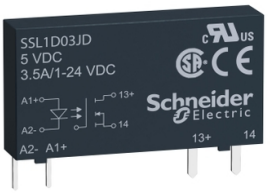
Product data sheet

Specifications

Green Premium™



Harmony, Solid state relay, 3.5 A, DC switching, input 38â€¦72 V DC, output 1...24 V DC

SSL1D03ND

Discontinued on: Jul 14, 2021

End-of-service on: Dec 31, 2021

Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Harmony Relay
Product or Component Type	Solid state relay
Device short name	SSL
Phase	1 phase

Complementary

Mounting Support	Socket
Line Rated Current	3.5 A
Output voltage	1...24 V DC
[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	15 V DC turn-off
Input current limits	3 mA
Input impedance	20 kOhm
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 10 ms
Maximum voltage drop	<0.5 V on-state
Maximum leakage current	0.001 mA off-state
Response time	0.12 ms (turn-on) 0.1 ms (turn-off)
Overvoltage category	III
Width	0.2 in (5 mm)
Height	1.1 in (28 mm)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Depth	0.6 in (15 mm)
Net Weight	0.0090 lb(US) (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	-4…176 °F (-20…80 °C)
Ambient Air Temperature for Storage	-4…185 °F (-20…85 °C)

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
GTIN	3606480579660
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.3 in (0.7 cm)
Package 1 Width	1.0 in (2.5 cm)
Package 1 Length	14.6 in (37 cm)
Package 1 Weight	0.2 oz (5 g)

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-CO_2 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

Mercury Free

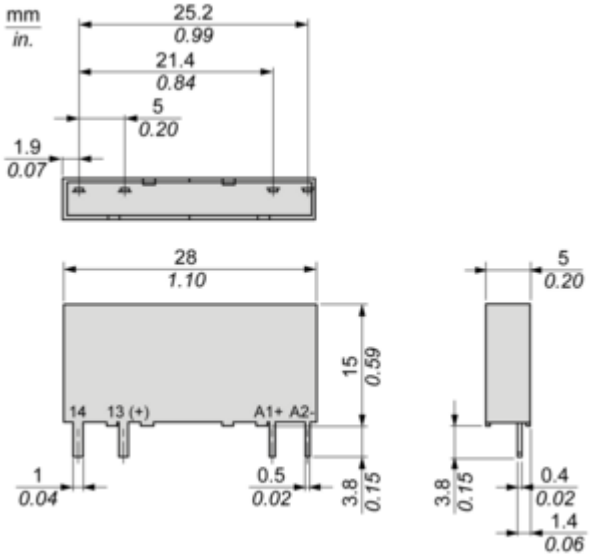
Rohs Exemption Information	Yes

Certifications & Standards

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

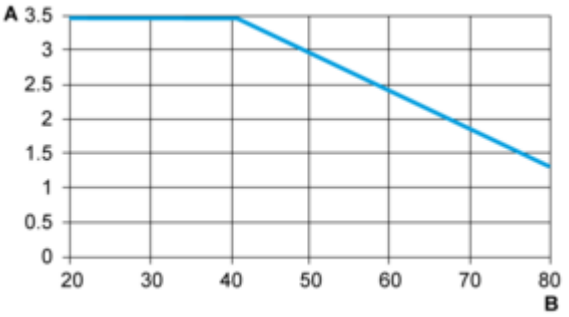
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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