

Product datasheet

Specifications



Harmony. Solid state relay pre assembled. 2 A. zero voltage switching. screw sockets. input 4...12 V DC. output 24...250 V AC

SSL1A12JDPV

Price: 610.42 ZAR

Main

Range Of Product	Harmony Solid State Relays
Product Or Component Type	Solid state relay up to 10 A
Device Short Name	SSL
Network Number Of Phases	1 phase
Output Switching Mode	Zero voltage switching

Complementary

Mounting Support	Screw socket
[In] Rated Current	2 A
Clamping Force	< 0.5 N.m 4.4 lb-in
Connections - Terminals	Flexible cable with cable end, clamping capacity: 0.2...2.5 mm ² (AWG 24...AWG 14) Solid cable with cable end, clamping capacity: 0.2...2.5 mm ² (AWG 24...AWG 14)
Capacitance Unbalance	1.5 pF input/output
Minimum Switching Voltage	4 V DC turn-on
Maximum Switching Voltage	1 V DC turn-off
Input Impedance	333 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 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)
Overvoltage Category	III
Width	6.2 mm
Height	96.5 mm
Depth	79.5 mm

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

Net Weight	0.0285 kg
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Environment

Flame Retardance	V0 conforming to UL 94
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Dielectric Strength	2500 V for input/output
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Pollution Degree	2
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Standards	IEC 60950-1 IEC 61000 IEC 62314 IEC 61984 EN 61984
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Product Certifications	UL CSA CE UL 508 CSA22.2 No. 14-10 GOST
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Marking	CURus CSA CE EAC
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Ip Degree Of Protection	IP20
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Ambient Air Temperature For Operation	-20...70 °C
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Ambient Air Temperature For Storage	-20...85 °C
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Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	8.13 cm
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Package 1 Width	0.76 cm
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Package 1 Length	9.91 cm
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Package 1 Weight	0.03 kg
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Unit Type Of Package 2	BB1
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Number Of Units In Package 2	30
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Package 2 Height	9 cm
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Package 2 Width	10 cm
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Package 2 Length	20 cm
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Package 2 Weight	890 g
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Unit Type Of Package 3	S03
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Number Of Units In Package 3	60
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Package 3 Height	30 cm
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Package 3 Width	30 cm
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Package 3 Length	40 cm
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Package 3 Weight	2.704 kg
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Contractual warranty

Warranty	18 Months
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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](#)

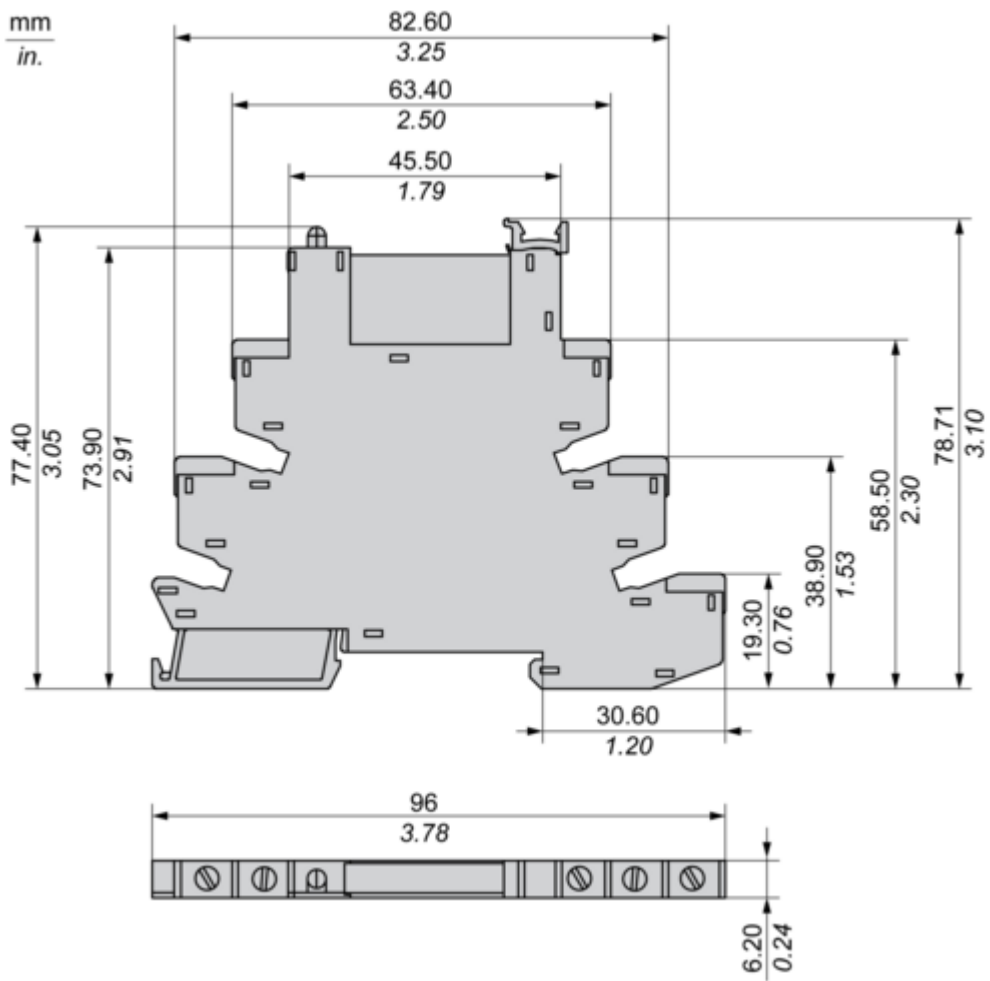
Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

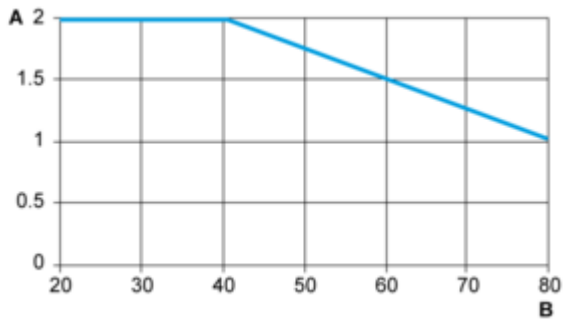
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)