

# Product datasheet

Specifications



Harmony. Solid state relay pre assembled. 3.5 A. DC switching. screw sockets. input 16...30 V DC. output 1...24 V DC

SSL1D03BDPV

**Price: 716.07 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	DC switching

## Complementary

Mounting Support	Screw socket
[In] Rated Current	3.5 A
Output Voltage	1...24 V DC
[Uc] Control Circuit Voltage	16...30 V DC
Clamping Force	< 0.5 N.m 4.4 lb-in
Connections - Terminals	Flexible cable with cable end,clamping capacity: 0.2...2.5 mm <sup>2</sup> (AWG 24...AWG 14) Solid cable with cable end,clamping capacity: 0.2...2.5 mm <sup>2</sup> (AWG 24...AWG 14)
Capacitance Unbalance	1.5 pF input/output
Minimum Switching Voltage	16 V DC turn-on
Maximum Switching Voltage	5 V DC turn-off
Input Impedance	2.67 kOhm
Solid State Output Type	Mosfet output DC switching
Load Current	0.001...3.5 A
Tansient Overvoltage	30 V DC
Surge Current	9 A for 10 ms
Maximum Voltage Drop	<0.5 V on-state
Maximum Leakage Current	0.001 mA off-state
Response Time	0.25 ms (turn-on) 0.12 ms (turn-off)
Overvoltage Category	III
Width	6.2 mm
Height	96.5 mm
Depth	79.5 mm
Net Weight	0.0285 kg

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

## Environment

Flame Retardance	V0 conforming to UL 94
Dielectric Strength	2500 V for input/output
Pollution Degree	2
Standards	IEC 60950-1 IEC 61000 IEC 62314 IEC 61984 EN 61984
Product Certifications	UL CSA CE UL 508 CSA22.2 No. 14-10 GOST
Marking	CURus CSA CE EAC
Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	-20...70 °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	0.800 cm
Package 1 Width	8.000 cm
Package 1 Length	9.500 cm
Package 1 Weight	27.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	30
Package 2 Height	9.000 cm
Package 2 Width	10.200 cm
Package 2 Length	20.000 cm
Package 2 Weight	887.000 g
Unit Type Of Package 3	S03
Number Of Units In Package 3	270
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	8.870 kg

## 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-CO<sub>2</sub> 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](#)

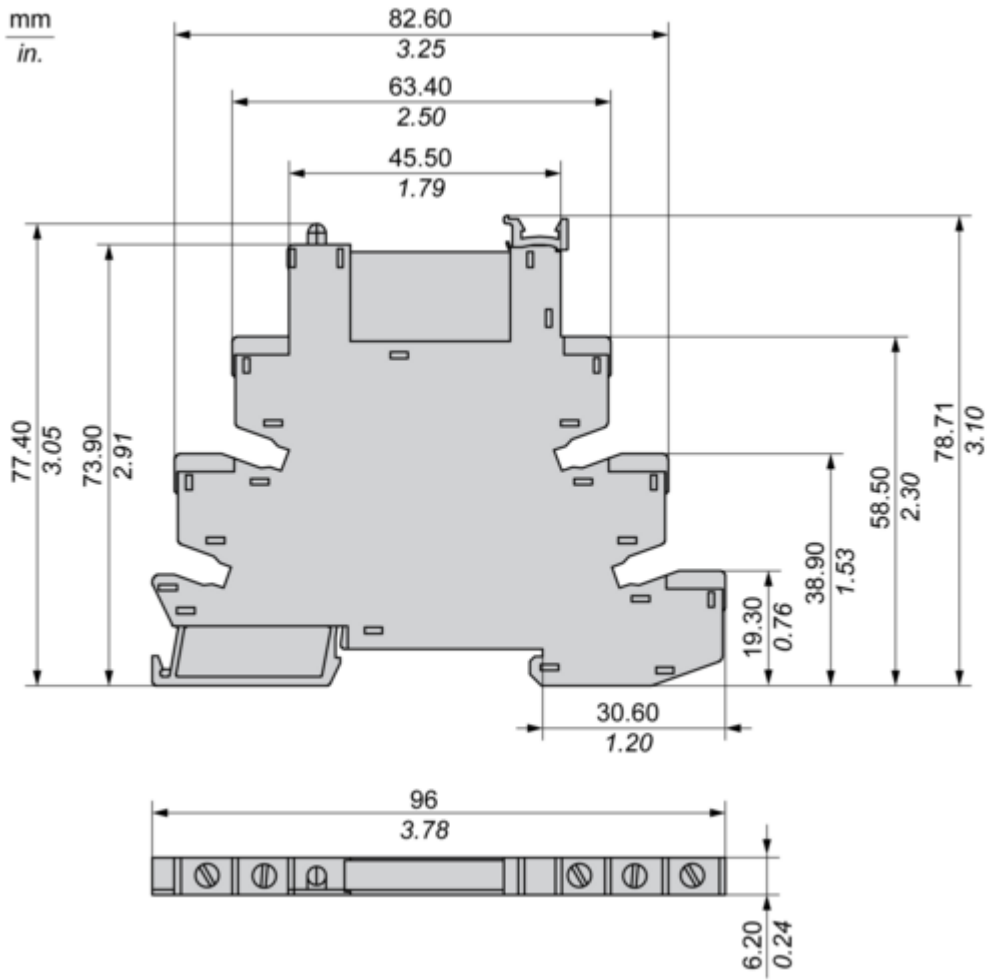
Environmental Disclosure [Product Environmental Profile](#)

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

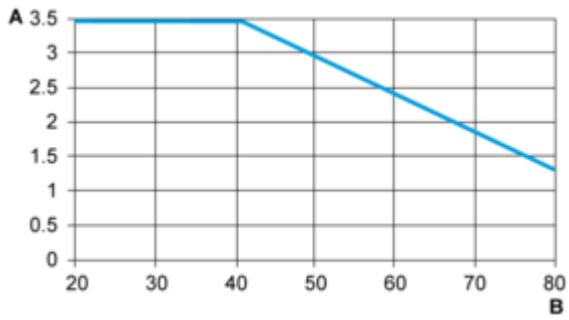
Dimensions



Performance Curves

Derating Curves

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A : Load Current (Amperes)

B : Ambient Temperature (°C)