

Product datasheet

Specifications



Slim interface relay pre assembled,
Harmony Electromechanical Relays,
6A, 1CO, with LED, screw
connectors, 24V AC DC

RSL1PVBV

Main

Range of product	Harmony Electromechanical Relays
Series name	Interface relay
Product or component type	Pre-assembled plug-in relay with socket
Device short name	RSL
Contacts type and composition	1 C/O
Contact operation	Standard
[Uc] control circuit voltage	24 V AC/DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	With
Shape of pin	Flat (PCB type)

Complementary

Fixing mode	Plastic compression spring
Average resistance	3390 Ohm network: DC at 23 °C +/- 10 %
[Ui] rated insulation voltage	250 V conforming to IEC 277 V conforming to cUL
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC
Contacts material	Silver alloy (AgSnO2)
[Ie] rated operational current	6 A 1 C/O (AC-1/DC-1) conforming to IEC/UL
Minimum switching current	100 mA
Maximum switching voltage	277 V
Minimum switching voltage	12 V
Maximum switching capacity	1500 VA 150 W
Minimum switching capacity	120 mW
Operating rate	<= 18000 cycles/hour no-load <= 360 cycles/hour under load
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles for resistive load, 6 A at 250 V, AC-1
Operating time	5 ms reset 12 ms
Marking	CE
Protection category	RT III

Test levels	Level A group mounting
Operating position	Any position
Height	78.6 mm
Width	6.2 mm
Depth	95 mm
Terminals description ISO n°1	(A1-A2)CO (11-12-14)OC
Sale per indivisible quantity	10
Net weight	0.029 kg
Load current	6 A at 250 V AC 0.5 mm mounting distance
Average coil consumption	0.17 W, DC
Drop-out voltage threshold	$\geq 0.05 U_c$
Contact terminal arrangement	Separate
Connections - terminals	Screw connectors, 1 x 0.2...1 x 2.5 mm ² (AWG 24...AWG 14) flexible with cable end Screw connectors, 1 x 0.2...1 x 2.5 mm ² (AWG 24...AWG 14) solid without cable end
Tightening torque	< 0.5 N.m for M2.5 screw(s)
Safety reliability data	B10d = 60000
Control type	Without push-button
Mounting support	35 mm symmetrical DIN rail
Device presentation	Complete product

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
Standards	CSA C22.2 No 14 UL 508 IEC 61810-1
Product certifications	UL GOST CSA
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
IP degree of protection	IP40 conforming to IEC 60529
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
Ambient air temperature for operation	-40...55 °C

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	314.000 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

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.eq.CO2 per CR, Total Life cycle)	27
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
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WEEE



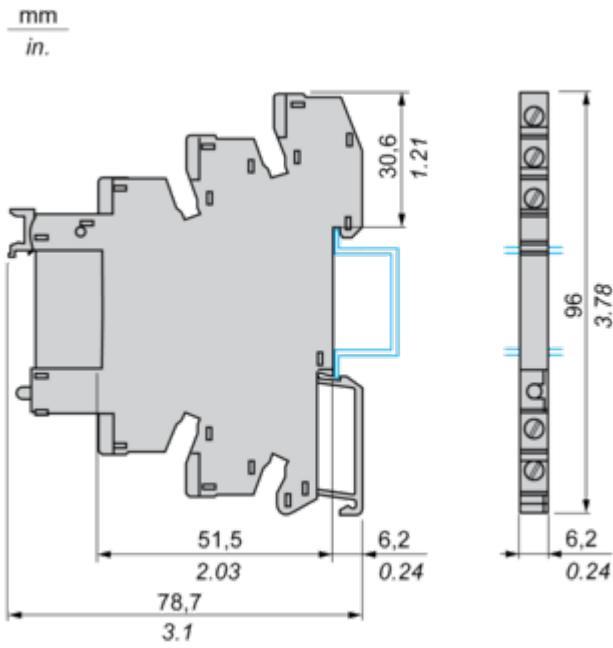
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Take-back

No

Dimensions Drawings

Dimensions



Technical Illustration

Dimensions

mm
in.

