Product data sheet

Specifications

Solid state relay pre assembled, Harmony, 3.5A, DC switching, spring sockets, input 16…30V DC, output 1...24V DC _

SSL1D03BDPR

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	16...30 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	16...30 V DC
CLAMPING FORCE	10...40 N.m
Connections - terminals	Flexible cable with cable end, 0.2...1.5 mm² AWG 24...AWG 16) Solid cable with cable end, 0.2...1.5 mm² AWG 24...AWG 16)
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
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	0.25 ms (turn-on) 0.12 ms (turn-off)
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.

Product 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	3606489563059
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.28 in (0.700 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	4.13 in (10.500 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	3.62 in (9.200 cm)
Package 2 Width	4.33 in (11.000 cm)
Package 2 Length	7.87 in (20.000 cm)
Package 2 Weight	31.464 oz (892.000 g)
Unit Type of Package 3	S03

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Number of Units in Package 3	270
Package 3 Height	11.81 in (30.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	19.246 lb(US) (8.730 kg)

Contractual warranty

Warranty	18 Months

🌿 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

Carbon footprint (kg CO2 eq, Total Life cycle)	**18**

Use Better

⬚ Materials and Substances

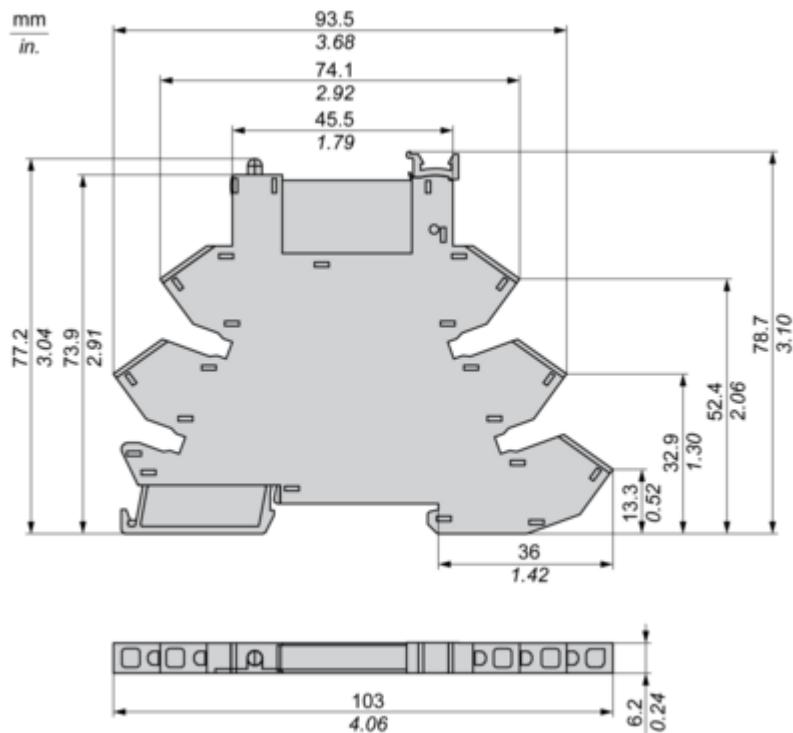|	
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

