

# RSL1PVEU

Slim interface relay pre-assembled, 6 A, 1 CO,  
LED, protection module, spring terminal, 48 V AC



## Main

Range of product	Zelio Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
Contact operation	Standard
[Uc] control circuit voltage	48 V 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	10600 Ohm network: DC at 23 °C +/- 10 %
[Ui] rated insulation voltage	250 V conforming to EN/IEC 277 V conforming to cUL
[Uimp] rated impulse withstand voltage	IEC 6 kV
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
Switching voltage	12 V
Maximum switching capacity	1500 VA 150 W
Minimum switching capacity	120 mW
Operating rate	<= 72000 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

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

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	(11-12-14)OC (A1-A2)CO
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	48 V AC/DC (input voltage limit: 43.2...57.6 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	GOST CSA UL
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

Package 1 Weight	0.030 kg
Package 1 Height	0.070 dm
Package 1 width	0.800 dm
Package 1 Length	0.970 dm

## 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>

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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

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### Contractual warranty

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Warranty	18 months
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Dimensions

