



# Harmony Solid State Relays

Slim interfaces, Modular DIN rail and  
Panel mount solid state relays



# Harmony

## Discover **Harmony**

Advanced operator interface and industrial relays

**Harmony** operator interface and industrial relays enhance operational efficiency and equipment availability across industrial and building applications. **Harmony** includes intelligent connected products and edge terminals that visualize, gather and process data, enabling informed operator decisions

## Explore our offer

- **Harmony** Push Buttons and Switches
- **Harmony** HMI Operator Terminals, IPC and EdgeBox
- **Harmony** Signaling Devices
- **Harmony** Electrical Relays
- **Harmony** Safety

Life Is On

**Schneider**  
Electric

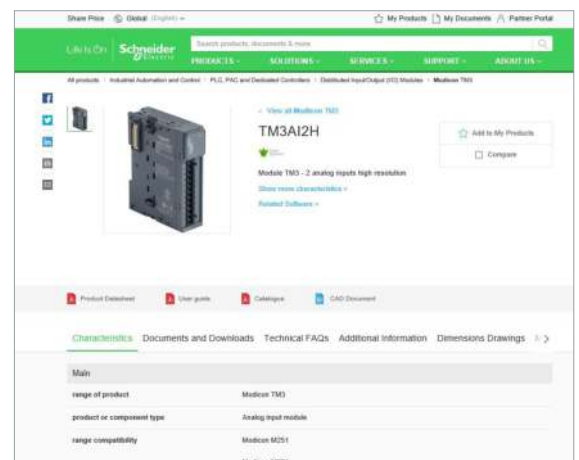
# Quick access to product information

## Get technical information about your product

References

**Modicon TM3**  
I/O expansion modules for Modicon controllers  
Analog I/O modules

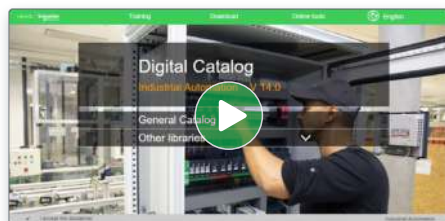
Module type	Input range	Output range	Resolution	Input/Output range	Reference	Price
2 refrigerant inputs	-45...+150°C 0...25 mA, 4...20 mA	10 mA, 0...10 mA	10 bits	10 mA, 0...10 mA	TM3AI2H	\$ 110
4 refrigerant inputs	-45...+150°C 0...25 mA, 4...20 mA	10 mA, 0...10 mA	10 bits	10 mA, 0...10 mA	TM3AI4H	\$ 130
2 differential temperature inputs	-45...+150°C 0...25 mA, 4...20 mA	10 mA, 0...10 mA	10 bits	10 mA, 0...10 mA	TM3AI2H	\$ 110
4 differential temperature inputs	-45...+150°C 0...25 mA, 4...20 mA	10 mA, 0...10 mA	10 bits	10 mA, 0...10 mA	TM3AI4H	\$ 130



Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

## Find your catalog



- > With just 3 clicks, you can access the Industrial Automation and Control catalogs, in both English and French
- > Consult digital automation catalogs at [Digi-Cat Online](#)



- Up-to-date catalogs
- Embedded product selectors, 360° pictures
- Optimized search by commercial references

## Select your training



- > Find the right [Training](#) for your needs on our Global website
- > Locate the training center with the selector tool, using this [link](#)



# General contents

## Harmony Solid State Relays

### ■ General presentation

- Choose slim interfacing solution with SSL relays ..... [page 2](#)
- Choose reliability and flexibility with the innovative  
DIN rail mount SSD relays ..... [page 3](#)
- Choose modularity with DIN rail mount SSM relays ..... [page 4](#)
- Choose complete panel mount solution with SSP relays ..... [page 5](#)

**Selection guide** ..... [page 6](#)

### ■ SSL solid state slim relays

- Presentation of the range ..... [page 8](#)
- Relay and socket description ..... [page 8](#)
- References ..... [page 9](#)
  - Pre-assembled solid state slim relays ..... [page 9](#)
  - Relays and sockets for customer assembly ..... [page 10](#)
  - Accessories ..... [page 11](#)

### ■ SSD solid state DIN rail relays

- Presentation of the range ..... [page 12](#)
- Relay description ..... [page 12](#)
- References ..... [page 13](#)
  - SSD1 single-phase solid state relays (22.5 and 45 mm) ..... [page 13](#)
  - Accessories ..... [page 13](#)

### ■ SSM solid state modular DIN rail relays

- Presentation of the range ..... [page 14](#)
- Relay description ..... [page 14](#)
- References ..... [page 16](#)
  - SSM1 single-phase solid state relays (12 and 18 mm) ..... [page 16](#)
  - SSM1 single-phase solid state relays (22.5 and 45 mm) ..... [page 17](#)
  - SSM2 single-phase solid state relays, dual channel ..... [page 17](#)
  - SSM3 three-phase solid state relays ..... [page 17](#)
  - Accessories ..... [page 17](#)

### ■ SSP solid state panel mount relays

- Presentation of the range ..... [page 18](#)
- Relay description ..... [page 18](#)
- References ..... [page 19](#)
  - SSP1 single-phase solid state relays ..... [page 19](#)
  - SSP3 three-phase solid state relays ..... [page 20](#)
  - Heat sinks and accessories ..... [page 21](#)

■ **Product reference index** ..... [page 22](#)

### Harmony Relays - Solid State Relays

Choose long life and silent operation with 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

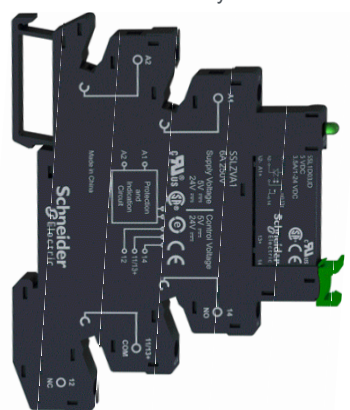
resistance to shock,  
vibration, and  
contamination

The Harmony SSR series offers slim interface (SSL), modular DIN rail (SSD, SSM) and panel mount (SSP) solid state relays that provide complete, compact, and innovative solutions for a wide variety of applications with interfacing control and load switching. They are the ideal solution for packaging, plastic molding, textile, and heating furnace applications.