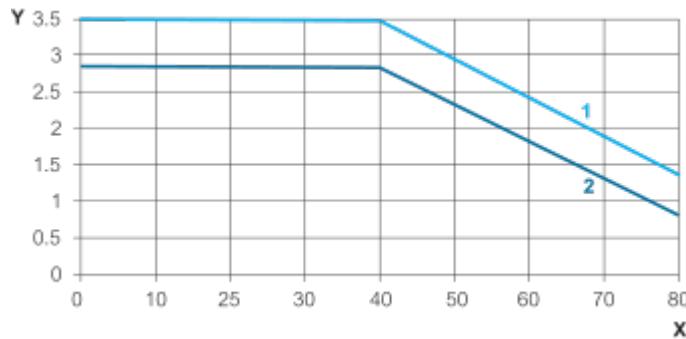## Use Again

↻ 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
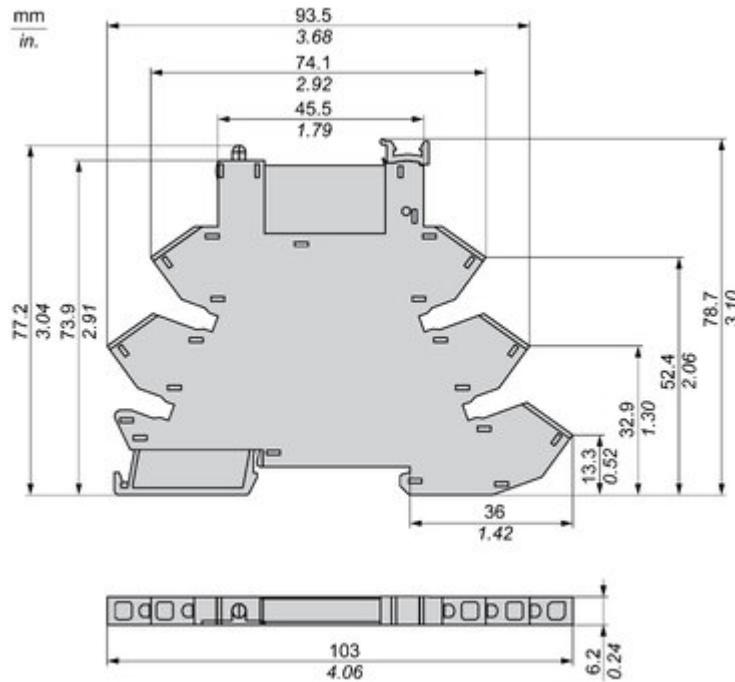
Technical Illustration

Dimensions
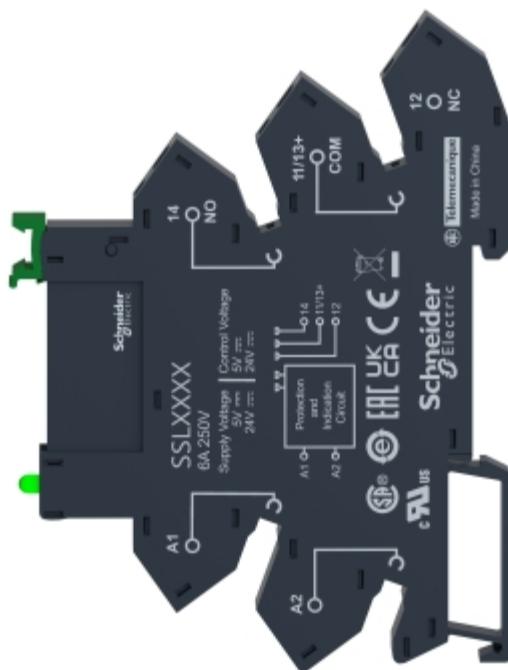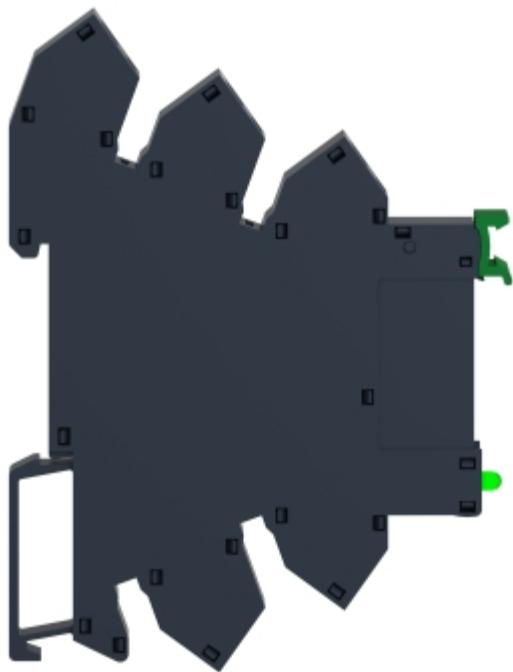
Image of product / Alternate images

Alternative

Aug 30, 2025

Aug 30, 2025

Image of product in real life situation