

# SSL1D101BDPR

Harmony, Solid state relay pre assembled, 0.1 A, DC switching, spring 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                          |
| Phase                     | 1 phase                      |
| Output switching mode     | DC switching                 |

## Complementary

|                              |   |
|------------------------------|---|
| Mounting Support             | Spring socket   |
| Line Rated Current           | 0.1 A   |
| Output voltage               | 1...48 V DC   |
| [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)<br>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      | Transistor output<br>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                | 0.25 ms (turn-on)<br>0.12 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)   |

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |  |
|---------------------------------------|--|
| Flame retardance                      | V0 conforming to UL 94   |
| Dielectric strength                   | 2500 V for input/output  |
| Pollution degree                      | 2  |
| Standards                             | IEC 60950-1<br>IEC 61000<br>IEC 62314<br>IEC 61984<br>EN 61984 |
| Product Certifications                | UL<br>CSA<br>CE<br>UL 508<br>CSA22.2 No. 14-10<br>GOST         |
| Marking                               | CURus<br>CSA<br>CE<br>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                  | 3606489563066               |
| Nbr. of units in pkg. | 1                           |
| Package weight(Lbs)   | 1.16 oz (33.0 g)            |
| Returnability         | No                          |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 3.95 in (10.04 cm)     |
| Package 1 width              | 0.25 in (0.625 cm)     |
| Package 1 Length             | 3.11 in (7.9 cm)       |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 30                     |
| Package 2 Weight             | 2.29 lb(US) (1.04 kg)  |
| Package 2 Height             | 3.54 in (9 cm)         |
| Package 2 width              | 4.33 in (11 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             | 6.09 lb(US) (2.762 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)       |

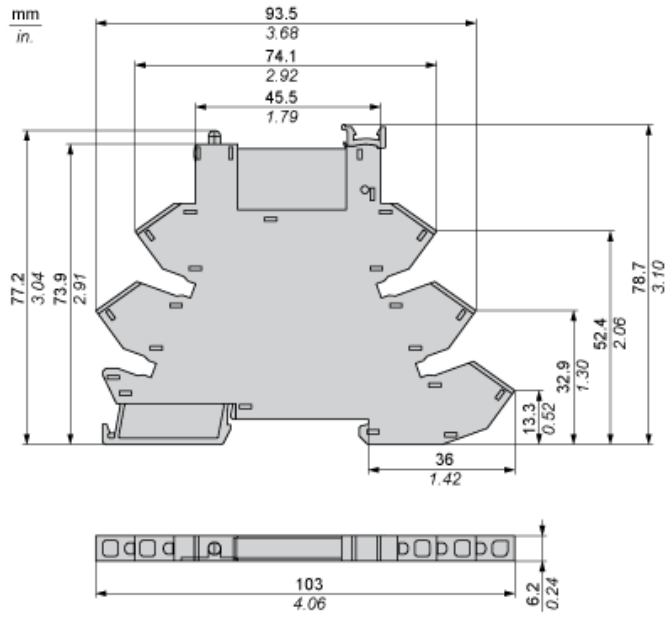
## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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 <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>  |
| Toxic heavy metal free     | Yes   |
| 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.  |

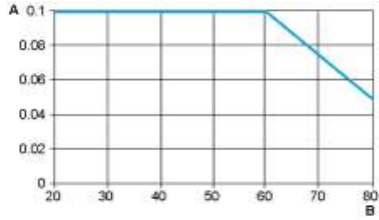
## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 Months |
|----------|-----------|

Dimensions



Derating Curves



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