# **Product datasheet**

Specifications





## Solid state relay, 2 A, random switching, input 15...30 V DC, output 24...280 V AC

Local distributor code: 403013571

SSL1A12BDR

#### EAN Code: 3606480579738

### 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	Random voltage switching	

Complementary		
Mounting Support	Socket	
[In] Rated Current	2 A	
Output Voltage	24280 V AC	
[Uc] Control Circuit Voltage	1530 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	6 mA	
Input Impedance	3500 Ohm	
Solid State Output Type	SCR output Random voltage switching	
Load Current	0.072 A	
Tansient Overvoltage	600 V AC	
Surge Current	120 A for 16.6 ms 115 A for 20 ms	
Maximum Voltage Drop	<1.1 V on-state	
Maximum I <sup>2</sup> T For Fusing	66 A².s for 10 ms at 50 Hz 60 A².s for 8.3 ms at 60 Hz	
Maximum Leakage Current	4 mA off-state	
Dv/Dt	500 V/µs off-state at maximum voltage	
Response Time	0.5 cycle (turn-off) 0.1 ms (turn-on)	
Overvoltage Category	Ш	
Width	5 mm	
Height	28 mm	
Depth	15 mm	

Net Weight

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	-2080 °C	
Ambient Air Temperature For Storage	-2085 °C	

## **Packing Units**

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.700 cm
Package 1 Width	2.500 cm
Package 1 Length	37.000 cm
Package 1 Weight	4.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	0.700 cm
Package 2 Width	2.500 cm
Package 2 Length	37.000 cm
Package 2 Weight	61.000 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	1080
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	5.872 kg

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

## Well-being performance

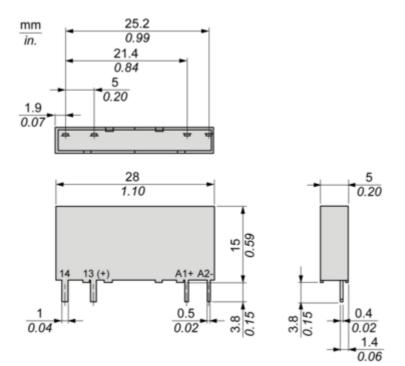
Reach Free Of Svhc
Mercury Free
Rohs Exemption Information Yes

## **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

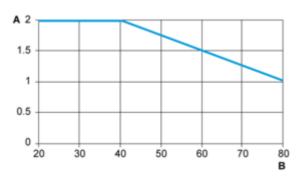
#### **Dimensions Drawings**

#### Dimensions



**Performance Curves** 

#### **Derating Curves**



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