

# Product datasheet

Specifications



## Slim interface relay pre-assembled, 6 A, 1 CO, LED, protection module, spring terminal, 24 V AC

Local distributor code:

398068929

RSL1PVB

EAN Code: 3606480077838

### 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 at -40...55 °C                      |

### Complementary

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| fixing mode                            | Plastic compression spring                          |
| Average resistance                     | 3390 Ohm network: DC at 23 °C +/- 10 %              |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC                              |
| [Ie] rated operational current         | 6 A 1 C/O (AC-1/DC-1) conforming to IEC/UL          |
| minimum switching current              | 100 mA                                              |
| Minimum switching voltage              | 12 V                                                |
| [UI] rated insulation voltage          | 250 V conforming to IEC<br>277 V conforming to cUL  |
| Minimum switching capacity             | 120 mW                                              |
| Maximum switching voltage              | 277 V                                               |
| Drop-out voltage threshold             | >= 0.05 Uc                                          |
| Load current                           | 6 A at 250 V AC 0.5 mm mounting distance            |
| Electrical durability                  | 60000 cycles for resistive load, 6 A at 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                                     |
| Safety reliability data                | B10d = 60000                                        |

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

|                               |                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating rate                | <= 18000 cycles/hour no-load<br><= 360 cycles/hour under load                                                                                                          |
| Tightening torque             | < 0.5 N.m for M2.5 screw(s)                                                                                                                                            |
| 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                         | 6.2 mm                                                                                                                                                                 |
| Height                        | 78.6 mm                                                                                                                                                                |
| Depth                         | 95 mm                                                                                                                                                                  |
| Product weight                | 0.029 kg                                                                                                                                                               |

## Environment

|                                       |                                                                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage                         | 24 V AC/DC (input voltage limit: 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...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...85 °C                                                                                                                                                                                        |
| Vibration resistance                  | 10 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles not operating conforming to IEC 60068-2-6<br>5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles in operation conforming to IEC 60068-2-6 |
| Shock resistance                      | 10 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27<br>5 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27                                                   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 0.700 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 9.800 cm  |
| Package 1 Weight             | 29.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 7.300 cm  |
| Package 2 Width              | 8.700 cm  |
| Package 2 Length             | 10.600 cm |
| Package 2 Weight             | 310.000 g |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 300       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 9.918 kg  |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | CN |
|-------------------|----|

## 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                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                         |
| Packaging without single use plastic   | Yes                                                                         |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                   |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

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

## Use Again

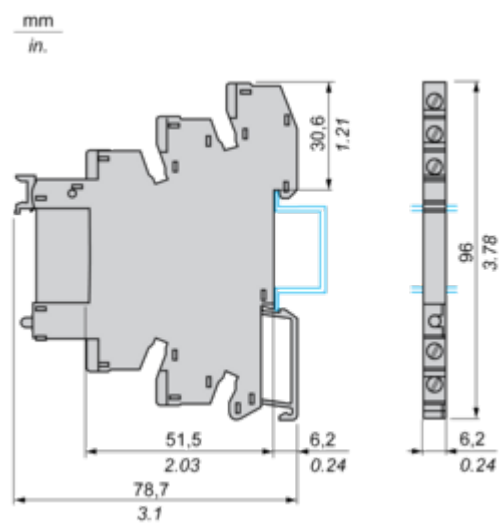


### Repack and remanufacture

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Recyclability potential, in %   | 41                                      |
| End of life manual availability | <a href="#">End of Life Information</a> |
| Take-back                       | No                                      |

Dimensions Drawings

Dimensions



Technical Illustration

Dimensions

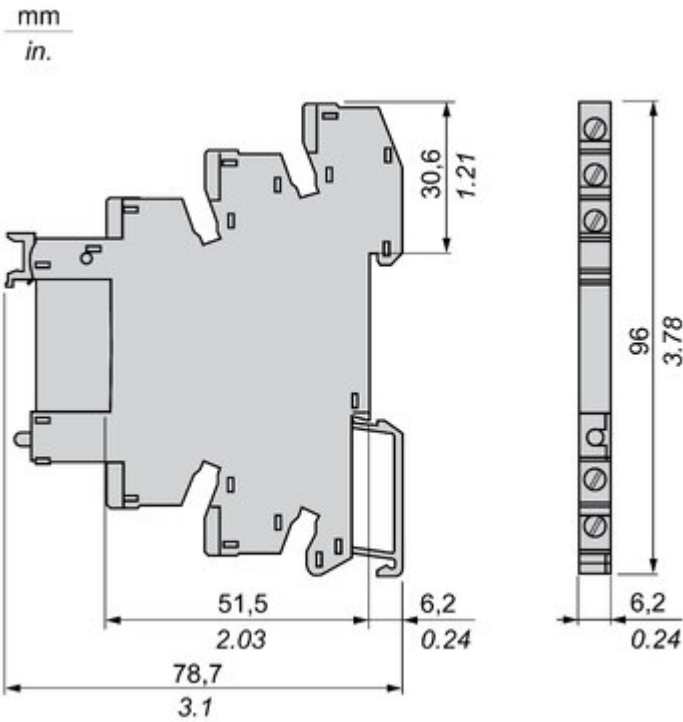


Image of product / Alternate images

Alternative



