

Product datasheet

Specifications



Harmony. Solid state relay pre assembled. 0.1 A. DC switching. spring sockets. input 4...12 V DC. output 1...48 V DC

SSL1D101JDPR

! Discontinued

! Discontinued on: 07 Aug 2023

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	Spring socket
[In] Rated Current	0.1 A
Output Voltage	1...48 V DC
Clamping Force	10...40 N.m
Connections - Terminals	Flexible cable with cable end,clamping capacity: 0.2...1.5 mm² (AWG 24...AWG 16) Solid cable with cable end,clamping capacity: 0.2...1.5 mm² (AWG 24...AWG 16)
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	833 Ohm
Solid State Output Type	Transistor output DC switching
Load Current	0.001...0.1 A
Tansient Overvoltage	60 V DC
Surge Current	0.3 A for 10 ms
Maximum Voltage Drop	<1 V on-state
Maximum Leakage Current	0.001 mA off-state
Response Time	0.12 ms (turn-off) 0.1 ms (turn-on)
Overvoltage Category	III
Width	6.2 mm
Height	104.6 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"

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

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	10.04 cm
Package 1 Width	0.625 cm
Package 1 Length	7.9 cm
Package 1 Weight	33.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	30
Package 2 Height	9.0 cm
Package 2 Width	11.0 cm
Package 2 Length	20.0 cm
Package 2 Weight	1.04 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	60
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	2.752 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-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

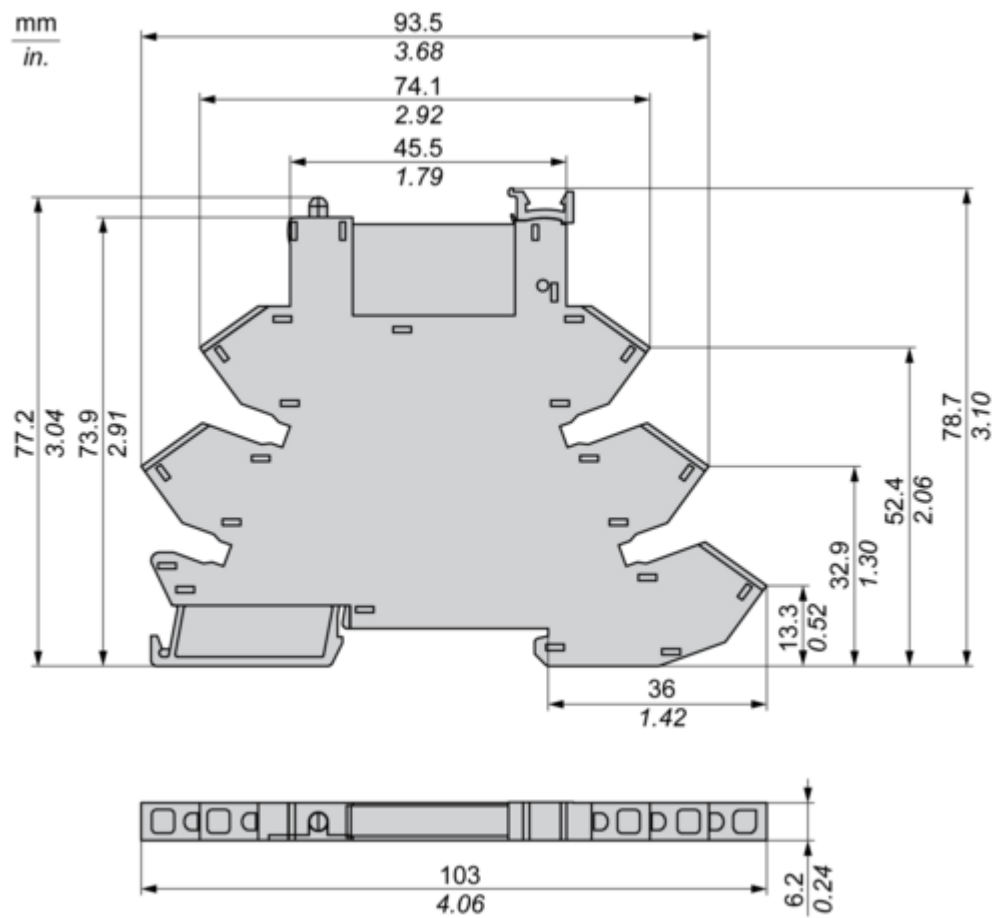
✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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

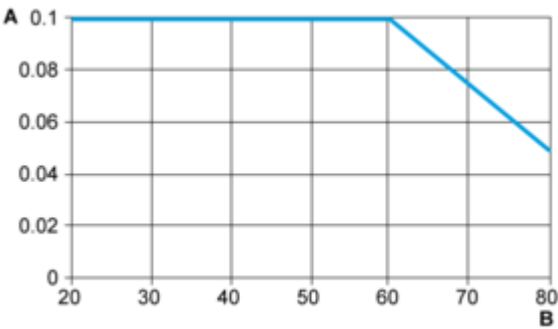
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



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