# Product data sheet

Specifications

## Socket equipped with LED and protection circuit, Harmony, for SSL relays, screw connectors, 5 24V DC

SSLZVA1

## Main

| | |
|---|---|
| **Range of product** | Harmony Solid State Relays |
| **Product or component type** | Socket for SSL1 |
| **Device short name** | SSLZ |
| **Sale per indivisible quantity** | 10 |

## Complementary

| | |
|---|---|
| **Contact terminal arrangement** | Separate |
| **Product compatibility** | Solid state relay SSL with NO contact at 24 V DC<br>Solid state relay SSL with NO contact at 5 V DC |
| **Shape of pin** | Flat |
| **[Ith] conventional free air thermal current** | 6 A |
| | 6 A |
| **[Ue] rated operational voltage** | < 250 V DC |
| **Connections - terminals** | Screw clamp terminals, 1 x 0.2...1 x 2.5 mm² (AWG 24...AWG 14) solid without cable end<br>Screw clamp terminals, 1 x 0.2...1 x 2.5 mm² (AWG 24...AWG 14) flexible with cable end |
| **Tightening torque** | < 0.5 N.m for M2.5 screw(s) |
| **Fixing mode** | Clip-on (35 mm DIN rail) |
| **Switching voltage** | 5 V DC<br>24 V DC |
| **Local signalling** | LED (green) for input status |
| **Width** | 6.2 mm |
| **Height** | 101 mm |
| **Depth** | 78.6 mm |
| **Net weight** | 0.0285 kg |

## Environment

| | |
|---|---|
| **Flame retardance** | V0 conforming to UL 94 |
| **Standards** | IEC 61984 |
| **Product certifications** | CSA C22-2 No 14<br>UL 508 |
| **Marking** | CE |

| | |
|---|---|
| **Ambient air temperature for storage** | -40…85 °C |
| **Ambient air temperature for operation** | -40…70 °C |
| **IP degree of protection** | IP20 |
| **Dielectric strength** | 2500 V |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 9.6 cm |
| **Package 1 Width** | 0.62 cm |
| **Package 1 Length** | 7.9 cm |
| **Package 1 Weight** | 31.0 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 10 |
| **Package 2 Height** | 7.0 cm |
| **Package 2 Width** | 8.6 cm |
| **Package 2 Length** | 10.3 cm |
| **Package 2 Weight** | 340.0 g |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 300 |
| **Package 3 Height** | 30.0 cm |
| **Package 3 Width** | 30.0 cm |
| **Package 3 Length** | 40.0 cm |
| **Package 3 Weight** | 9.2 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 |
| **California proposition 65** | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

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## Dimensions

mm
in.
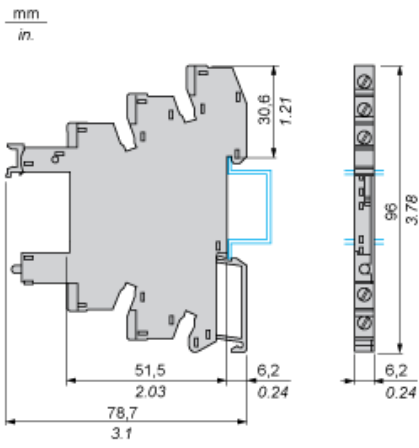
## Wiring Diagram

### Wiring Diagram for DC Output
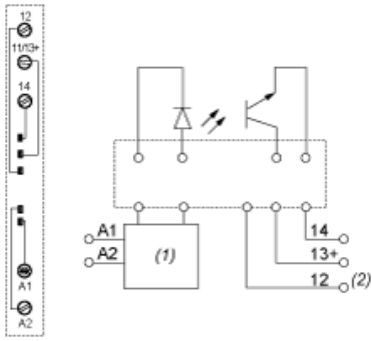


| | |
|---|---|
| **(1)** | Protection circuit |
| **(2)** | Terminal 12 is not in use for SSL Relay |

### Example of RSLZ2 Bus Jumper Mounting on Sockets
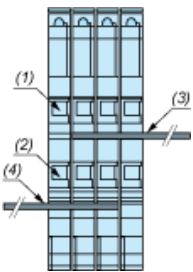


| | |
|---|---|
| **(1)** | A1 |
| **(2)** | A2 |
| **(3)** | Bus jumper polarity A1 |
| **(4)** | Bus jumper polarity A2 |

## Recommended replacement(s)