

# Product data sheet

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

## 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 mm <sup>2</sup> (AWG 24...AWG 16) Solid cable with cable end, clamping capacity: 0.2...1.5 mm <sup>2</sup> (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

## 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 Weight 33 g

Package 1 Height 10.04 cm

Package 1 width 0.625 cm

Package 1 Length 7.9 cm

Unit Type of Package 2 BB1

Number of Units in Package 2 30

Package 2 Weight 1.04 kg

Package 2 Height 9 cm

Package 2 width 11 cm

Package 2 Length 20 cm

Unit Type of Package 3 S03

Number of Units in Package 3 60

Package 3 Weight 2.752 kg

Package 3 Height 30 cm

Package 3 width 30 cm

Package 3 Length 40 cm

## Offer Sustainability

Sustainable offer status Green Premium product

REACH Regulation [REACH Declaration](#)

REACH free of SVHC Yes

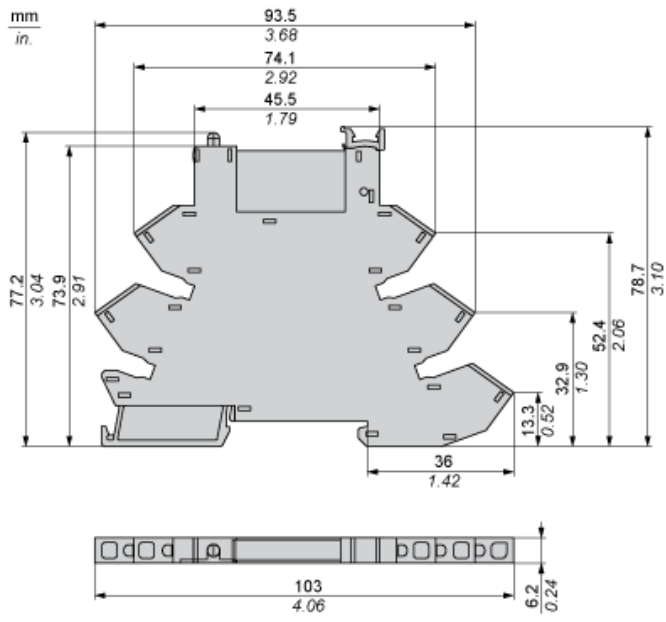
EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)  
[EU RoHS Declaration](#)

<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

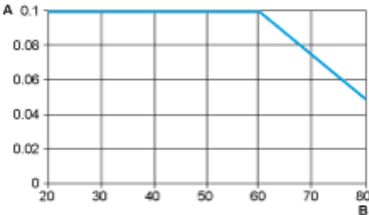
<b>Warranty</b>	18 Months
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Dimensions



**Derating Curves**

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