Product datasheet

Specifications





plug in relay, Harmony Solid State Slim Relays, 2A, zero voltage switching, input 3 to 12V DC, output 24 to 280V AC

SSL1A12JD

Main

Range Of Product	Harmony Solid State Relays	
Product Or Component Type	Plug-in relay	
Device Short Name	SSL	
Network Number Of Phases	1 phase	
Output Switching Mode	Zero voltage switching	

Complementary	
Mounting Support	Socket
[In] Rated Current	2 A
Output Voltage	24280 V AC
[Uc] Control Circuit Voltage	312 V DC
Capacitance Unbalance	1.5 pF input/output
Minimum Switching Voltage	3 V DC turn-on
Maximum Switching Voltage	1 V DC turn-off
Input Current Limits	15 mA
Input Impedance	333 kOhm
Solid State Output Type	Random voltage switching SCR output
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 ² T For Fusing	66 A ² .s for 10 ms at 50 Hz 60 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)
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	CSA UL	
Marking	CE	
Ambient Air Temperature For Operation	-2080 °C	
Ambient Air Temperature For Storage	-2085 °C	

Packing Units

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.5 cm
Package 1 Width	2 cm
Package 1 Length	2.8 cm
Package 1 Weight	4 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	0.7 cm
Package 2 Width	2.5 cm
Package 2 Length	37 cm
Package 2 Weight	61 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	1080
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	5.74 kg

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

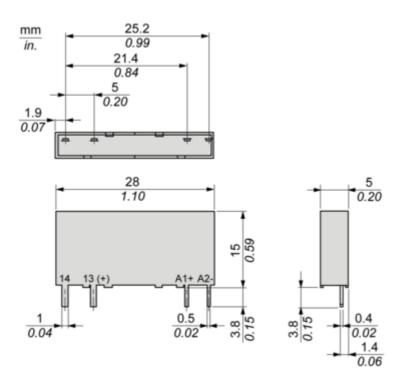
Certifications & Standards

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

Product datasheet

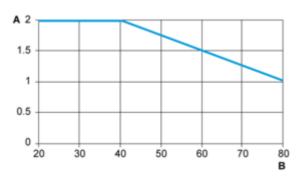
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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