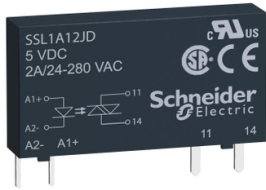


Product datasheet

Specifications



Harmony. Solid state relay. 2 A.
zero voltage switching. input 38...
72 V DC. output 24...280 V AC

SSL1A12ND

Discontinued on: 22 Oct 2021

To be end-of-service on: 31 Dec 2025

Discontinued

Price: 269.77 ZAR

Main

Range Of Product	Harmony Relay
Product Or Component Type	Solid state relay
Device Short Name	SSL
Network Number Of Phases	1 phase

Complementary

Mounting Support	Socket
[In] Rated Current	2 A
Output Voltage	24...280 V AC
[Uc] Control Circuit Voltage	38...72 V DC
Contacts Type And Configuration	1 NO
Capacitance Unbalance	1.5 pF input/output
Minimum Switching Voltage	38 V DC turn-on
Maximum Switching Voltage	28 V DC turn-off
Input Current Limits	4 mA
Input Impedance	20 kOhm
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.07...2 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 I²T For Fusing	285 A².s for 10 ms at 50 Hz 260 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-on) 0.5 cycle (turn-off)
Overvoltage Category	III
Width	5 mm

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: 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

Height	28 mm
Depth	15 mm
Net Weight	0.0041 kg

Environment

Flame Retardance	V0 conforming to UL 94
Dielectric Strength	2500 V for input/output
Pollution Degree	2
Product Certifications	CSA UL
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

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

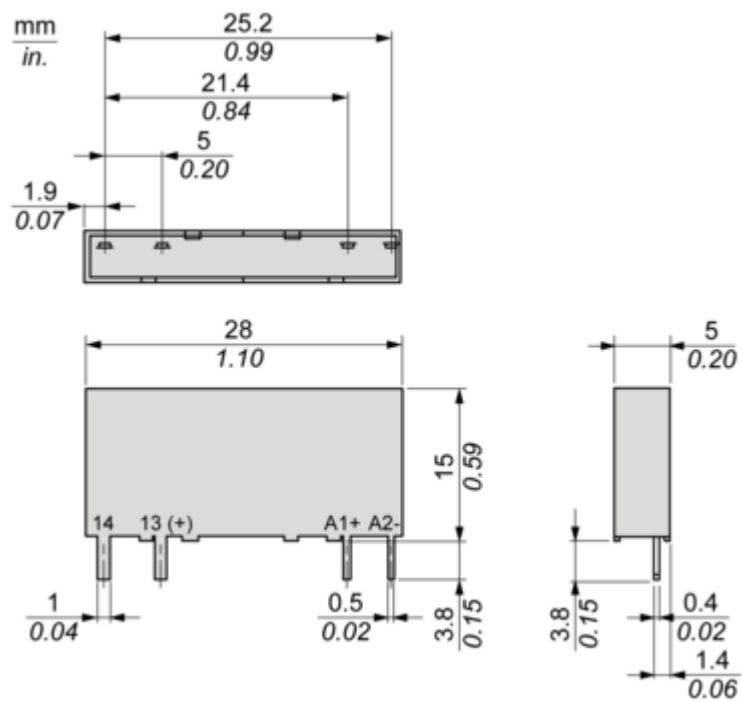
✓	Reach Free Of Svhc	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

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

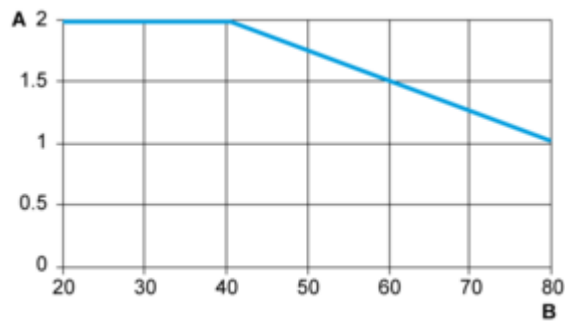
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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