

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

Main

Range of product Harmony Solid State Relays

Device short name SSL

Network number of phases 1 phase

[Uc] control circuit voltage 4...12 V

Connections - terminals Spring terminals

Output switching mode DC switching

Complementary

Mounting support Spring socket

[In] 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,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 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 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 104.6 mm

Depth 79.5 mm

Product weight 0.0285 kg

Device presentation	Complete product
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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	10.040 cm
Package 1 Width	0.625 cm
Package 1 Length	7.900 cm
Package 1 Weight	27.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	9.300 cm
Package 2 Width	11.000 cm
Package 2 Length	20.000 cm
Package 2 Weight	882.000 g
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	2.892 kg

Contractual warranty

Warranty	18 Months
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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

Use Better

Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

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

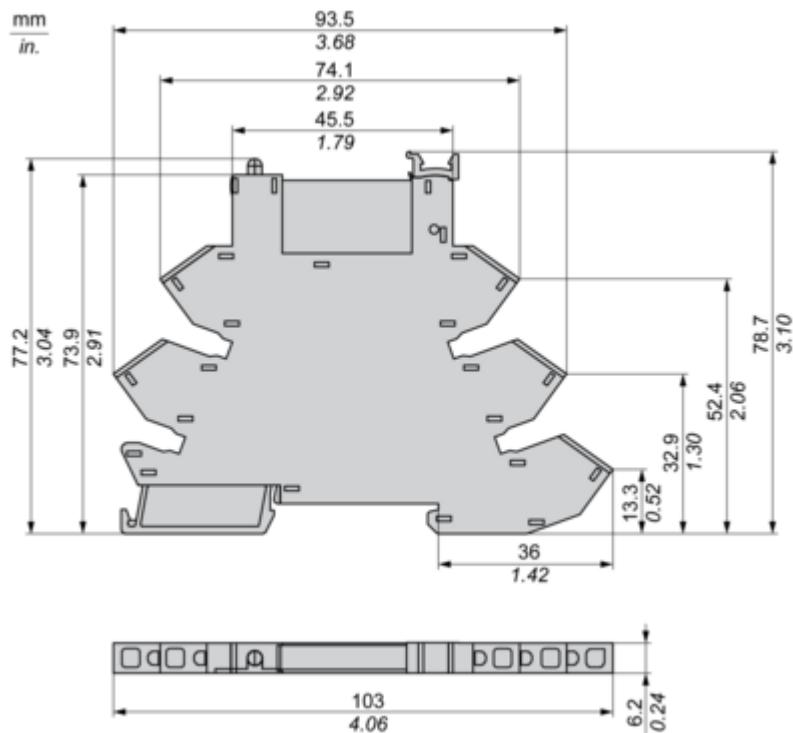
Repack and remanufacture

Take-back

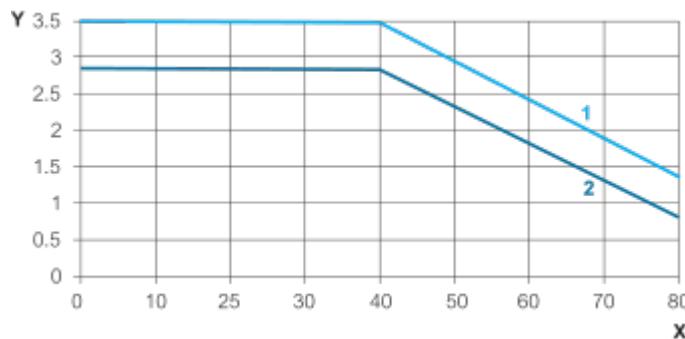
No

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

Technical Illustration

Dimensions

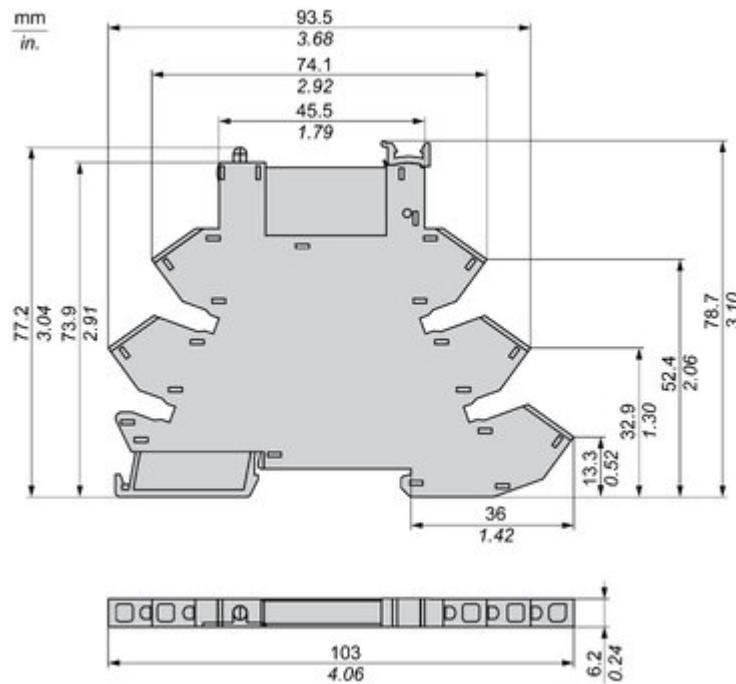


Image of product / Alternate images

Alternative



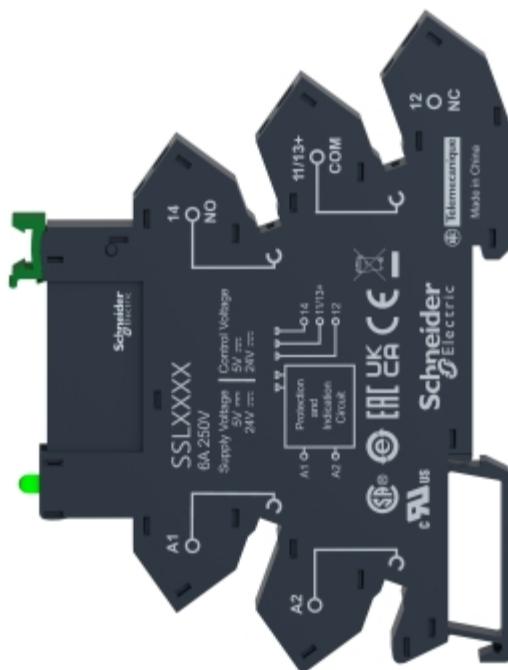
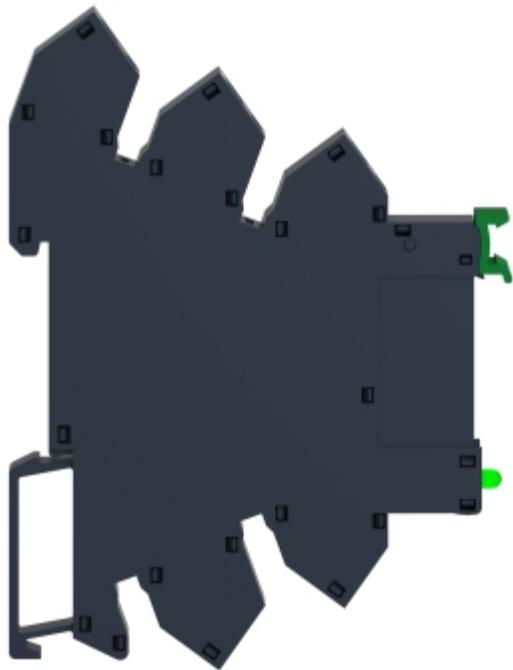




Image of product in real life situation

