

Product data sheet

Specifications



slim interface pre assembled plug in relay with socket, Harmony Electromechanical Relays, 6A, 1CO, with LED, spring terminal, 24V AC/DC

RSL1PRBU

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	>= 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 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

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	<= 72000 cycles/hour no-load <= 360 cycles/hour under load
Control type	Without lockable test button
Compatibility code	RSL
Contact terminal arrangement	Separate
Connections - terminals	Spring terminals, 1 x 0.2...1 x 1.5 mm² (AWG 24...AWG 16) flexible with cable end Spring terminals, 1 x 0.2...1 x 1.5 mm² (AWG 24...AWG 16) solid without cable end
Clamping force	10...40 N
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	101 mm
Net 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 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	IEC 61810-1 CSA C22.2 No 14 UL 508
Product certifications	UL CSA GOST
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 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 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	0.800 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

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	5
Environmental Disclosure	Product Environmental Profile

Use Better

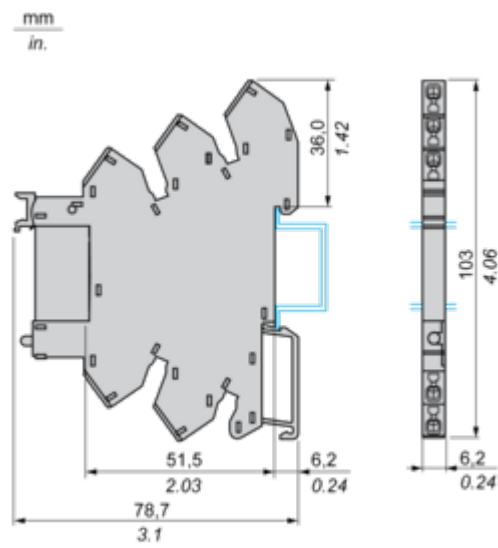
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is 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

Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions



Technical Illustration

Dimensions

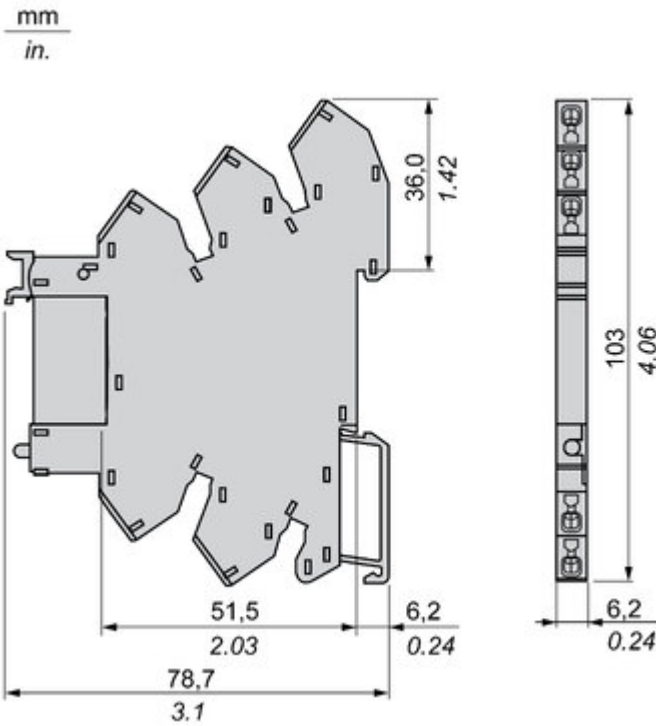


Image of product / Alternate images

Alternative

