Product data sheet
Characteristics

SSL1D101JDPV
pre-assembled relay, Harmony Solid State Relays, 0.1A, DC switching, screw sockets, input 4…12V DC, output 1...48V DC



Main

Range of Product	Harmony Solid State Relays
Product or Component Type	Solid state relay up to 10 A
Device short name	SSL
Phase	1 phase
Output switching mode	DC switching

Complementary

Mounting Support	Screw socket
Line Rated Current	0.1 A
Output voltage	1...48 V DC
CLAMPING FORCE	< 0.5 N.m 4.4 lb-in
Connections - terminals	Flexible cable with cable end, 0.2...2.5 mm² AWG 24...AWG 14) Solid cable with cable end, 0.2...2.5 mm² AWG 24...AWG 14)
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	833 Ohm
Solid state output type	Transistor output DC switching
Load current	0.001…0.1 A
Tansient Overvoltage	60 V DC
Surge current	0.3 A 10 ms
Maximum voltage drop	<1 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	0.24 in (6.2 mm)
Height	3.80 in (96.5 mm)
Depth	3.13 in (79.5 mm)
Net Weight	0.06 lb(US) (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.
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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	-4…158 °F (-20…70 °C)
Ambient Air Temperature for Storage	-4…185 °F (-20…85 °C)

Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606489562946
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.80 in (9.65 cm)
Package 1 Width	0.25 in (0.625 cm)
Package 1 Length	3.11 in (7.9 cm)
Package 1 Weight	1.16 oz (33.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	3.54 in (9.0 cm)
Package 2 Width	3.94 in (10.0 cm)
Package 2 Length	7.87 in (20.0 cm)
Package 2 Weight	2.29 lb(US) (1.04 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Height	11.81 in (30.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	6.07 lb(US) (2.754 kg)

Offer Sustainability

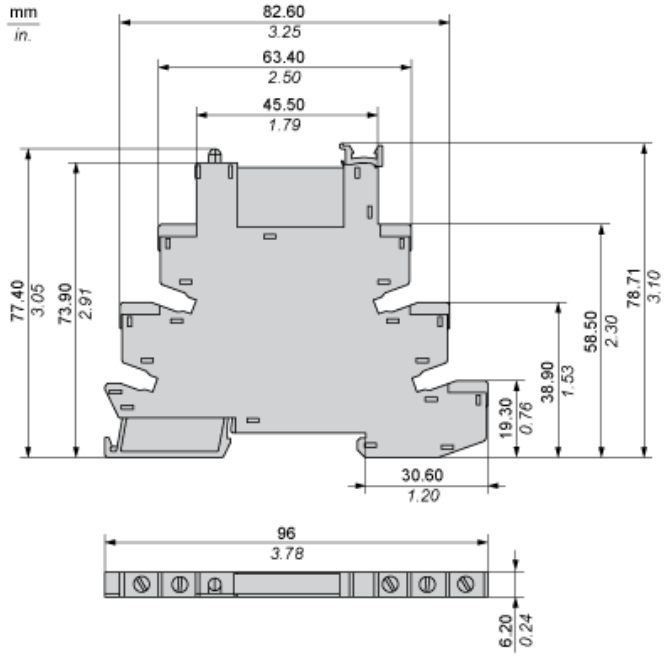
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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

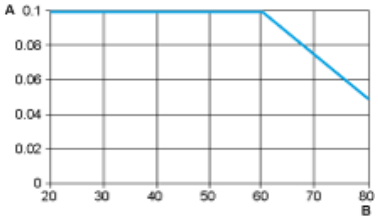
SSL1D101JDPV

Dimensions



SSL1D101JDPV

Derating Curves



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