

# Product datasheet

Specifications



## Interface plug-in relay, 6 A, 1 CO, with LED, 24 V DC

Local distributor code:

398068851

RSL1PRBU

**EAN Code: 3606480077906**

### 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 277 V conforming to cUL
Minimum switching capacity	120 mW
Maximum switching voltage	277 V
Drop-out voltage threshold	$\geq 0.05 U_c$
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 150 W
Operating time	5 ms reset 12 ms
Terminals description ISO n°1	(A1-A2)CO (11-12-14)OC
Average coil consumption	0.17 W, DC
Mechanical durability	10000000 cycles
Safety reliability data	B10d = 60000

<b>Operating rate</b>	<= 72000 cycles/hour no-load <= 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 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>	6.2 mm
<b>Height</b>	78.6 mm
<b>Depth</b>	101 mm
<b>Net weight</b>	0.029 kg

## Environment

<b>Input voltage</b>	24 V AC/DC (input voltage limit: 21.6...28.8 V)
<b>Dielectric strength</b>	1000 V AC between contacts 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...55 °C
<b>Standards</b>	IEC 61810-1 CSA C22.2 No 14 UL 508
<b>Product certifications</b>	UL CSA GOST
<b>Marking</b>	CE
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Vibration resistance</b>	10 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles not operating conforming to IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles in operation conforming to IEC 60068-2-6
<b>Shock resistance</b>	10 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27 5 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	0.800 cm

Package 1 Width	8.000 cm
Package 1 Length	10.500 cm
Package 1 Weight	28.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	7.000 cm
Package 2 Width	8.800 cm
Package 2 Length	11.000 cm
Package 2 Weight	308.000 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	9.650 kg

## Logistical informations

Country of origin	CN
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## Contractual warranty

Warranty	18 months
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## 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

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)

REACH Regulation [REACH Declaration](#)

### Use Again

#### Repack and remanufacture

Recyclability potential, in % 41

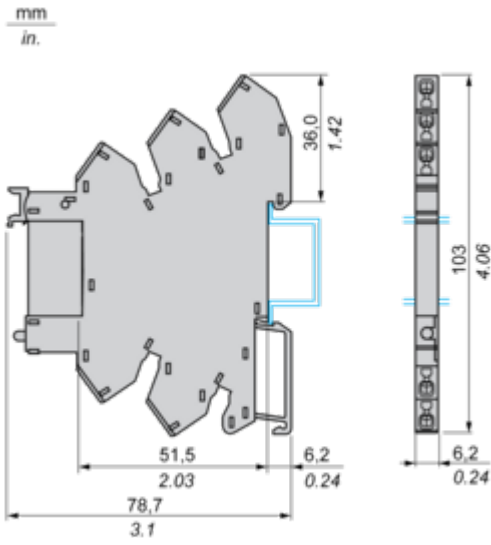
End of life manual availability [End of Life Information](#)

Take-back No

Dimensions Drawings

Dimensions

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Technical Illustration

Dimensions

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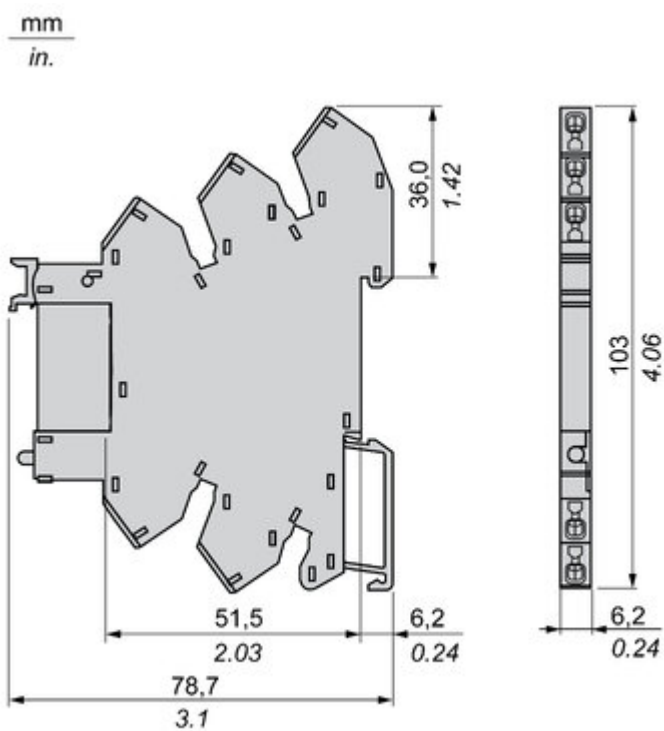


Image of product / Alternate images

Alternative

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