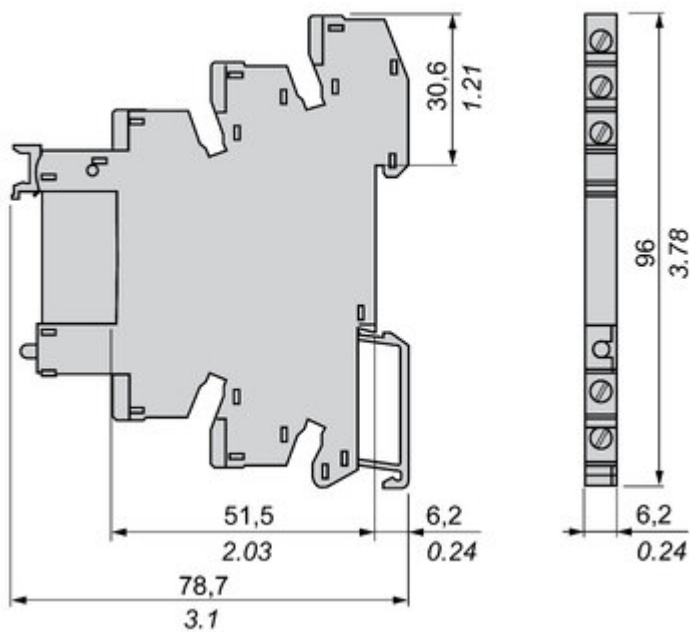
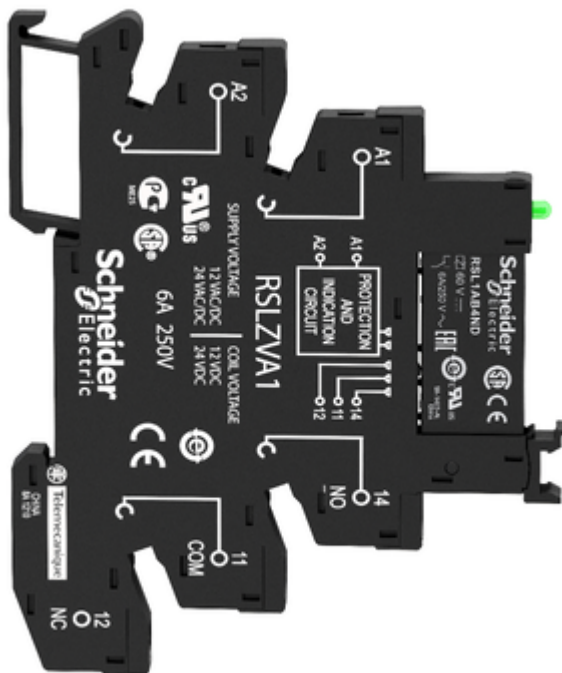


Image of product / Alternate images

Alternative



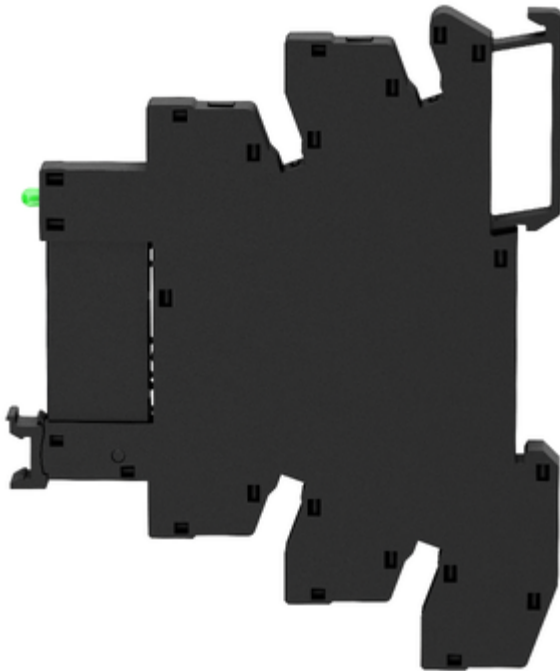


Image of product in real life situation

