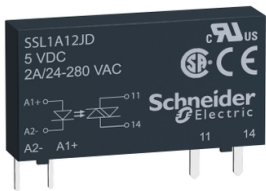


Product data sheet

Specifications



solid state relay, Plug-in, input 38-72 V DC, output 24-280 V AC, 2A

SSL1A12NDR

⚠ Discontinued on: Nov 1, 2020

⚠ End-of-service on: Jun 26, 2021

⚠ Discontinued

Main

Range of product	Harmony 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 impedance	20 kOhm
Solid state output type	SCR output Random voltage switching
Load current	0.07...2 A
Transient 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-off) 0.1 ms (turn-on)
Overvoltage category	III
Width	5 mm
Height	28 mm
Depth	15 mm
Net weight	0.0041 kg

List Price displayed is VAT EXCLUSIVE.

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

Device presentation	Complete product
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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	0.7 cm
Package 1 Width	2.5 cm
Package 1 Length	37 cm
Package 1 Weight	5 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



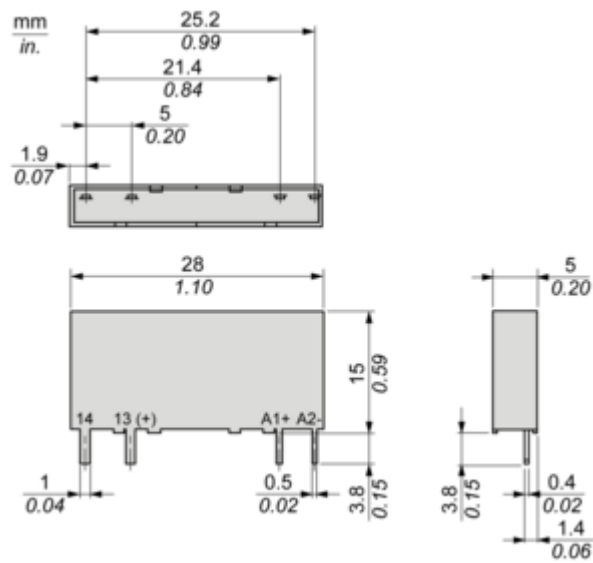
Lifetime extension

Repair

No

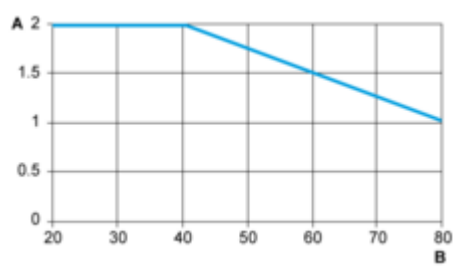
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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

Technical Illustration

Dimensions