### Choose a slim interfacing solution with SSL relays

#### Slim relay-socket solution

- > Complete range of control input and load output configurations for both AC and DC switching applications
- > Compact solution with 6 mm/0.236 in. width, allows customers to choose the combination of relays and associated sockets from the wide range available



SSL slim interface relay mounted on SSLZ socket

#### Pre-assembled SSL relays\*

Control input voltage	Load output voltage
~ 4...12 V	~ 1...24 V ~ 1...48 V ~ 24...250 V
~ 16...30 V	~ 1...24 V ~ 1...48 V ~ 24...250 V

\* SSL relays + SSLZ sockets

#### Enhanced performance in any situation

- > Socket with integrated reverse polarity protection circuit and control input/relay status LED indicator
- > IP 67 protection and fully encapsulated



LED indicator for relay status

#### Simplified installation and mounting

- > Locking/unlocking lever for replacing relay from the socket
- > Simple mounting on DIN rail
- > Choice of screw connector and spring terminal connection for sockets



Screw connector



Spring terminal

**SSL (1-phase) + SSLZ (socket) → Slim plug-in interface solution**



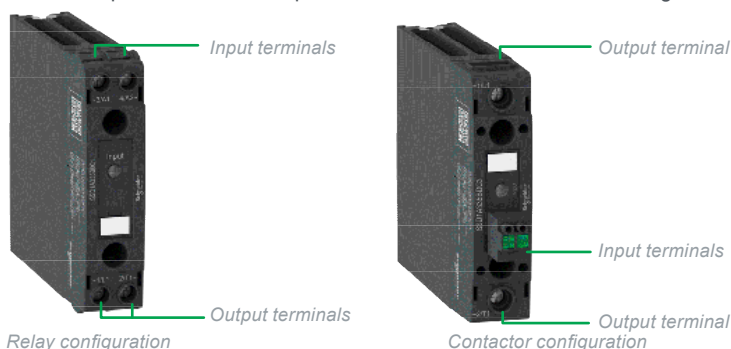
Choose reliability and flexibility with innovative DIN rail mount SSD relays

## Performance

- > High I<sup>2</sup>T (up to 8320 A<sup>2</sup>S) to facilitate the use of circuit breakers instead of fuses, allowing Type 1 coordination protection (as per IEC 60947-4-3)
- > High current rating (up to 35 A for 22.5 mm models, and up to 60 A for 45 mm models) at a compact size, optimizing the size of your enclosure
- > Surge protection from applications with built-in transient overvoltage protection

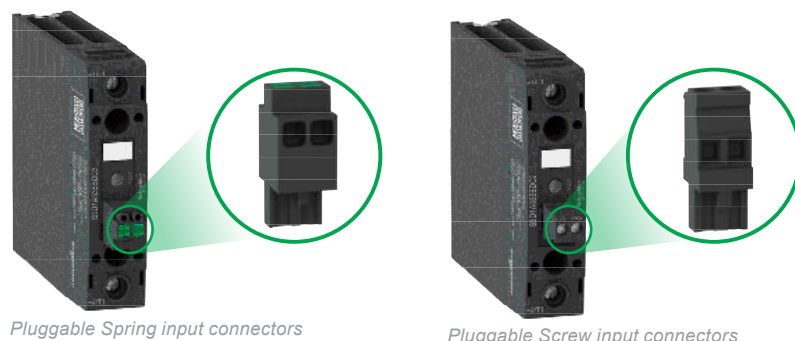
## Flexibility

- > Relay and Contactor configuration to suit your wiring preferences
- > Telescopic screw terminal options available to facilitate the use of lug terminals



## Simplified selection and installation

- > Integrated heat sink to eliminate the need for thermal calculation
- > Spring and screw input connectors option is available for simplified wiring



## Wide range of standards and certifications

- > Complies with IEC 61373 for railway and rolling stock application
- > Electromagnetic compatibility complying to IEC 60947-4-3 standard
- > Conforms to a wide range of internationally recognized standards and certification

22.5mm/0.886 in.



SSD1: 20, 30 and 35 A single-phase SSR

45mm/1.772 in.



SSD1: 45 and 60 A single-phase SSR

SSD relays	
Control input voltage	Load output voltage
~ 4...32 V	~ 1...150 V ~ 48...600 V
~ 90...280 V	~ 48...600 V

**Note:** The SSD1 range references will be substituting the SSM1 range references for 22.5 mm/0.886 in. width (20 A, 30 A) and 45 mm/1.771 in. width (45 A, 55 A).

Harmony SSR → The new generation solid state relays

### Choose modularity with DIN rail mount SSM relays

#### Ready to use "Plug and play"

- > Modular design of IP 20 housing and built-in heat sink for optimized operating conditions
- > Easy mounting on standard 35 mm/1.378 in. DIN rail with a secure mounting latch

#### Compact design

- > Requires less panel space due to slim width and thus reduces the size of your enclosures
- > Optimized modular design available in various sizes (11, 18, 22.5, 45 and 90 mm width) with load output current of 6, 12, 20, 30, 45, and 55 A

11 mm/0.433 in.



SSM1: 6 A  
single-phase SSR

18 mm/0.709 in.



SSM2: 6 A dual channel,  
single-phase SSR

#### SSM1 relays

Control input voltage	Load output voltage
~4...32 V	~1...48 V ~1...100 V
~4...32 V	~24...280 V ~48...600 V
~18...36 V ~90...140 V ~200...265 V	~24...280 V ~48...600 V

#### SSM2 relays

Control input voltage	Load output voltage
~4...32 V	~24...280 V ~48...600 V

22.5 mm/0.886 in.



SSM1: 20 and 30 A  
single-phase SSR

45 mm/1.772 in.



SSM1: 45 and 55 A  
single-phase SSR

#### SSM1 relays

Control input voltage	Load output voltage
~4...32 V	~24...280 V ~48...660 V
~3...32 V	~24...280 V
~90...140 V ~90...280 V	~24...280 V ~48...660 V

90 mm/3.543 in.



SSM3: 25 A  
three-phase SSR

#### SSM3 relays

Control input voltage	Load output voltage
~4...32 V	~48...600 V
~90...140 V	~48...600 V
~180...280 V	~48...600 V

#### Enhanced modular solution

- > Wide choice of relays with single-phase and three-phase options and current ratings from 6 A to 55 A
- > Zero voltage switching for resistive loads and random switching for inductive loads
- > UL and cUL approved including the general purpose and motor controller rating standards

**SSM1 (1-phase)/SSM2 (1-phase dual channel)/SSM3 (3-phase) → Plug & Play solution**

### Choose a complete panel mount solution with SSP relays

#### Complete solution

- > Single-phase and three-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 heat sink selection available in product data sheets
- > Wide choice of heat sinks with thermal resistance ratings of 0.2 °C/W to 2.5 °C/W



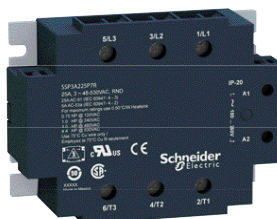
SSP1: Single-phase panel mount SSR

SSP1 relays	
Control input voltage	Load output voltage
3.5...32 V	1...150 V
3...32 V	24...300 V
4...32 V	48...660 V
90...280 V	24...300 V
	48...660 V



SSP1.S: Single-phase panel mount SSR with smart diagnostic features

SSP1.S relays	
Control input voltage	Load output voltage
3...32 V	24...300 V
4...32 V	48...660 V



SSP3: Three-phase panel mount SSR

SSP3 relays	
Control input voltage	Load output voltage
4-32 V	48-530 V
18-36 V	48-530 V
90-140 V	
180-280 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 and fool-proof design with IP 20 protection and integrated enclosure
- > Robust self-aligned screw terminals with proven effectiveness in helping to prevent screw jams

