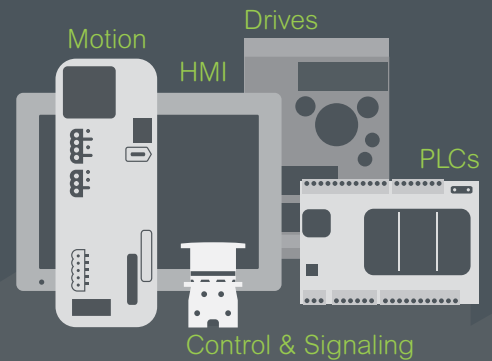




Introducing the **Easy Series**

Essential automation & control products

When just enough is just right!



Easy Harmony Solid State Relays

Panel mount solid state relays

Easy Harmony Solid State Relays



Life Is On

Schneider
Electric

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Make precise

IMPACT

with Harmony Solid State Relays.



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Easy Harmony - Solid State Relays

Choose long life and silent operation with Easy Harmony SSRs

Maintenance free

fully electronic,
unlimited life span

High switching frequency

allows precise and quick control

Silent and reliable switching

no moving parts,
noiseless switching

Sustainability in harsh environment

resistance to shock,
vibration, and
contamination

Easy Harmony panel mount (SSP) solid state relays provide complete, compact, and innovative solutions for various applications with interfacing control and load switching. They are the ideal solution for packaging, plastic molding, textile, and heating furnace applications.

Choose a complete panel mount solution with SSP relays

Complete solution

- > Single-phase panel mount solid state relays with a range of heat sinks and accessories to meet application needs from 10 A to 125 A
- > Easy product selection with simplified product nomenclature and direct heatsink selection available in product data sheets
- > Wide choice of heat sinks with thermal resistance ratings of 0.56 °C/W to 0.82 °C/W



SSP1: Single-phase panel mount SSR

SSP relays	
Control input voltage	Load output voltage
~ 4...32 V	~ 20...300 V

Simple, safe, and robust screw terminals

- > Simple and easy wiring; accepts wires with different kinds of terminations (cable ends, fork lug, ring lug)
- > Safe with IP10 protection and transparent cover on terminal
- > Easy installation and designed for panel mounting by two fastener screws

Simplified installation and mounting

- > Product with readily available thermal pad
- > Heat sink offers panel and DIN rail mounting options

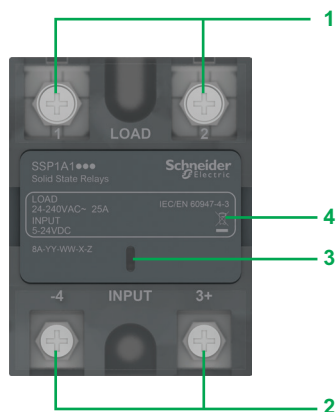
Robustness

- > Lower leakage current ensures higher reliability
- > Enhanced insulation performance with higher Uimp

Type of product **Panel mount SSR**



Number of phases	1						
Type of mounting	Panel mounted						
Control input voltage	4-32V						
Rated input voltage	5-24V						
Rated Output voltage	24-240V						
Output voltage range	20-300V						
Rated Output load current Specific utilization category @25°C	With Heatsink	0.1-10A	0.1-25A	0.1-50A	1-75A	1-90A	1-125A
	Without Heatsink	0.1-5A	0.1-10A	0.1-12A	1-12A	1-12A	1-12A
Surge Current	AC ~	150 A (1/2 Cycle)	250 A (1/2 Cycle)	500 A (1/2 Cycle)	750 A (1/2 Cycle)	900 A (1/2 Cycle)	1250 A (1/2 Cycle)
	Zero voltage	Yes					
Type of switching	Random	-					
	DC ⎓	-					
Cooling	With thermal pad						
Degree of protection	IP10						
LED indication	Yes						
Actuation and release time	≤ 1/2 load power cycle						
Maximum voltage drop	< 1.6V on state						
Maximum leakage current	< 1 mA off state						
Insulation resistance	500 MΩ at 500V ⎓						
Insulation performance	3kV ~ suitable for input/output (channel) 3kV ~ suitable for output/housing						
Rated impulse withstand voltage	6kV Imp suitable for input/output (channel) 6kV Imp suitable for output/housing						
Operating temperature range	-30 to 80°C						
Storage temperature range	-30 to 100°C						
Ambient humidity	45%~85%						
Product certification	CE, UL, UKCA						
Conforming to standards	UL 508, IEC/EN 60947-4-3, IEC/EN 62314, CSA C22.2 No 14						
Solid state output type	TRIAC output	SCR output					
Product reference	SSP1A110BDE	SSP1A125BDE	SSP1A150BDE	SSP1A175BDE	SSP1A190BDE	SSP1A1125BDE	
Page	7						



Front view

Presentation of the range

SSP solid state relays are single-phase panel mount relays that offer complete solid state control and switching solutions.

- Easy product selection with simplified product nomenclature and direct heat sink selection available in product data sheets.
- Wide choice of heat sinks with thermal resistance ratings of 0.56 °C/W to 0.82 °C/W.

The SSP relay range is the single-phase panel mount solid state relays available thermal pad and extended rated output voltage of up to 300V AC and load current rating of 10 A to 125 A.

Relay description

SSP1 single-phase panel mount relays

- 1 Load output connection screw terminals
- 2 Control input connection screw terminals
- 3 Control input voltage LED indicator
- 4 Indication area for product label or markings

S	
SSP1A110BDE	7
SSP1A125BDE	7
SSP1A150BDE	7
SSP1A175BDE	7
SSP1A190BDE	7
SSP1A1125BDE	7
SSP1HP06	7
SSP1HP07	7
SSP1HP08	7

Notes

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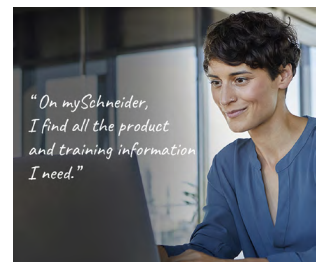
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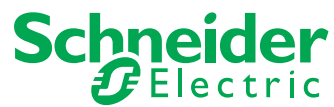
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