Please use within the current specification. If the specified heat dissipation conditions cannot be met, please ensure the backplane temperature below 100°C.
 请勿超出电流规格使用。若不能满足规定的散热条件, 请确保背板温度不超过100°C