#### Innovative SSP1.S with smart diagnostics and test button

- > Smart diagnostic features with built-in visual indicator and alarm output enables quick response to unexpected results and correct monitoring of SSR operation
- > A test button for easy debugging, testing, and commissioning

#### Simplified installation and mounting

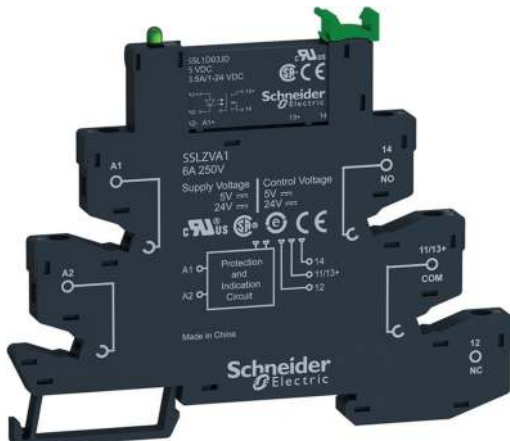
- > Product option with readily available factory-fit thermal pad
- > Heat sink offers panel and DIN rail mounting options



Type of product	Slim interface SSR		Modular DIN rail SSR	
	Customer assembly (Relay and socket)	Pre-assembled (Relay with socket)		
				
Number of phases	1		1	1
Type of mounting	Plug-in PCB pins with DIN rail mounted socket		DIN rail mounted	DIN rail mounted
Control input voltage	~	—	90...280 V	18...36 V 90...140 V 200...265 V
	---	---	4...32 V 90...280 V	4...32 V
Output load voltage	~	24...280 V	48...600 V	24...280 V 48...600 V
	---	1...24 V 1...48 V	1...150 V	1...60 V 1...100 V
Output load current	~	2 A	20,35 A for 22.5 mm/0.886 in. 40, 60 A for 45 mm/1.772 in.	6 A for 12 mm/0.472 in. 12 A for 18 mm/0.709 in.
	---	0.1, 3.5 A	20,30 A for 22.5 mm/0.886 in.	6 A for 12 mm/0.472 in. 12 A for 18 mm/0.709 in.
Type of switching	Zero voltage	Yes	Yes	Yes
	Random	Yes	Yes	Yes
	DC	Yes	Yes	Yes
Cooling	—		Built-in heat sink	Built-in heat sink
Degree of protection	IP 67 (encapsulation) IP 20 (socket)		IP 20	IP 20
LED indication	Yes (on socket)		Yes	Yes
Solid state relay type	SSL (1) (2)		SSD1 (3)	SSM1
Pages	9		13	16 and 17

(1) SSL slim relays and SSLZ sockets.  
(2) Pre-assembled SSL slim relays (relay + socket).  
(3) The SSD1 range references will be substituting the SSM1 range references for 22.5 mm/0.886 in. width (20 A, 30 A) and 45 mm/1.771 in. width (45 A, 55 A).

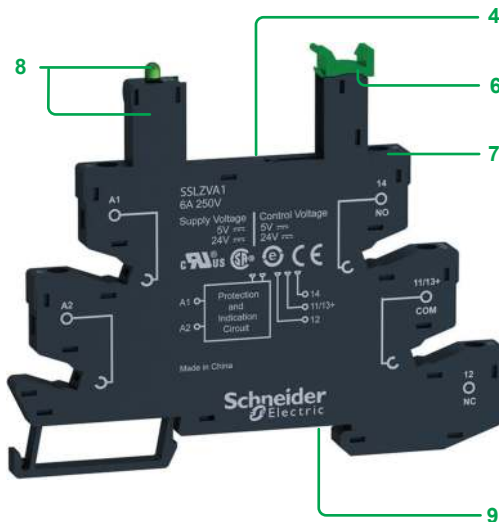
Modular DIN rail SSR (continued)			Panel mount SSR	
				
1	1 (dual SSR)	3	1	3
DIN rail mounted	DIN rail mounted	DIN rail mounted	Panel mounted	Panel mounted
90...140 V 90...280 V	—	90...140 V 90...280 V	90...280 V	18...36 V 90...140 V 180...280 V
3...32 V 4...32 V	4...32 V	4...32 V	3...32 V 4...32 V	4...32 V
24...280 V 48...660 V	24...280 V 48...600 V	48...600 V	24...300 V 48...660 V	48...530 V
—	—	—	1...150 V	—
20, 30 A for 22.5 mm/0.886 in. 45, 55 A for 45 mm/1.772 in.	6 A	25 A	10, 25, 50, 75, 90, 125 A	25, 50 A
—	—	—	12, 25, 40 A	—
Yes	Yes	Yes	Yes	Yes
—	Yes	Yes	—	Yes
—	—	—	Yes	—
Built-in heat sink	Built-in heat sink	Built-in heat sink	Option with thermal pad	Option with thermal pad
IP 20	IP 20	IP 20	IP 20	IP 20
Yes	Yes	Yes	Yes	Yes
SSM1 (3)	SSM2	SSM3	SSP1	SSP3
16 and 17	17	17	19	20



Pre-assembled solid state relay



SSL relay



Socket equipped with LED and protection circuit

### Presentation of the range

SSL solid state relays offer the advantages of several input and output configurations for both AC and DC switching applications. Their compact size and modular design reduces space and allows easy mounting on the socket.

The plug-in type relays can be mounted directly on a PCB or with a socket on a standard 35 mm/1.378 in. DIN rail. The sockets are available in screw connector and spring terminal types.

SSL relays offer:

- A choice of relays and sockets to suit a range of operating voltages
- Zero voltage switching for resistive load and random switching for inductive load applications
- Simple maintenance as the relays can be held in place/released by locking/unlocking the lever without disconnecting the socket wiring
- Socket with reverse polarity protection circuit and LED indicator for easy identification of control status

These relays are available in both pre-assembled (single reference) and customer assembled offers.

### Relay description

#### SSL slim solid state relays

- 1 Relay with 1 N/O contact and any one of the following ratings:
  - 24 V  $\overline{\sim}$ , 3.5 A
  - 48 V  $\overline{\sim}$ , 100 mA
  - 280 V  $\sim$ , 2 A
- 2 4 flat, reinforced pins (PCB type)
- 3 5 mm/0.197 in. relay width for up to 3.5 A of load current

### Socket description

#### Sockets for SSL slim solid state relays

- 4 5 female contacts for the relay pins
- 5 6.2 mm/0.244 in. socket width
- 6 Lever for locking or releasing the relay from its socket with clip-in marker legend
- 7 Wire connection by screw connectors or spring terminals
- 8 Built-in reverse polarity protection circuit and LED indicator
- 9 Locating slot for mounting on DIN rail



