Zelio Relay - Solid state relays
SSL solid state slim relays

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.
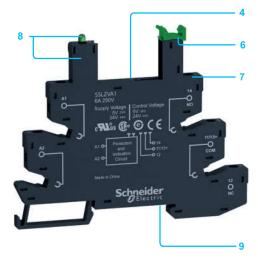
SSL relays provide customers with:
■ Relay and socket selection as per operating voltage of the application.
■ Available with Zero Voltage switching for resistive load and Random switching for inductive load applications.
■ Simple and easy maintenance as the relays can be retained/released by locking/unlocking the lever without disconnecting the socket wiring.
■ Socket with reverse polarity protection circuit and LED indicator for easy identification of control status.

Relay description
SSL slim solid state relays
1 Relay with 1 N/O contact and any one of the following ratings:
□ 24 V $=$, 3.5 A
□ 48 V $=$, 100 mA
□ 280 V $\sim$, 2 A
2 Four 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 Five female contacts for the relay pins
5 6.2 mm/*0.244 in.* socket width
6 Lever for retaining or easy removal of the relay from its socket with clip-on marker label
7 Wire connection by screw connectors or spring terminals
8 Reverse polarity protection circuit and LED indicator are built into the socket
9 Locating slot for mounting on DIN rail

Schneider Electric

PF123409A

SSL1A12JD

PF123420B

SSLZVA1 + SSL1D03JD

PF526466

RSLZ2

PF526467

RSLZ3

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*
	⎓ 38 to 72	⎓ 1 to 24	3.5	**SSL1D03ND**	0.004/*0.009*
	⎓ 1 to 48		0.1	**SSL1D101ND**	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*
	⎓ 38 to 72	∿ 24 to 280	2	**SSL1A12ND**	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*
	⎓ 38 to 72	∿ 24 to 280	2	**SSL1A12NDR**	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			
		Screw connector		Spring terminal	
		Unit reference	Weight	Unit reference	Weight
V			kg/*lb*		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*
⎓ 60	SSL1D03ND SSL1D101ND SSL1A12ND SSL1A12NDR	**SSLZVA2**	0.029/*0.063*	**SSLZRA2**	0.029/*0.063*
⎓/∿ 110	SSL1D03ND SSL1D101ND SSL1A12ND SSL1A12NDR	**SSLZVA3**	0.029/*0.063*	**SSLZRA3**	0.029/*0.063*
⎓/∿ 230	SSL1D03ND SSL1D101ND SSL1A12ND SSL1A12NDR	**SSLZVA4**	0.029/*0.063*	**SSLZRA4**	0.029/*0.063*

Accessories for sockets

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