Product data sheet
Characteristics

SSL1D03BDPV
Solid state relay pre assembled, 3.5 A, DC switching, screw sockets, input 16…30 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
[Uc] control circuit voltage	16...30 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 mm² (AWG 24...AWG 14) Solid cable with cable end,clamping capacity: 0.2...2.5 mm² (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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

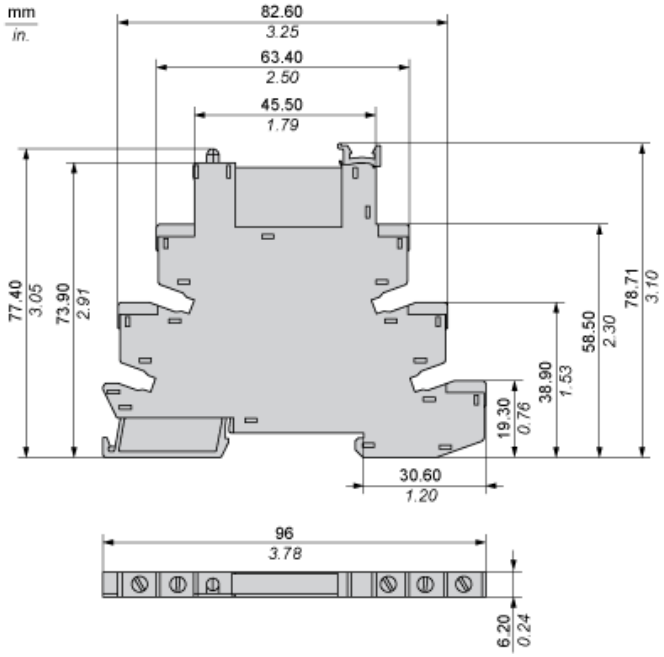
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product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

Contractual warranty

Warranty	18 Months

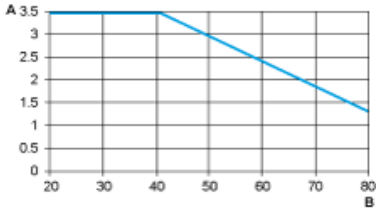
SSL1D03BDPV

Dimensions



SSL1D03BDPV

Derating Curves



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