### Pre-assembled solid state slim relays

#### Relays mounted on screw sockets (sold in lots of 30)

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
DC Switching	— 4 to 12	— 1 to 24	3.5	<a href="#">SSL1D03JDPV</a> (SSL1D03JD + SSLZVA1)	0.033/0.073
	— 4 to 12	— 1 to 48	0.1	<a href="#">SSL1D101JDPV</a> (SSL1D101JD+SSLZVA1)	0.033/0.073
Zero voltage switching	— 4 to 12	~ 24 to 250	2	<a href="#">SSL1A12JDPV</a> (SSL1A12JD+SSLZVA1)	0.033/0.073
Random switching	— 4 to 12	~ 24 to 250	2	<a href="#">SSL1A12JDRPV</a> (SSL1A12JDR+SSLZVA1)	0.033/0.073
DC Switching	— 16 to 30	— 1 to 24	3.5	<a href="#">SSL1D03BDPV</a> (SSL1D03BD+SSLZVA1)	0.033/0.073
	— 16 to 30	— 1 to 48	0.1	<a href="#">SSL1D101BDPV</a> (SSL1D101BD+SSLZVA1)	0.033/0.073
Zero voltage switching	— 16 to 30	~ 24 to 250	2	<a href="#">SSL1A12BDPV</a> (SSL1A12BD+SSLZVA1)	0.033/0.073
Random switching	— 16 to 30	~ 24 to 250	2	<a href="#">SSL1A12BDRPV</a> (SSL1A12BDR+SSLZVA1)	0.033/0.073

#### Relays mounted on spring sockets (sold in lots of 30)

DC Switching	— 4 to 12	— 1 to 24	3.5	<a href="#">SSL1D03JDPR</a> (SSL1D03JD+SSLZRA1)	0.033/0.073
	— 4 to 12	— 1 to 48	0.1	<a href="#">SSL1D101JDPR</a> (SSL1D101JD+SSLZRA1)	0.033/0.073
Zero voltage switching	— 4 to 12	~ 24 to 250	2	<a href="#">SSL1A12JDPR</a> (SSL1A12JD+SSLZRA1)	0.033/0.073
Random switching	— 4 to 12	~ 24 to 250	2	<a href="#">SSL1A12JDRPR</a> (SSL1A12JDR+SSLZRA1)	0.033/0.073
DC Switching	— 16 to 30	— 1 to 24	3.5	<a href="#">SSL1D03BDPR</a> (SSL1D03BD+SSLZRA1)	0.033/0.073
	— 16 to 30	— 1 to 48	0.1	<a href="#">SSL1D101BDPR</a> (SSL1D101BD+SSLZRA1)	0.033/0.073
Zero voltage switching	— 16 to 30	~ 24 to 250	2	<a href="#">SSL1A12BDPR</a> (SSL1A12BD+SSLZRA1)	0.033/0.073
Random switching	— 16 to 30	~ 24 to 250	2	<a href="#">SSL1A12BDRPR</a> (SSL1A12BDR+SSLZRA1)	0.033/0.073

PF 123409A



SSL1A12JD

PF 123420B



SSLZVA1 + SSL1D03JD

### Relays and sockets for customer assembly

#### SSL single-phase solid state relays (sold in lots of 12)

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
DC switching	--- 3 to 12	--- 1 to 24	3.5	SSL1D03JD	0.004/0.009
		--- 1 to 48	0.1	SSL1D101JD	0.004/0.009
	--- 15 to 30	--- 1 to 24	3.5	SSL1D03BD	0.004/0.009
	--- 16 to 30	--- 1 to 48	0.1	SSL1D101BD	0.004/0.009
Zero voltage switching	--- 3 to 12	~ 24 to 280	2	SSL1A12JD	0.004/0.009
	--- 15 to 30	~ 24 to 280	2	SSL1A12BD	0.004/0.009
Random switching	--- 3 to 12	~ 24 to 280	2	SSL1A12JDR	0.004/0.009
	--- 15 to 30	~ 24 to 280	2	SSL1A12BDR	0.004/0.009

#### Sockets equipped with LED and protection circuit (sold in lots of 10)

Control voltage (Nominal) For use with relays		Socket type		Spring terminals	
		Screw connector	Unit reference	Unit reference	Weight
V			Weight		kg/lb
--- 5	SSL1D03JD SSL1D101JD SSL1A12JD SSL1A12JDR	SSLZVA1	0.029/0.063	SSLZRA1	0.029/0.063
--- 24	SSL1D03BD SSL1D101BD SSL1A12BD SSL1A12BDR	SSLZVA1	0.029/0.063	SSLZRA1	0.029/0.063



RSLZ2



RSLZ3

### Accessories for sockets

Description	Compatibility	Reference	Weight kg/lb
<b>Clip-in legends</b> (2 sheets of 64 legends)	SSL sockets	<a href="#">RSLZ5</a>	0.001/0.002
<b>Bus jumper</b> (10 x 20-pole jumper)	SSL sockets	<a href="#">RSLZ2</a>	0.003/0.007
<b>Partition plate</b> (10 partition plates)	SSL sockets	<a href="#">RSLZ3</a>	0.001/0.002



### Presentation of the range

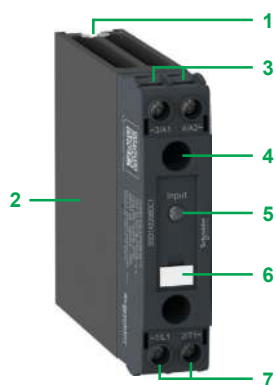
**SSD1** solid state relays are single-phase DIN rail mounted relays with high-power density of up to 60 A and built-in heat sink. They are available in two configurations, namely the relay and contactor types.

The **SSD1** family offers a unique range of terminal connections (input connectors: spring or screw plug-in, output terminals: telescopic, clamp cage or standard screw) providing options as per the wiring preference.

### Relay description

#### SSD1 relay, 22.5 mm/0.886 in. – Relay configuration

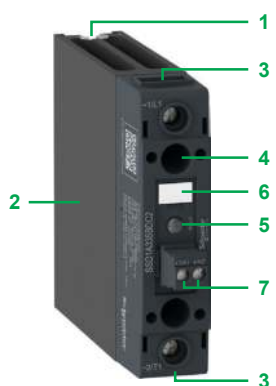
- 1 Locating slot for mounting on DIN rail
- 2 Built-in heat sink for heat dissipation
- 3 Control input connection terminals
- 4 Fixing hole for attaching relay to heat sink
- 5 LED input status indicator
- 6 Clip-in legend for easy identification
- 7 Load output connection terminals



SSD1 single-phase solid state DIN rail relay, 22.5 mm

#### SSD1 relay, 22.5 mm/0.886 in. – Contactor configuration with pluggable (screw or spring) input connector

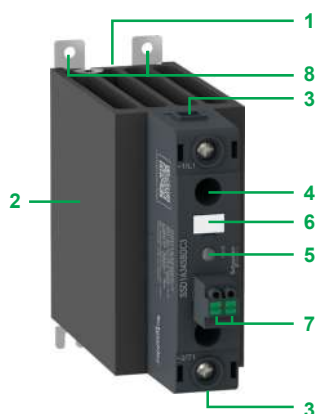
- 1 Locating slot for mounting on DIN rail
- 2 Built-in heat sink for heat dissipation
- 3 Load output connection terminals
- 4 Fixing hole for attaching relay to heat sink
- 5 LED input status indicator
- 6 Clip-in legend for easy identification
- 7 Pluggable input connector (spring or screw options available)



