# Product data sheet

Specifications



## slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, screw connectors, 24V AC/DC

RSL1PVBU

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range of Product** | Harmony Electromechanical Relays |
| **Series name** | RSL series |
| **Product or Component Type** | Pre-assembled plug-in relay with socket |
| **Relay Type** | Slim interface relay |
| **Contact operation** | Standard |
| **Contacts type and composition** | 1 C/O |
| **Status LED** | With |
| **[Uc] control circuit voltage** | 24 V AC/DC |
| **[Ithe] conventional enclosed thermal current** | 6 A -40…131 °F (-40…55 °C) |

## Complementary

| | |
|---|---|
| **Fixing Mode** | Plastic compression spring |
| **Average resistance** | 3390 Ohm DC 23 °C +/- 10 % |
| **[Uimp] rated impulse withstand voltage** | 6 kV IEC |
| **[Ie] rated operational current** | 6 A 1 C/O AC-1/DC-1)IEC/UL |
| **minimum switching current** | 100 mA |
| **Minimum switching voltage** | 12 V |
| **[Ui] rated insulation voltage** | 250 V IEC<br>277 V cUL |
| **Minimum switching capacity** | 120 mW |
| **Maximum switching voltage** | 277 V |
| **Drop-out voltage threshold** | >= 0.05 Uc |
| **Load current** | 6 A 250 V AC 0.5 mm mounting distance |
| **Electrical durability** | 60000 cycles resistive, 6 A 250 V, AC-1 |
| **Maximum switching capacity** | 1500 VA<br>150 W |
| **Operating time** | 5 ms reset<br>12 ms |
| **Terminals description ISO n°1** | (A1-A2)CO<br>(11-12-14)OC |
| **Average coil consumption** | 0.17 W, DC |
| **Mechanical durability** | 10000000 cycles |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

| | |
|---|---|
| **Safety reliability data** | B10d = 60000 |
| **Operating rate** | <= 18000 cycles/hour no-load<br><= 360 cycles/hour under load |
| **Tightening torque** | < 0.5 N.m M2.5 |
| **Control Type** | Without lockable test button |
| **Compatibility code** | RSL |
| **Contact terminal arrangement** | Separate |
| **Connections - terminals** | Screw connectors, 1 x 0.2...1 x 2.5 mm² 24 AWG...14 AWG) flexible with cable end<br>Screw connectors, 1 x 0.2...1 x 2.5 mm² 24 AWG...14 AWG) solid without cable end |
| **Protection category** | RT III |
| **Mounting Support** | 35 mm symmetrical DIN rail |
| **Operating position** | Any position |
| **Test levels** | Level A group mounting |
| **Device presentation** | Complete product |
| **Sale per indivisible quantity** | 10 |
| **Contacts material** | Silver alloy (AgSnO2) |
| **Shape of pin** | Flat (PCB type) |
| **Width** | 0.2 in (6.2 mm) |
| **Height** | 3.09 in (78.6 mm) |
| **Depth** | 3.7 in (95 mm) |
| **Net Weight** | 0.064 lb(US) (0.029 kg) |

## Environment

| | |
|---|---|
| **Input voltage** | 24 V AC/DC 21.6...28.8 V) |
| **Dielectric strength** | 1000 V AC between contacts<br>4000 V AC between coil and contact |
| **IP degree of protection** | IP40 conforming to IEC 60529 |
| **Ambient air temperature for operation** | -40…131 °F (-40…55 °C) |
| **Standards** | CSA C22.2 No 14<br>UL 508<br>IEC 61810-1 |
| **Product Certifications** | UL<br>GOST<br>CSA |
| **Marking** | CE |
| **Ambient Air Temperature for Storage** | -40…185 °F (-40…85 °C) |
| **Vibration resistance** | 10 gn +/- 1 mm 10…150 Hz)10 cycles not operating IEC 60068-2-6<br>5 gn +/- 1 mm 10…150 Hz)10 cycles in operation IEC 60068-2-6 |
| **Shock resistance** | 10 gn 11 ms) in operation IEC 60068-2-27<br>5 gn 11 ms) not operating IEC 60068-2-27 |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP221127 |
| **Discount Schedule** | 0CP2 |
| **GTIN** | 3606480077838 |

