Product datasheet

Specifications



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

Local distributor code:

398068929 RSL1PVBU

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 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
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 <= 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 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
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	CSA C22.2 No 14 UL 508 IEC 61810-1
Product certifications	UL GOST 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 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	0.700 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 cm
Package 3 Width	30 cm
Package 3 Length	40 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	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant
REACh Regulation	Free of Substances of Very High Concern above the threshold

Use Again

Repack and remanufacture

Recyclability potential, in %	**41**
End of life manual availability	End of Life Information
Take-back	**No**

Dimensions Drawings

Dimensions

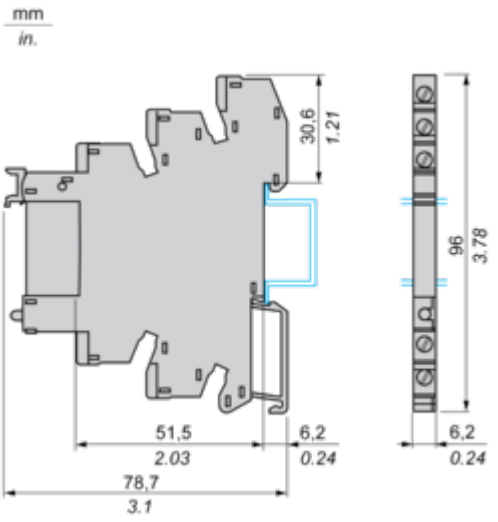
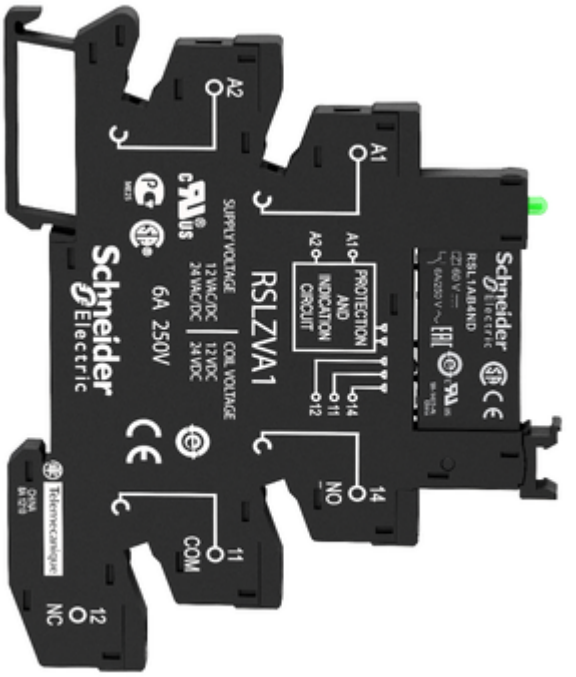


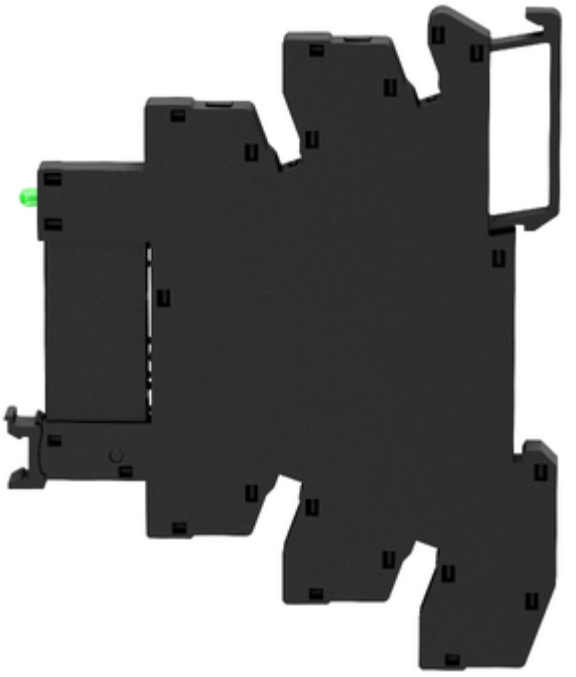
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Alternative





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