SSD1 single-phase solid state DIN rail contactor with pluggable screw input, 22.5 mm

#### SSD1 relay, 45 mm/1.771 in. – Contactor configuration with pluggable (screw or spring) input connector

- 1 Locating slot for mounting on DIN rail
- 2 Built-in heat sink for heat dissipation
- 3 Load output connection terminals
- 4 Fixing hole for attaching relay to heat sink
- 5 LED input status indicator
- 6 Clip-in legend for easy identification
- 7 Pluggable input connector (spring or screw options available)
- 8 Lugs for panel mounting



SSD1 single-phase solid state DIN rail contactor with pluggable spring input, 45 mm



### SSD1 single-phase solid state relays (22.5 and 45 mm) <sup>(1)</sup>

Switching	Voltage range		Load current range	Configuration	Reference	Weight		
	Control input	Load output						
	V	V	A			kg/lb		
DC switching	— 4...32	— 1...150	20	Relay	SSD1D520BDC1	0.298/0.657		
			30	Relay	SSD1D530BDC1	0.298/0.657		
Zero voltage switching	— 4...32	~ 48...600	20	Relay	SSD1A320BDC1	0.298/0.657		
			20	Contactor, Screw input connector	SSD1A320BDC2	0.301/0.664		
			20	Contactor, Spring input connector	SSD1A320BDC3	0.301/0.664		
			35	Relay	SSD1A335BDC1	0.298/0.657		
			35	Contactor, Screw input connector	SSD1A335BDC2	0.301/0.664		
			35	Contactor, Spring input connector	SSD1A335BDC3	0.301/0.664		
			45	Contactor, Screw input connector	SSD1A345BDC2	0.507/1.117		
			45	Contactor, Spring input connector	SSD1A345BDC3	0.507/1.117		
			60	Contactor, Screw input connector	SSD1A360BDC2	0.507/1.117		
			60	Contactor, Spring input connector	SSD1A360BDC3	0.507/1.117		
			≈ 90...280	~ 48...600	20	Relay	SSD1A320M7C1	0.298/0.657
					20	Contactor, Screw input connector	SSD1A320M7C2	0.301/0.664
		20			Contactor, Spring input connector	SSD1A320M7C3	0.301/0.664	
		35			Relay	SSD1A335M7C1	0.298/0.657	
		35			Contactor, Screw input connector	SSD1A335M7C2	0.301/0.664	
		35			Contactor, Spring input connector	SSD1A335M7C3	0.301/0.664	
		Random switching	— 4...32	~ 48...600	45	Contactor, Screw input connector	SSD1A345M7C2	0.507/1.117
					45	Contactor, Spring input connector	SSD1A345M7C3	0.507/1.117
	60				Contactor, Screw input connector	SSD1A360M7C2	0.507/1.117	
	60				Contactor, Spring input connector	SSD1A360M7C3	0.507/1.117	
	20				Relay	SSD1A320BDR3	0.298/0.657	
	20				Contactor, Screw input connector	SSD1A320BDR2	0.301/0.664	
	20				Contactor, Spring input connector	SSD1A320BDR3	0.301/0.664	
	35				Relay	SSD1A335BDR3	0.298/0.657	
	Zero voltage switching	~ 48...600	35	Contactor, Screw input connector	SSD1A335BDR2	0.301/0.664		
			35	Contactor, Spring input connector	SSD1A335BDR3	0.301/0.664		
45			Contactor, Screw input connector	SSD1A345BDR2	0.507/1.117			
45			Contactor, Spring input connector	SSD1A345BDR3	0.507/1.117			
60			Contactor, Screw input connector	SSD1A360BDR2	0.507/1.117			
60			Contactor, Spring input connector	SSD1A360BDR3	0.507/1.117			
≈ 90...280			~ 48...600	20	Relay	SSD1A320M7RC1	0.298/0.657	
				20	Contactor, Screw input connector	SSD1A320M7RC2	0.301/0.664	
				20	Contactor, Spring input connector	SSD1A320M7RC3	0.301/0.664	
				35	Relay	SSD1A335M7RC1	0.298/0.657	
				35	Contactor, Screw input connector	SSD1A335M7RC2	0.301/0.664	
				35	Contactor, Spring input connector	SSD1A335M7RC3	0.301/0.664	
Random switching		— 4...32	~ 48...600	45	Contactor, Screw input connector	SSD1A345M7RC2	0.507/1.117	
				45	Contactor, Spring input connector	SSD1A345M7RC3	0.507/1.117	
Random switching		— 4...32	~ 48...600	60	Contactor, Screw input connector	SSD1A360M7RC2	0.507/1.117	
				60	Contactor, Spring input connector	SSD1A360M7RC3	0.507/1.117	

### Accessories

Description	For use with	Sold in lots of	Unit reference	Weight kg/lb
Clip-in Legends, Blank strip	All SSD1 solid state relays	10	SSDZLB	0.002/0.004
Clip-in Legends, Numbered strip (1 to 10)	All SSD1 solid state relays	10	SSDZLN1	0.002/0.004
Clip-in Legends, Numbered strip (11 to 20)	All SSD1 solid state relays	10	SSDZLN2	0.002/0.004

(1) The SSD1 range references will be substituting the SSM1 range references for 22.5 mm/0.886 in. width (20 A, 30 A) and 45 mm/1.771 in. width (45 A, 55 A).

### Presentation of the range

**SSM** solid state relays are compact relays offering greater power density. The modular IP 20 housing design and built-in heat sink offer optimized operating solutions.

The SSM relay range comprises:

- **SSM1**: Single-phase SSR relays with 6, 12, 20, 30, 45, and 55 A ratings
- **SSM2**: Single-phase dual SSR relays with 6 A rating
- **SSM3**: Three-phase SSR relays with 25 A rating

### Relay description

#### SSM1 relays, 12 mm/0.472 in. width and 18 mm/0.709 in. width

- 1 Built-in heat sink for heat dissipation
- 2 Control input connection terminals
- 3 Control input voltage LED indicator in green
- 4 Bracket for mounting on 35 mm/1.378 in. DIN rail
- 5 Load output connection terminals
- 6 Mounting latch



#### SSM1 relays, 22.5 mm/0.886 in. (20 A, 30 A) width and 45 mm/1.771 in. (45 A, 55 A) width

- 1 Lugs for panel mounting
- 2 Built-in heat sink for heat dissipation
- 3 Control input connection terminals
- 4 Control input voltage LED indicator in green
- 5 Bracket for mounting on 35 mm/1.378 in. DIN rail
- 6 Load output connection terminals





SSM2 single-phase dual channel modular relays, 18 mm

## Relay description

### SSM2 relays, 18 mm/0.709 in. width

- 1 Built-in heat sink for heat dissipation
- 2 Load output connection terminals for Channel A
- 3 Separate input voltage LED indicator in green
- 4 Separate control input connection terminals
- 5 Load output connection terminals for Channel B
- 6 Mounting latch
- 7 Bracket for mounting on 35 mm/1.378 in. DIN rail



