

# Product data sheet

Specifications



slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, spring terminals, 48V AC/DC

RSL1PREU

**Product availability: Non-Stock - Not 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                 | 48 V AC/DC                              |
| [Ithe] conventional enclosed thermal current | 6 A -40...131 °F (-40...55 °C)          |

## Complementary

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| Fixing Mode                            | Plastic compression spring              |
| Average resistance                     | 10600 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             | $\geq 0.05 U_c$                         |
| 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          | (11-12-14)OC<br>(A1-A2)CO               |
| 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.

|                                      |                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safety reliability data</b>       | B10d = 60000                                                                                                                                                                                 |
| <b>Operating rate</b>                | <= 72000 cycles/hour no-load<br><= 360 cycles/hour under load                                                                                                                                |
| <b>Control Type</b>                  | Without lockable test button                                                                                                                                                                 |
| <b>Compatibility code</b>            | RSL                                                                                                                                                                                          |
| <b>Contact terminal arrangement</b>  | Separate                                                                                                                                                                                     |
| <b>Connections - terminals</b>       | Spring terminals, 1 x 0.2...1 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) flexible with cable end<br>Spring terminals, 1 x 0.2...1 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) solid without cable end |
| <b>Clamping force</b>                | 10...40 N                                                                                                                                                                                    |
| <b>Protection category</b>           | RT III                                                                                                                                                                                       |
| <b>Mounting Support</b>              | 35 mm symmetrical DIN rail                                                                                                                                                                   |
| <b>Operating position</b>            | Any position                                                                                                                                                                                 |
| <b>Test levels</b>                   | Level A group mounting                                                                                                                                                                       |
| <b>Device presentation</b>           | Complete product                                                                                                                                                                             |
| <b>Sale per indivisible quantity</b> | 10                                                                                                                                                                                           |
| <b>Contacts material</b>             | Silver alloy (AgSnO <sub>2</sub> )                                                                                                                                                           |
| <b>Shape of pin</b>                  | Flat (PCB type)                                                                                                                                                                              |
| <b>Width</b>                         | 0.2 in (6.2 mm)                                                                                                                                                                              |
| <b>Height</b>                        | 3.09 in (78.6 mm)                                                                                                                                                                            |
| <b>Depth</b>                         | 4.0 in (101 mm)                                                                                                                                                                              |
| <b>Net Weight</b>                    | 0.064 lb(US) (0.029 kg)                                                                                                                                                                      |

## Environment

|                                              |                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input voltage</b>                         | 48 V AC/DC 43.2...57.6 V)                                                                                                          |
| <b>Dielectric strength</b>                   | 1000 V AC between contacts<br>4000 V AC between coil and contact                                                                   |
| <b>IP degree of protection</b>               | IP40 conforming to IEC 60529                                                                                                       |
| <b>Ambient air temperature for operation</b> | -40...131 °F (-40...55 °C)                                                                                                         |
| <b>Standards</b>                             | CSA C22.2 No 14<br>IEC 61810-1<br>UL 508                                                                                           |
| <b>Product Certifications</b>                | GOST<br>CSA<br>UL                                                                                                                  |
| <b>Marking</b>                               | CE                                                                                                                                 |
| <b>Ambient Air Temperature for Storage</b>   | -40...185 °F (-40...85 °C)                                                                                                         |
| <b>Vibration resistance</b>                  | 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 |
| <b>Shock resistance</b>                      | 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

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10CP221127  |
| <b>Discount Schedule</b> | 0CP2          |
| <b>GTIN</b>              | 3606480077913 |

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

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Nbr. of units in pkg.        | 1                         |
| Package 1 Height             | 3.0 in (7.5 cm)           |
| Package 1 Width              | 1.8 in (4.5 cm)           |
| Package 1 Length             | 1.8 in (4.5 cm)           |
| Package weight(Lbs)          | 1.09 oz (31 g)            |
| Unit Type of Package 2       | BB1                       |
| Number of Units in Package 2 | 10                        |
| Package 2 Height             | 2.8 in (7 cm)             |
| Package 2 Width              | 4.06 in (10.3 cm)         |
| Package 2 Length             | 3.3 in (8.5 cm)           |
| Package 2 Weight             | 11.1 oz (316 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             | 22.913 lb(US) (10.393 kg) |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## 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

Carbon footprint (kg CO2 eq, Total Life cycle) 4

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](#) Pro-active compliance (Product out of EU RoHS legal scope)

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](http://www.P65Warnings.ca.gov)**

## Use Again

### Repack and remanufacture

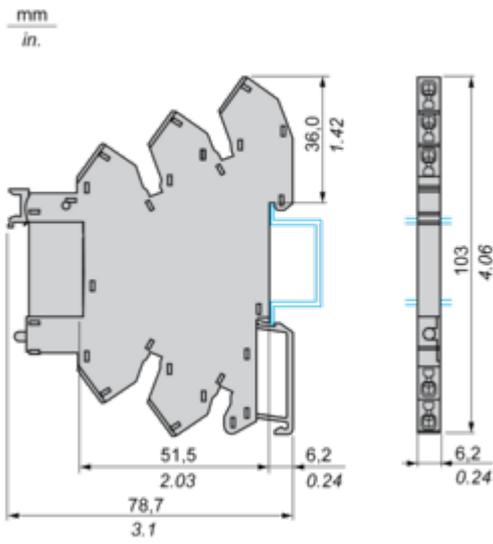
Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

Dimensions

---



Technical Illustration

Dimensions

---

mm  
in.

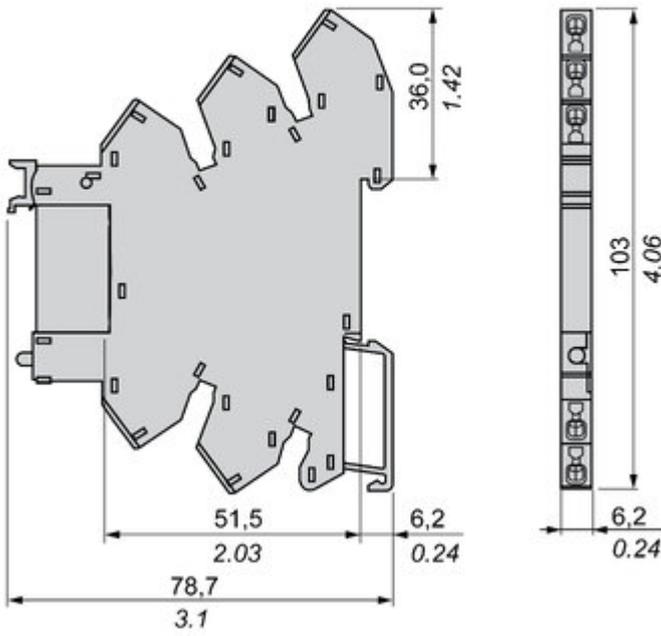


Image of product / Alternate images

Alternative

---

