

# SSL1D03JDPV

Solid state relay pre assembled, 3.5 A, DC switching, screw sockets, input 4...12 V DC, output 1...24 V DC



## Main

Range of product	Harmony Relay
Product or component type	Solid state relay
Device short name	SSL
Network number of phases	1 phase

## Complementary

Mounting support	Screw socket
[In] rated current	3.5 A
Output voltage	1...24 V DC
Contacts type and configuration	1 NO
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	4 V DC turn-on
Maximum switching voltage	1 V DC turn-off
Input impedance	500 Ohm
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	0.12 ms (turn-off) 0.1 ms (turn-on)
Overvoltage category	III
Width	6.2 mm
Height	96.5 mm

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

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 REACH CSA CE RoHS UL 508 CSA22.2 No. 14-10 GOST
Marking	CURus CSA CE China RoHS EAC
IP degree of protection	IP20
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-20...85 °C

## Packing Units

Package 1 Weight	33.000 g
Package 1 Height	96.500 mm
Package 1 width	6.250 mm
Package 1 Length	79.000 mm

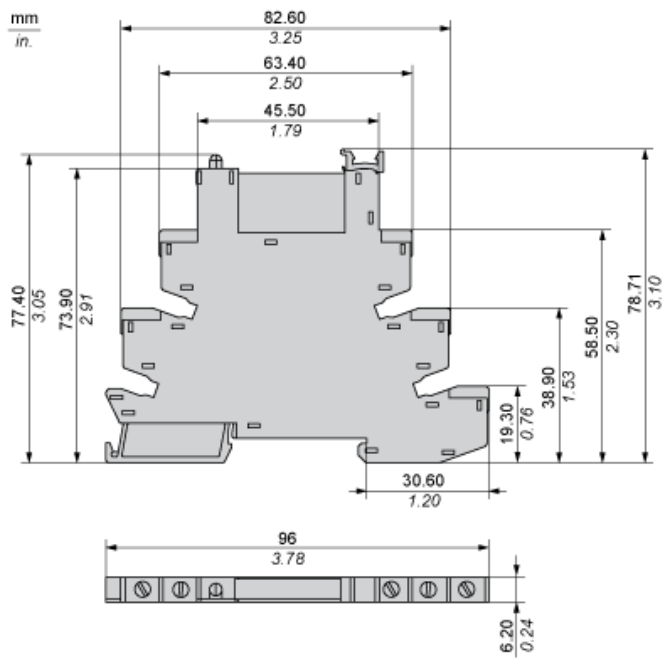
## Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

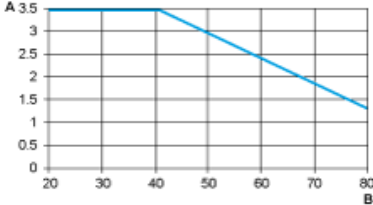
## Contractual warranty

Warranty	18 Months
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Dimensions



Derating Curves



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