SSM3 single-phase modular relays, 90 mm

### SSM3 relays, 90 mm/0.354 in. width

- 1 Lugs for panel mounting
- 2 Built-in heat sink for heat dissipation
- 3 Control input connection terminals
- 4 Control input voltage LED indicator in green
- 5 Bracket for mounting on 35 mm/1.378 in. DIN rail
- 6 Load output connection terminals

# Harmony Solid State Relays

## SSM solid state modular DIN rail relays

PF 12342BB



SSM1A36BD

PF 12342TB



SSM1A312BD

SSM1 single-phase solid state relays (6 A, 12 mm and 12 A, 18 mm)					
Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
DC switching	— 4...32	— 1...60	6	SSM1D26BD	0.050/0.110
			12	SSM1D212BD	0.090/0.198
		— 1...100	6	SSM1D36BD	0.050/0.110
			12	SSM1D312BD	0.090/0.198
	Zero voltage switching	~ 24...280	6	SSM1A16BD	0.050/0.110
			12	SSM1A112BD	0.090/0.198
		~ 48...600	6	SSM1A36BD	0.050/0.110
			12	SSM1A312BD	0.090/0.198
		~ 18...36	6	SSM1A16B7	0.050/0.110
			12	SSM1A112B7	0.090/0.198
		~ 48...600	12	SSM1A312B7	0.090/0.198
			12	SSM1A312B7	0.090/0.198
Random switching	— 4...32	~ 24...280	6	SSM1A16B7	0.050/0.110
			12	SSM1A112B7	0.090/0.198
		~ 48...600	6	SSM1A16F7	0.050/0.110
			12	SSM1A112F7	0.090/0.198
		~ 18...36	6	SSM1A16F7	0.050/0.110
			12	SSM1A112F7	0.090/0.198
		~ 48...600	12	SSM1A312F7	0.090/0.198
			12	SSM1A312F7	0.090/0.198
	~ 200...265	~ 24...280	6	SSM1A16P7	0.050/0.110
			12	SSM1A112P7	0.090/0.198
		~ 48...600	6	SSM1A16BDR	0.050/0.110
			12	SSM1A112BDR	0.090/0.198
		~ 48...600	6	SSM1A36BDR	0.050/0.110
			12	SSM1A312BDR	0.090/0.198
		~ 18...36	6	SSM1A16B7R	0.050/0.110
			12	SSM1A112B7R	0.090/0.198
		~ 48...600	12	SSM1A312B7R	0.090/0.198
			12	SSM1A312B7R	0.090/0.198
	~ 90...140	~ 24...280	12	SSM1A112F7R	0.090/0.198
			12	SSM1A312F7R	0.090/0.198
		~ 48...600	12	SSM1A112P7R	0.090/0.198
			12	SSM1A312P7R	0.090/0.198





SSM1A120M7

SSM1A445BD

### SSM1 single-phase solid state relays (22.5 and 45 mm) (1)

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
Zero voltage switching	— 4...32	~ 24...280	20	SSM1A120BD	0.280/0.617
			30	SSM1A130BD	0.280/0.617
	— 3...32	~ 24...280	45	SSM1A145BD	0.476/1.049
			— 4...32	~ 48...660	30
	45	SSM1A445BD			0.476/1.049
	55	SSM1A455BD			0.476/1.049
	~ 90...280	~ 24...280	20	SSM1A120M7	0.280/0.617
			30	SSM1A130M7	0.280/0.617
		~ 48...660	30	SSM1A430M7	0.280/0.617
	~ 90...140		~ 48...660	45	SSM1A445F7
		55		SSM1A455F7	0.476/1.049



SSM2A36BDR

### SSM2 single-phase solid state relays, dual channel (6 A, 18 mm)

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
Zero voltage switching	— 4...32	~ 24...280	6	SSM2A16BD	0.090/0.198
Random switching	— 4...32	~ 24...280	6	SSM2A16BDR	0.090/0.198
		~ 48...600	6	SSM2A36BDR	0.090/0.198



SSM3A325F7

### SSM3 three-phase solid state relays (25 A, 90 mm)

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
Zero voltage switching	— 4...32	~ 48...600	25	SSM3A325BD	0.740/1.631
		~ 90...140	25	SSM3A325F7	0.740/1.631
		~ 180...280	25	SSM3A325P7	0.740/1.631
Random switching	— 4...32	~ 48...600	25	SSM3A325BDR	0.740/1.631

### Accessories

Description	Types of relay supported	Unit reference	Weight
4 Pin connector cable for SSM2 relay	SSM2A16BD, SSM2A16BDR, SSM2A36BDR	SSRAC200	0.055/0.121

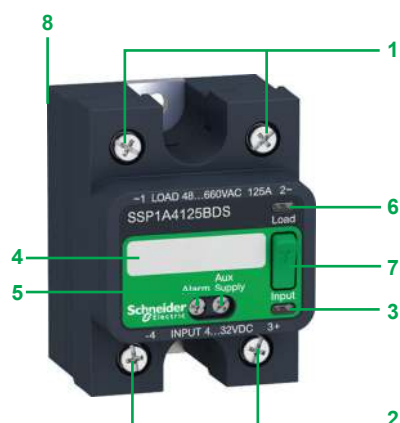
(1) The SSD1 range references will be substituting the SSM1 range references for 22.5 mm/0.886 in. width (20 A, 30 A) and 45 mm/1.771 in. width (45 A, 55 A).



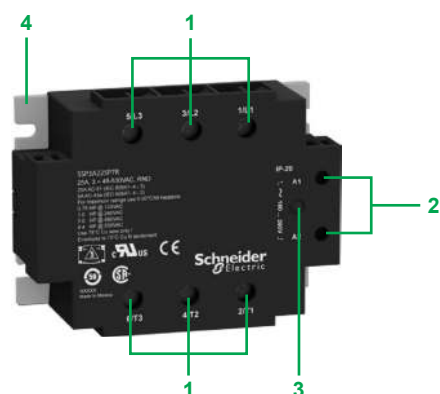
SSRAC200



SSP1 single-phase panel mount relays



SSP1 single-phase panel mount relays with smart diagnostic feature



SSP3 three-phase panel mount relays

## Presentation of the range

**SSP** solid state relays are single-phase and three-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 2.5 °C/W to 0.2 °C/W.

