

# SSL1A12BDRPR

Harmony, Solid state relay pre assembled, 2 A, random switching, spring sockets, input 16...30 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	Random voltage switching

## Complementary

Mounting Support	Spring socket
Line Rated Current	2 A
[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 mm <sup>2</sup> AWG 24...AWG 16) Solid cable with cable end, 0.2...1.5 mm <sup>2</sup> 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	3.43 kOhm
Solid state output type	SCR output Random voltage switching
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 I <sup>2</sup> t for fusing	285 A <sup>2</sup> .S for 10 ms at 50 Hz 260 A <sup>2</sup> .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	5 ms (turn-on) 10 ms (turn-off)
Overvoltage category	III
Width	0.24 in (6.2 mm)
Height	4.12 in (104.6 mm)
Depth	3.13 in (79.5 mm)
Net Weight	0.06 lb(US) (0.0285 kg)

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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	3606489563080
Nbr. of units in pkg.	30
Package weight(Lbs)	30 lb(US) (13.61 kg)
Returnability	Yes

## Packing Units

Package 1 Height	3.95 in (100.400 mm)
Package 1 width	0.25 in (6.250 mm)
Package 1 Length	3.11 in (79.000 mm)

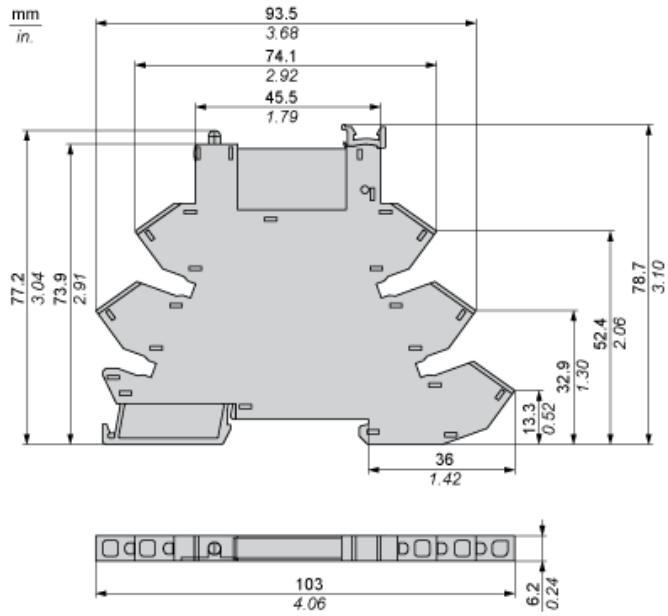
## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

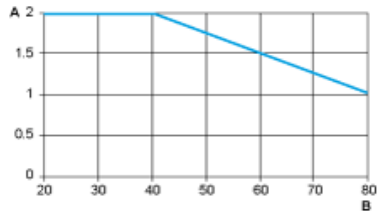
## Contractual warranty

Warranty	18 Months
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Dimensions



## Derating Curves



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

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