| | |
|---|---|
| **Returnability** | Yes |
| **Country of origin** | CN |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 0.276 in (0.700 cm) |
| **Package 1 Width** | 3.150 in (8.000 cm) |
| **Package 1 Length** | 3.858 in (9.800 cm) |
| **Package weight(Lbs)** | 1.023 oz (29.000 g) |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 10 |
| **Package 2 Height** | 2.874 in (7.300 cm) |
| **Package 2 Width** | 3.425 in (8.700 cm) |
| **Package 2 Length** | 4.173 in (10.600 cm) |
| **Package 2 Weight** | 10.935 oz (310.000 g) |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 300 |
| **Package 3 Height** | 11.8 in (30 cm) |
| **Package 3 Width** | 11.8 in (30 cm) |
| **Package 3 Length** | 15.7 in (40 cm) |
| **Package 3 Weight** | 21.865 lb(US) (9.918 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **3 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.3 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **2 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.1 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| 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** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **41** |
| Circularity Profile | End of Life Information |
| Take-back | **No** |

Dimensions Drawings

## Dimensions

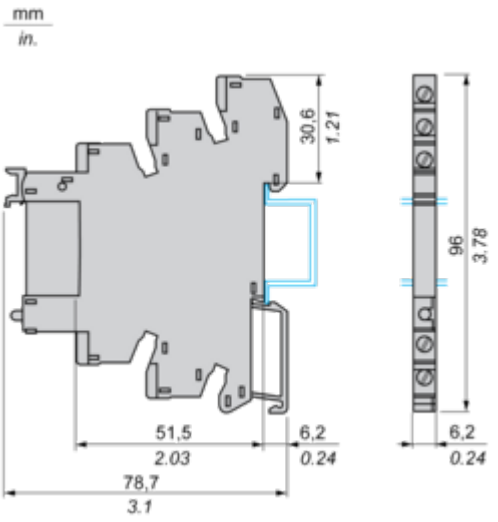
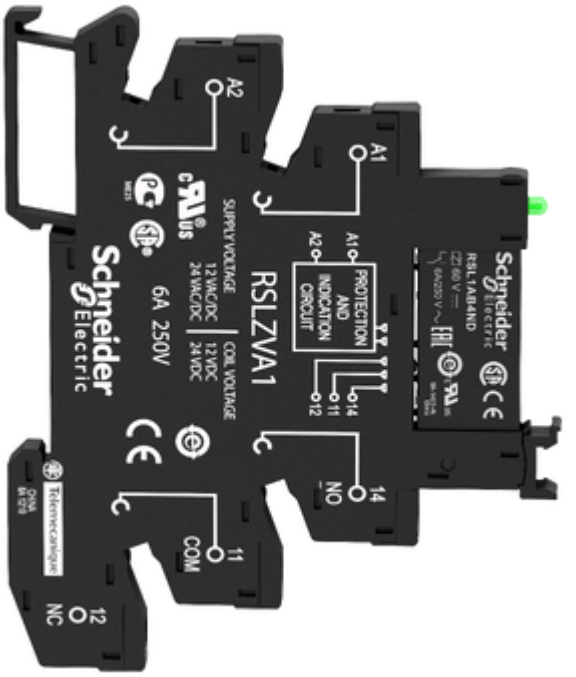
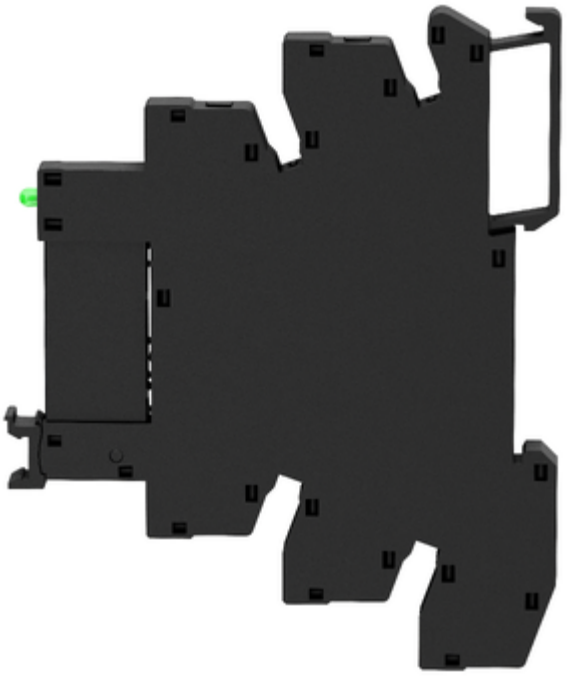


Image of product / Alternate images

**Alternative**








A2
A1
12
11