The SSP relay range comprises:

- **SSP1:** Single-phase panel mount solid state relays available with/without embedded thermal pad and smart diagnostic features, extended load output voltage of up to 660 V ~ and load current rating of 10 A to 125 A.
- **SSP3:** Three-phase panel mount solid state relays integrated with R-C snubber circuit, TVS (Transient Voltage Suppression), and load current ratings of 25 A and 50 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
- 5 Smart diagnostic auxiliary input and alarm output
- 6 Load output LED indicator
- 7 Test button
- 8 Optional factory-fit thermal pad that is glued on the rear of the product

### SSP3 three-phase panel mount relays

- 1 Load output connection screw terminals
- 2 Control input connection screw terminals
- 3 Control input voltage LED indicator
- 4 Optional factory-fit thermal pad that is glued on the rear of the product

# Harmony Solid State Relays

## SSP solid state panel mount relays



SSP1D425BD

### SSP1 single-phase solid state relays

#### Relays with embedded thermal pad

Switching	Voltage range		Load current range	Reference	Weight
	Control input	Load output			
	V	V	A		kg/lb
DC switching	3.5...32	1...150	12	SSP1D412BDT	0.089/0.196
			25	SSP1D425BDT	0.089/0.196
			40	SSP1D440BDT	0.089/0.196
Zero voltage switching	3...32	24...300	10	SSP1A110BDT	0.089/0.196
			25	SSP1A125BDT	0.089/0.196
			50	SSP1A150BDT	0.089/0.196
			75	SSP1A175BDT	0.089/0.196
	4...32	48...660	50	SSP1A450BDT	0.089/0.196
			75	SSP1A475BDT	0.089/0.196
			90	SSP1A490BDT	0.089/0.196
			125	SSP1A4125BDT	0.089/0.196
	90...280	24...300	10	SSP1A110M7T	0.089/0.196
			25	SSP1A125M7T	0.089/0.196
			50	SSP1A150M7T	0.089/0.196
			75	SSP1A175M7T	0.089/0.196
	48...660		50	SSP1A450M7T	0.089/0.196
			75	SSP1A475M7T	0.089/0.196
			90	SSP1A490M7T	0.089/0.196
			125	SSP1A4125M7T	0.089/0.196

#### Relays without embedded thermal pad

DC switching	3.5...32	1...150	12	SSP1D412BD	0.089/0.196
			25	SSP1D425BD	0.089/0.196
			40	SSP1D440BD	0.089/0.196
Zero voltage switching	3...32	24...300	10	SSP1A110BD	0.089/0.196
			25	SSP1A125BD	0.089/0.196
			50	SSP1A150BD	0.089/0.196
			75	SSP1A175BD	0.089/0.196
	4...32	48...660	50	SSP1A450BD	0.089/0.196
			75	SSP1A475BD	0.089/0.196
			90	SSP1A490BD	0.089/0.196
			125	SSP1A4125BD	0.089/0.196
	90...280	24...300	25	SSP1A125M7	0.089/0.196
			50	SSP1A150M7	0.089/0.196
		48...660	50	SSP1A450M7	0.089/0.196
			75	SSP1A475M7	0.089/0.196
			90	SSP1A490M7	0.089/0.196
			125	SSP1A4125M7	0.089/0.196

#### Relays with embedded thermal pad and smart diagnostic features

Zero voltage switching	3...32	24...300	25	SSP1A125BDS	0.097/0.214
			50	SSP1A150BDS	0.097/0.214
	4...32	48...660	50	SSP1A450BDS	0.097/0.214
			75	SSP1A475BDS	0.097/0.214
			90	SSP1A490BDS	0.097/0.214
			125	SSP1A4125BDS	0.097/0.214



SSP1A125BDS

# Harmony Solid State Relays

## SSP solid state panel mount relays

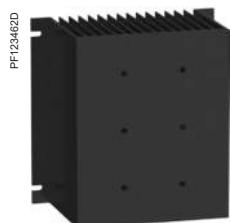


SSP3A225P7

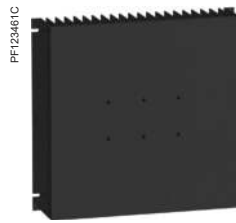
SSP3 three-phase solid state relays					
Relays with embedded thermal pad					
Switching	Voltage range		Load current range	Reference	Weight
	Control Input	Load Output			
	V	V	A		kg/lb
Zero voltage switching	— 4...32	~ 48...530	25	<a href="#">SSP3A225BDT</a>	0.240/0.529
			50	<a href="#">SSP3A250BDT</a>	0.240/0.529
	~ 18...36	~ 48...530	50	<a href="#">SSP3A250B7T</a>	0.240/0.529
	~ 90...140	~ 48...530	25	<a href="#">SSP3A225F7T</a>	0.240/0.529
			50	<a href="#">SSP3A250F7T</a>	0.240/0.529
	~ 180...280	~ 48...530	25	<a href="#">SSP3A225P7T</a>	0.240/0.529
			50	<a href="#">SSP3A250P7T</a>	0.240/0.529
Random switching	— 4...32	~ 48...530	25	<a href="#">SSP3A225BDRT</a>	0.240/0.529
			50	<a href="#">SSP3A250BDRT</a>	0.240/0.529
	~ 18...36	~ 48...530	50	<a href="#">SSP3A250B7RT</a>	0.240/0.529
	~ 90...140	~ 48...530	50	<a href="#">SSP3A250F7RT</a>	0.240/0.529
	~ 180...280	~ 48...530	50	<a href="#">SSP3A250P7RT</a>	0.240/0.529
Relays without embedded thermal pad					
Zero voltage switching	— 4...32	~ 48...530	25	<a href="#">SSP3A225BD</a>	0.240/0.529
			50	<a href="#">SSP3A250BD</a>	0.240/0.529
	~ 18...36	~ 48...530	25	<a href="#">SSP3A225B7</a>	0.240/0.529
			50	<a href="#">SSP3A250B7</a>	0.240/0.529
	~ 90...140	~ 48...530	25	<a href="#">SSP3A225F7</a>	0.240/0.529
			50	<a href="#">SSP3A250F7</a>	0.240/0.529
	~ 180...280	~ 48...530	25	<a href="#">SSP3A225P7</a>	0.240/0.529
			50	<a href="#">SSP3A250P7</a>	0.240/0.529
Random switching	— 4...32	~ 48...530	25	<a href="#">SSP3A225BDR</a>	0.240/0.529
			50	<a href="#">SSP3A250BDR</a>	0.240/0.529
	~ 18...36	~ 48...530	25	<a href="#">SSP3A225B7R</a>	0.240/0.529
			50	<a href="#">SSP3A250B7R</a>	0.240/0.529
	~ 90...140	~ 48...530	50	<a href="#">SSP3A250F7R</a>	0.240/0.529
	~ 180...280	~ 48...530	25	<a href="#">SSP3A225P7R</a>	0.240/0.529
			50	<a href="#">SSP3A250P7R</a>	0.240/0.529

# Harmony Solid State Relays

## SSP solid state panel mount relays



SSRHP05



SSRHP02



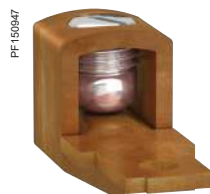
SSRHP07



SSRHP10



SSRHP25



SSRAL1

### Heat sinks for customer assembly

Mounting	Number and type of relays supported	Surface area cm <sup>2</sup> /in <sup>2</sup>	Thermal resistance °C/W	Reference	Weight kg/lb
Panel mount	Up to 3 SSP1 units 1 SSP3 unit	6,823/1,058	0.2	SSRHP02	2.592/5.714
	Up to 3 SSP1 units 1 SSP3 unit	4,406/683	0.5	SSRHP05	1.440/3.174
	1 SSP1 unit	1,640/254	0.7	SSRHP07	0.526/1.159
	Up to 3 SSP1 units 1 SSP3 unit	1,425/221	1	SSRHP10	0.620/1.367
	1 SSP1 unit	336/52.10	2.5	SSRHP25	0.100/0.220
DIN rail mount	Up to 3 SSP1 units 1 SSP3 unit	1,425/221	1	SSRHD10	0.630/1.389

