Product data sheet

Specifications





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

SSL1A12ND

- Discontinued on: Jul 14, 2021 () Discontinued
 - (!) End-of-service on: Dec 31, 2021

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

Complementary	
Mounting Support	Socket
Line Rated Current	2 A
Output Voltage	24280 V AC
[Uc] Control Circuit Voltage	3872 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	0.072 A
Tansient Overvoltage	600 V AC
Surge Current	120 A 16.6 ms 115 A 20 ms
Maximum Voltage Drop	<1.1 V on-state
Maximum I ² T For Fusing	285 A ² .s for 10 ms at 50 Hz 260 A ² .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)

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

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

Overvoltage Category	III
Width	0.20 in (5 mm)
Height	1.10 in (28 mm)
Depth	0.59 in (15 mm)
Net Weight	0.01 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	-4176 °F (-2080 °C)	
Ambient Air Temperature For Storage	-4185 °F (-2085 °C)	

Ordering and shipping details

Category	US10CP222375	
Discount Schedule	0CP2	
Gtin	3606480579745	
Returnability	No	
Country Of Origin	MX	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Sustainability Screen Premium

Green PremiumTM 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-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

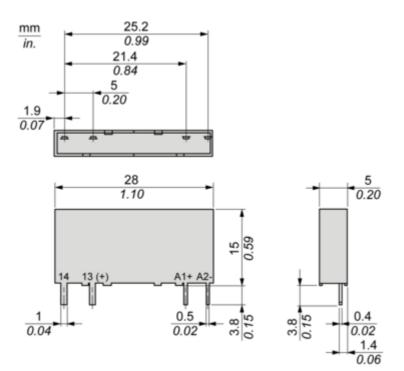
Certifications & Standards

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
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

Product data sheet

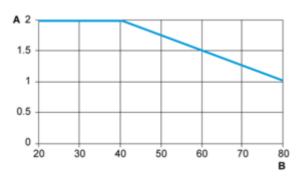
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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