Product data sheet
Characteristics

SSL1A12JDPV
Harmony, Solid state relay pre assembled, 2 A, zero voltage switching, screw sockets, input 4…12 V DC, output 24...250 V AC

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	Zero voltage switching

Complementary

Mounting Support	Screw socket
Line Rated Current	2 A
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	333 kOhm
Solid state output type	Zero voltage switching SCR output
Load current	0.07…2 A
Tansient Overvoltage	600 V AC
Surge current	120 A 16.6 ms 115 A 20 ms
Maximum voltage drop	<1.1 V on-state
Maximum I²t for fusing	285 A².S for 10 ms at 50 Hz 260 A².s for 8.3 ms at 60 Hz
Maximum leakage current	4 mA off-state
DV/dt	500 V/µs off-state at maximum voltage
Response time	0.5 cycle (turn-on) 0.5 cycle (turn-off)
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)

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	3606489562953
Nbr. of units in pkg.	1
Package weight(Lbs)	0.95 oz (27.0 g)
Returnability	Yes

Packing Units

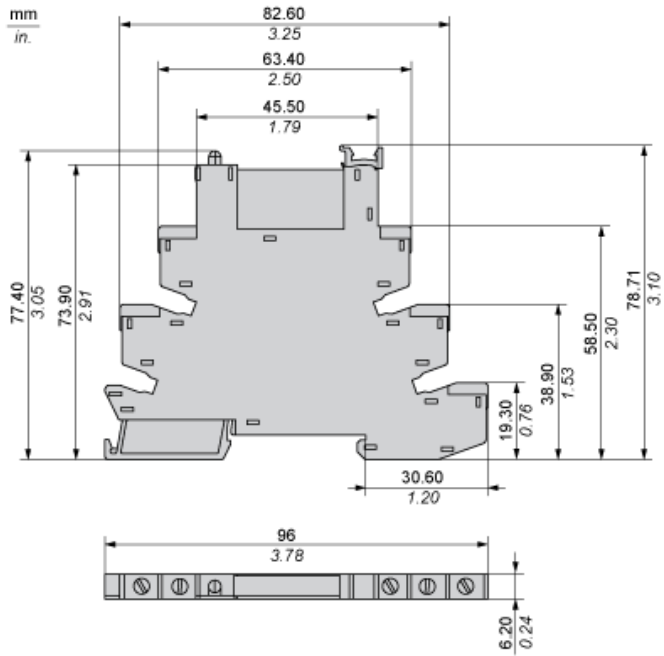|	
Unit Type of Package 1	PCE
Package 1 Height	0.24 in (0.6 cm)
Package 1 width	3.15 in (8 cm)
Package 1 Length	3.82 in (9.7 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Weight	31.39 oz (890.0 g)
Package 2 Height	3.54 in (9 cm)
Package 2 width	3.94 in (10 cm)
Package 2 Length	7.87 in (20 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	60
Package 3 Weight	5.96 lb(US) (2.704 kg)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

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
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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
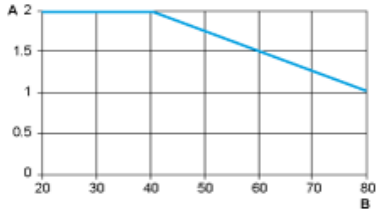
Warranty	18 Months

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Dimensions

Derating Curves

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