Product data sheet

Specifications



pre assembled relay, Harmony Solid State Relays , 3.5A, DC switching, spring sockets, input 4 to 12V DC, output 1 to 24V DC

SSL1D03JDPR

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony Solid State Relays
Device short name	SSL
Phase	1 phase
[Uc] control circuit voltage	4...12 V
Connections - Terminals	Spring terminals
Output switching mode	DC switching

Complementary

Mounting Support	Spring socket
Line Rated Current	3.5 A
Output voltage	1...24 V DC
[Uc] control circuit voltage	4...12 V DC
CLAMPING FORCE	10...40 N.m
Connections - terminals	Flexible cable with cable end, 0.2...1.5 mm² 24 AWG...16 AWG) Solid cable with cable end, 0.2...1.5 mm² 24 AWG...16 AWG)
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
Transient Overvoltage	30 V DC
Surge current	9 A 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	0.2 in (6.2 mm)
Height	4.1 in (104.6 mm)
Depth	3.1 in (79.5 mm)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Net Weight	0.0628 lb(US) (0.0285 kg)
Device presentation	Complete product

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	-4…158 °F (-20…70 °C)
Ambient Air Temperature for Storage	-4…185 °F (-20…85 °C)

Ordering and shipping details

Category	US10CP221127
Discount Schedule	0CP2
GTIN	3606489563011
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.953 in (10.040 cm)
Package 1 Width	0.246 in (0.625 cm)
Package 1 Length	3.110 in (7.900 cm)
Package weight(Lbs)	0.952 oz (27.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	3.661 in (9.300 cm)
Package 2 Width	4.331 in (11.000 cm)
Package 2 Length	7.874 in (20.000 cm)
Package 2 Weight	31.111 oz (882.000 g)
Unit Type of Package 3	S03

Number of Units in Package 3	60
Package 3 Height	11.8 in (30 cm)
Package 3 Width	11.8 in (30 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	6.376 lb(US) (2.892 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**16 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.8 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**15 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**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 www.P65Warnings.ca.gov**

