Specifications





Solid state relay, 3.5 A, DC switching, input 15...30 V DC, output 1...24 V DC

Local distributor code: 403013652

SSL1D03BD

EAN Code: 3606480579653

Main

Range of product	Harmony Solid State Relays	
Product or component type	Plug-in relay	
Device short name	SSL	
Network number of phases	1 phase	
Output switching mode	DC switching	

Complementary

Complementary	
Mounting support	Socket
[In] rated current	3.5 A
Output voltage	124 V DC
[Uc] control circuit voltage	1530 V DC
Capacitance unbalance	1.5 pF input/output
Minimum switching voltage	15 V DC turn-on
Maximum switching voltage	10 V DC turn-off
Input current limits	7 mA
input impedance	3500 Ohm
Solid state output type	Mosfet output DC switching
Load current	0.0013.5 A
tansient Overvoltage	30 V DC
Maximum operating frequency	500 Hz
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	0.35 ms (turn-on) 0.08 ms (turn-off)
Overvoltage category	Ш
Width	5 mm
Height	28 mm
Depth	15 mm
Product weight	0.0041 kg

Environment

Flame retardance	V0 conforming to UL 94
Dielectric strength	2500 V for input/output
Pollution degree	2
Product certifications	UL CSA
Marking	CE
Ambient air temperature for operation	-2080 °C
Ambient air temperature for storage	-2085 °C

Packing Units

-	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	0.5 cm
Package 1 Length	2.8 cm
Package 1 Weight	5 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	0.7 cm
Package 2 Width	2.5 cm
Package 2 Length	37 cm
Package 2 Weight	64 g
Unit Type of Package 3	S01
Number of Units in Package 3	1080
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	6.042 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



Rohs Exemption Information

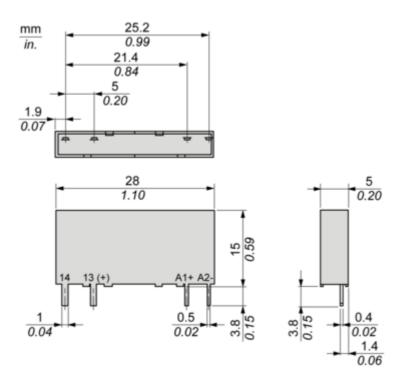
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Product datasheet

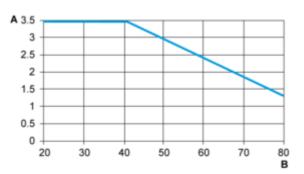
Dimensions Drawings

Dimensions



Performance Curves

Derating Curves



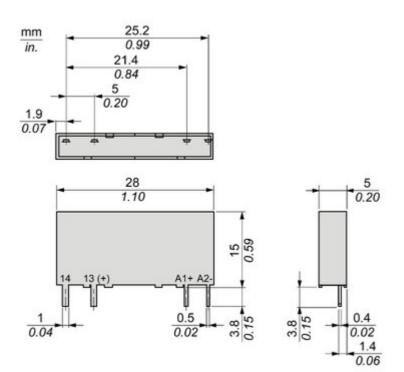
A : Load Current (Amperes)

B : Ambient Temperature (°C)

Product datasheet

Technical Illustration

Dimensions



Product datasheet

Image of product / Alternate images

Alternative