### Accessories

Description	Type of relays supported	Unit reference	Weight kg/lb
Copper terminal lug for AWG 6 (13.3 mm <sup>2</sup> ) to AWG 0 (53.5 mm <sup>2</sup> ) Sold in lots of 10	SSP1	SSRAL1	0.042/0.093



R		SSL1D03BD	10	SSP1A125BDS	19	SSP3A250P7T	20
RSLZ2	11	SSL1D03BDPR	9	SSP1A125BDT	19	SSRAC200	17
RSLZ3	11	SSL1D03BDPV	9	SSP1A125M7	19	SSRAL1	21
RSLZ5	11	SSL1D03JD	10	SSP1A125M7T	19	SSRHD10	21
S		SSL1D03JDPR	9	SSP1A150BD	19	SSRHP02	21
		SSL1D03JDPV	9	SSP1A150BDS	19	SSRHP05	21
		SSL1D101BD	10	SSP1A150BDT	19	SSRHP07	21
SSD1A320BDC1	13	SSL1D101BDPR	9	SSP1A150M7	19	SSRHP10	21
SSD1A320BDC2	13	SSL1D101BDPV	9	SSP1A150M7T	19	SSRHP25	21
SSD1A320BDC3	13	SSL1D101JD	10	SSP1A175BD	19		
SSD1A320BDRC1	13	SSL1D101JDPR	9	SSP1A175BDT	19		
SSD1A320BDRC2	13	SSL1D101JDPV	9	SSP1A175M7T	19		
SSD1A320M7C1	13	SSLZRA1	10	SSP1A450BD	19		
SSD1A320M7C2	13	SSLZVA1	10	SSP1A450BDS	19		
SSD1A320M7C3	13	SSM1A16B7	16	SSP1A450BDT	19		
SSD1A320M7RC1	13	SSM1A16B7R	16	SSP1A450M7	19		
SSD1A320M7RC2	13	SSM1A16BD	16	SSP1A450M7T	19		
SSD1A320M7RC3	13	SSM1A16BDR	16	SSP1A475BD	19		
SSD1A335BDC1	13	SSM1A16F7	16	SSP1A475BDS	19		
SSD1A335BDC2	13	SSM1A16P7	16	SSP1A475BDT	19		
SSD1A335BDC3	13	SSM1A36BD	16	SSP1A475M7	19		
SSD1A335BDRC1	13	SSM1A36BDR	16	SSP1A475M7T	19		
SSD1A335BDRC2	13	SSM1A112B7	16	SSP1A490BD	19		
SSD1A335BDRC3	13	SSM1A112B7R	16	SSP1A490BDS	19		
SSD1A335M7C1	13	SSM1A112BD	16	SSP1A490BDT	19		
SSD1A335M7C2	13	SSM1A112BDR	16	SSP1A490M7	19		
SSD1A335M7C3	13	SSM1A112F7	16	SSP1A490M7T	19		
SSD1A335M7RC1	13	SSM1A112F7R	16	SSP1A4125BD	19		
SSD1A335M7RC2	13	SSM1A112P7	16	SSP1A4125BDS	19		
SSD1A335M7RC3	13	SSM1A112P7R	16	SSP1A4125BDT	19		
SSD1A345BDC2	13	SSM1A120BD	17	SSP1A4125M7	19		
SSD1A345BDC3	13	SSM1A120M7	17	SSP1A4125M7T	19		
SSD1A345BDRC2	13	SSM1A130BD	17	SSP1D412BD	19		
SSD1A345BDRC3	13	SSM1A130M7	17	SSP1D412BDT	19		
SSD1A345M7C2	13	SSM1A145BD	17	SSP1D425BD	19		
SSD1A345M7C3	13	SSM1A312B7	16	SSP1D425BDT	19		
SSD1A345M7RC2	13	SSM1A312B7R	16	SSP1D440BD	19		
SSD1A345M7RC3	13	SSM1A312BD	16	SSP1D440BDT	19		
SSD1A360BDC2	13	SSM1A312BDR	16	SSP3A225B7	20		
SSD1A360BDC3	13	SSM1A312F7	16	SSP3A225B7R	20		
SSD1A360BDRC2	13	SSM1A312F7R	16	SSP3A225BD	20		
SSD1A360BDRC3	13	SSM1A312P7R	16	SSP3A225BDR	20		
SSD1A360M7C2	13	SSM1A430BD	17	SSP3A225BDRT	20		
SSD1A360M7C3	13	SSM1A430M7	17	SSP3A225BDT	20		
SSD1A360M7RC2	13	SSM1A445BD	17	SSP3A225F7	20		
SSD1A360M7RC3	13	SSM1A445F7	17	SSP3A225F7T	20		
SSD1D520BDC1	13	SSM1A455BD	17	SSP3A225P7	20		
SSD1D530BDC1	13	SSM1A455F7	17	SSP3A225P7R	20		
SSDZLB	13	SSM1D26BD	16	SSP3A225P7T	20		
SSDZLN1	13	SSM1D36BD	16	SSP3A250B7	20		
SSDZLN2	13	SSM1D212BD	16	SSP3A250B7R	20		
SSL1A12BD	10	SSM1D312BD	16	SSP3A250B7RT	20		
SSL1A12BDPR	9	SSM2A16BD	17	SSP3A250B7T	20		
SSL1A12BDPV	9	SSM2A16BDR	17	SSP3A250BD	20		
SSL1A12BDR	10	SSM2A36BDR	17	SSP3A250BDR	20		
SSL1A12BDRPR	9	SSM3A325BD	17	SSP3A250BDRT	20		
SSL1A12BDRPV	9	SSM3A325BDR	17	SSP3A250BDT	20		
SSL1A12JD	10	SSM3A325F7	17	SSP3A250F7	20		
SSL1A12JDPR	9	SSM3A325P7	17	SSP3A250F7R	20		
SSL1A12JDPV	9	SSP1A110BD	19	SSP3A250F7RT	20		
SSL1A12JDR	10	SSP1A110BDT	19	SSP3A250F7T	20		
SSL1A12JDRPR	9	SSP1A110M7T	19	SSP3A250P7	20		
SSL1A12JDRPV	9	SSP1A125BD	19	SSP3A250P7R	20		
				SSP3A250P7RT	20		

Life Is On



Learn more about our products at  
[www.se.com/relays](http://www.se.com/relays)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Design: Schneider Electric

Photos: Schneider Electric

**Schneider Electric Industries SAS**

Head Office

35, rue Joseph Monier - CS 30323

F-92500 Rueil-Malmaison Cedex

France

DIA5ED2130302EN

March 2021 - V6.0