

# RSL1PVBU

Harmony, Slim interface relay pre-assembled, 6 A, 1 CO, with LED, with protection circuit, screw connectors, 24 V AC/DC



## 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
[U <sub>c</sub> ] control circuit voltage	24 V DC
[I <sub>th</sub> e] 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 %
[U <sub>i</sub> ] rated insulation voltage	250 V conforming to EN/IEC 277 V conforming to cUL
[U <sub>imp</sub> ] rated impulse withstand voltage	6 KV conforming to IEC
Contacts material	Silver alloy (AgSnO <sub>2</sub> )
[I <sub>e</sub> ] 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	>= 0.05 Uc
Contact terminal arrangement	Separate
Connections - terminals	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
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 EN/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 EN/IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f = 10...150 Hz)10 cycles in operation conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn (duration = 11 ms) for in operation conforming to EN/IEC 60068-2-27 5 gn (duration = 11 ms) for not operating conforming to EN/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 Weight	28 G
Package 1 Height	0.5 Cm
Package 1 width	7.9 Cm
Package 1 Length	9.6 Cm
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	310 G
Package 2 Height	7 Cm
Package 2 width	8.7 Cm
Package 2 Length	10.3 Cm
Unit Type of Package 3	S03
Number of Units in Package 3	300
Package 3 Weight	11.033 Kg
Package 3 Height	30 Cm
Package 3 width	30 Cm
Package 3 Length	40 Cm

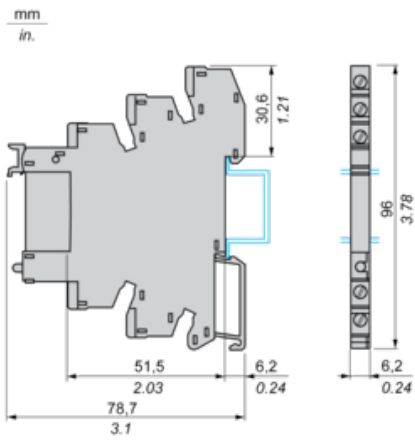
## Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
----------	-----------

Dimensions



Product Life Status : Commercialised