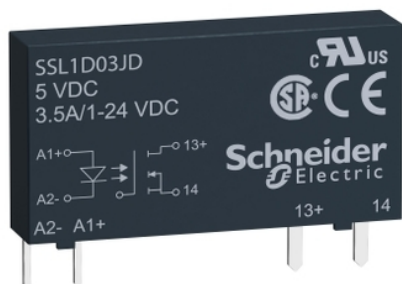


## Product data sheet

### Characteristics

# SSL1D03BD

Harmony Solid State Relays, Solid state slim relay, 3.5A, DC switching, input 15...30V DC, output 1...24V DC



### Main

Range of product	Harmony Solid State Relays
Product or component type	Solid state relay up to 10 A
Device short name	SSL
Network number of phases	1 phase
Output switching mode	DC switching

### Complementary

Mounting support	Socket
[In] rated current	3.5 A
Output voltage	1...24 V DC
[Uc] control circuit voltage	15...30 V DC
Capacitance unbalance	1.5 pF input/output
Minimum switching voltage	15 V DC turn-on
Maximum switching voltage	10 V DC turn-off
Input current limits	7 mA
Input impedance	3500 Ohm
Solid state output type	Mosfet output DC switching
Load current	0.001...3.5 A
Tansient Overvoltage	30 V DC
Maximum operating frequency	500 Hz
Surge current	9 A for 10 ms
Maximum voltage drop	<0.5 V on-state
Maximum leakage current	0.001 mA off-state
Response time	0.35 ms (turn-on) 0.08 ms (turn-off)
Overvoltage category	III
Width	5 mm
Height	28 mm
Depth	15 mm
Net weight	0.0041 kg

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 Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Flame retardance	V0 conforming to UL 94
Dielectric strength	2500 V for input/output
Pollution degree	2
Product certifications	UL CSA
Marking	CE
Ambient air temperature for operation	-20...80 °C
Ambient air temperature for storage	-20...85 °C

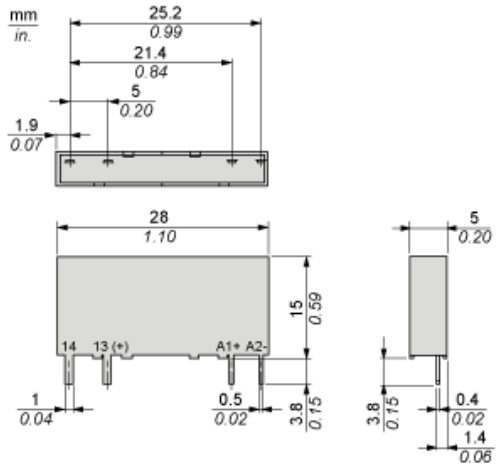
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	0.5 cm
Package 1 Length	2.8 cm
Package 1 Weight	5 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	0.7 cm
Package 2 Width	2.5 cm
Package 2 Length	37 cm
Package 2 Weight	64 g
Unit Type of Package 3	S01
Number of Units in Package 3	1080
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	6.042 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

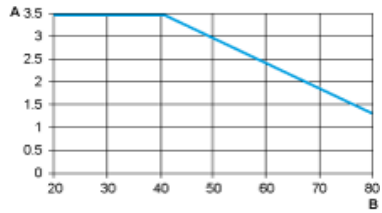
Dimensions



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Derating Curves

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A : Load Current (Amperes)  
B : Ambient Temperature (°C)