

# Product data sheet

Specifications



slim interface relay, Harmony  
Electromechanical Relays, pre  
assembled, 6A, 1CO, with LED,  
screw connec to rs, 48V AC/DC

RSL1PVEU

**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 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 150 W
Operating time	5 ms reset 12 ms
Terminals description ISO n°1	(11-12-14)OC (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 <= 360 cycles/hour under load
<b>Tightening torque</b>	< 0.5 N.m M2.5
<b>Control Type</b>	Without lockable test button
<b>Compatibility code</b>	RSL
<b>Contact terminal arrangement</b>	Separate
<b>Connections - terminals</b>	Screw connectors, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) flexible with cable end Screw connectors, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) solid without cable end
<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>	3.7 in (95 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 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 UL 508 IEC 61810-1
<b>Product Certifications</b>	GOST CSA 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 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 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>	3606480077845

Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.3 in (0.7 cm)
Package 1 Width	3.1 in (7.9 cm)
Package 1 Length	3.8 in (9.6 cm)
Package weight(Lbs)	1.0 oz (28 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	10.9 oz (310 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	21.711 lb(US) (9.848 kg)

## 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

Carbon footprint (kg CO2 eq, Total Life cycle) 5

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

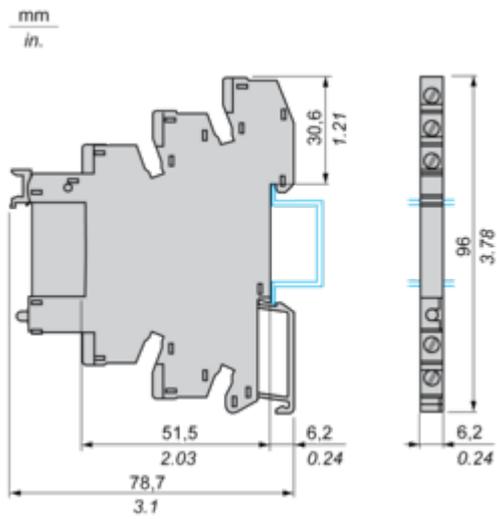
Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

Dimensions

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Technical Illustration

Dimensions

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mm  
in.

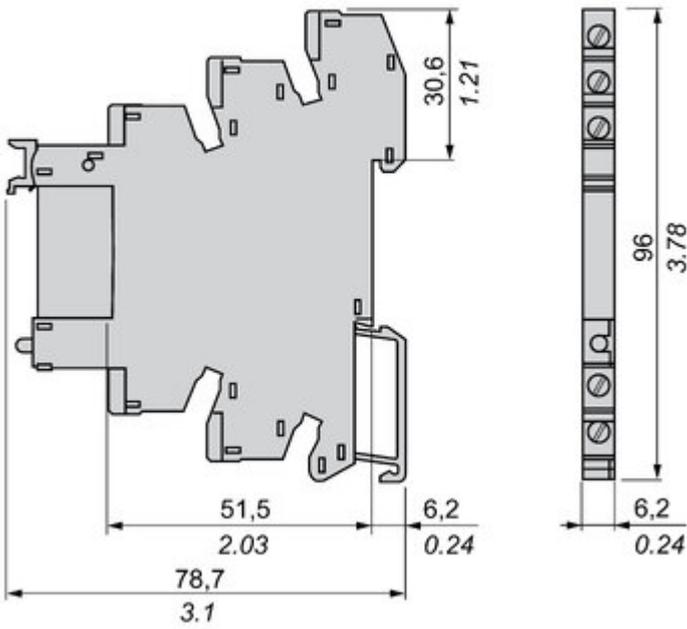


Image of product / Alternate images

Alternative

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