

SSL1D101BDPV

Harmony. Solid state relay pre assembled. 0.1 A. DC switching. screw sockets. input 16...30 V DC. output 1...48 V DC



Main

Range of product	Harmony Solid State Relays
Product or component type	Solid state relay up to 10 A
Device short name	SSL
Network number of phases	1 phase
Output switching mode	DC switching

Complementary

Mounting support	Screw socket
[In] rated current	0.1 A
Output voltage	1...48 V DC
[Uc] control circuit voltage	16...30 V DC
CLAMPING FORCE	< 0.5 N.m 4.4 lb-in
Connections - terminals	Flexible cable with cable end,clamping capacity: 0.2...2.5 mm ² (AWG 24...AWG 14) Solid cable with cable end,clamping capacity: 0.2...2.5 mm ² (AWG 24...AWG 14)
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	3.43 kOhm
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 for 10 ms
Maximum voltage drop	<1 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	6.2 mm
Height	96.5 mm
Depth	79.5 mm
Net weight	0.0285 kg

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[RETURN]CSA[RETURN]CE[RETURN]JUL 508[RETURN]CSA22.2 No. 14-10[RETURN]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	0.6 cm
Package 1 Width	8.0 cm
Package 1 Length	9.7 cm
Package 1 Weight	27.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	9.0 cm
Package 2 Width	10.0 cm
Package 2 Length	20.0 cm
Package 2 Weight	886.0 g
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	2.744 kg

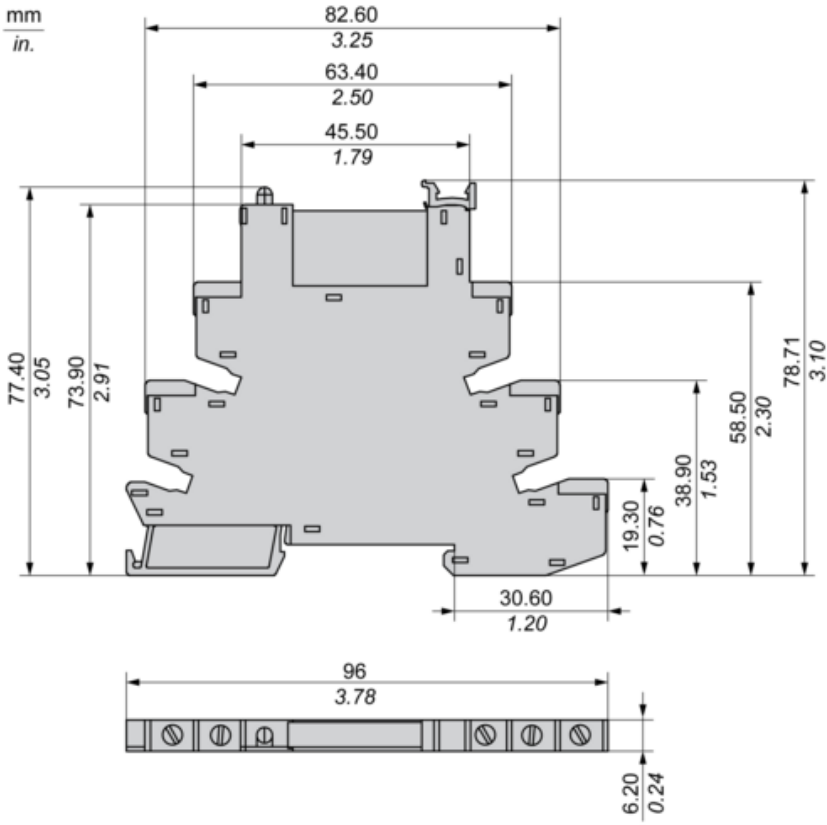
Offer Sustainability

Sustainable offer status	Green Premium product
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

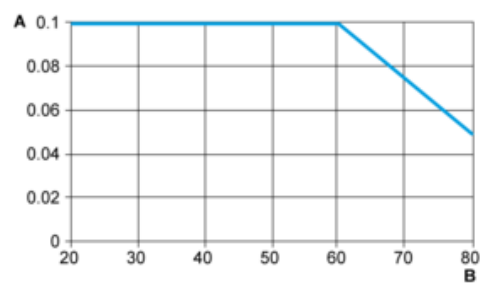
Contractual warranty

Warranty	18 Months
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Dimensions



Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)