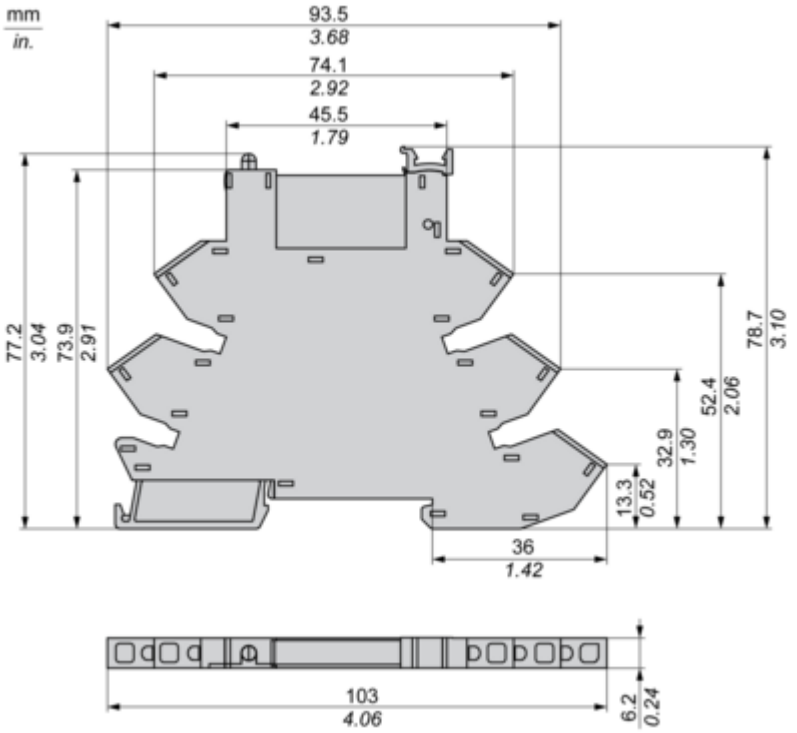
Use Again

Repack and remanufacture

Recyclability potential, in %	**27**
Take-back	**No**

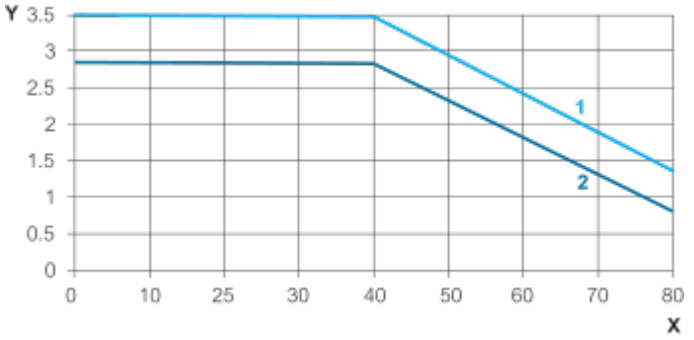
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



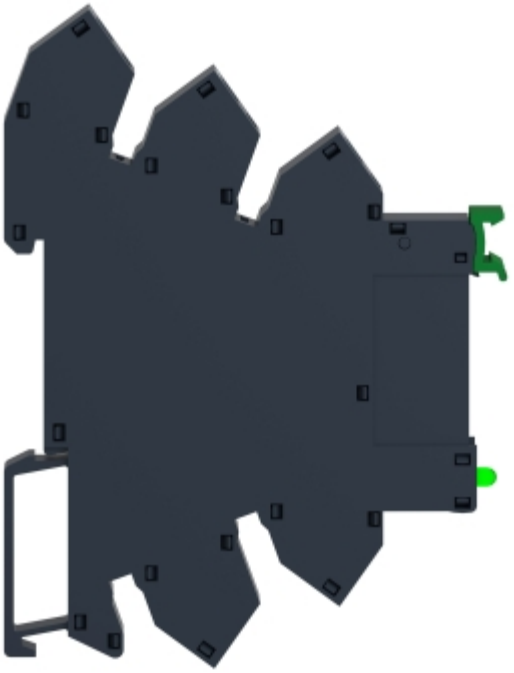
X : Ambient Temperature (°C)
Y : Load Current (Amperes)
1 : Installed single unit, distance to adjacent components more than 6.2 mm
2 : Multiple units, no minimum spacing between components

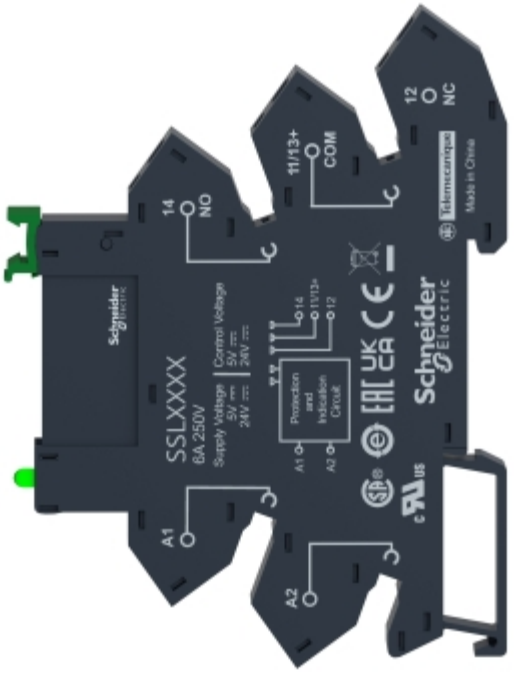
Image of product / Alternate images

Alternative








14
NO
11/13+
COM
12
NC
SSLXXXX
6A 250V
Supply Voltage
Control Voltage
5V
24V
Protection and Indication Circuit
A1
A2
Schneider Electric
Made in China



