

# RSL1PRBU

interface plug-in relay - Zelio RSL - 1 C/O - 24 V DC - 6 A - with LED



## 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	24 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	With
Shape of pin	Flat (PCB type)
Sale per indivisible-quantity	10

## Complementary

Fixing mode	Plastic compression spring
Average resistance	3390 Ohm (DC) at 23 °C +/- 10 %
[Ui] rated insulation voltage	277 V conforming to cUL 250 V conforming to EN/IEC
[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
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 12 ms reset
Marking	CE
Protection category	RT III
Operating position	Any position
Height	78.6 mm
Width	6.2 mm
Depth	101 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Product weight	0.029 kg
Load current	6 A at 250 V AC for 0.5 mm mounting distance
Average coil consumption	0.17 W DC
Drop-out voltage threshold	>= 0.05 Uc


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Contact terminal arrangement	Separate
Connections - terminals	Spring terminals (1 x 0.2...1 x 1.5 mm <sup>2</sup> / AWG 24...AWG 16) flexible cable with cable end Spring terminals (1 x 0.2...1 x 1.5 mm <sup>2</sup> / AWG 24...AWG 16) solid cable without-cable end
Tightening torque	10...40 N.m
Safety reliability data	B10d = 60000
Clamping force	10...40 N
Control type	Without push-button
Mounting support	35 mm symmetrical DIN rail
Device presentation	Complete product
Compatibility code	RSL

## 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	EN/IEC 61810-1 UL 508 CSA C22.2 No 14
Product certifications	CSA GOST UL
Ambient air temperature for storage	-40...85 °C
Vibration resistance	5 gn +/- 1 mm (f = 10...150 Hz) 10 cycles in operation conforming- to EN/IEC 60068-2-6 10 gn +/- 1 mm (f = 10...150 Hz) 10 cycles not operating conforming- to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn for 11 ms not operating conforming to EN/IEC 60068-2-27 10 gn for 11 ms in operation conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...55 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1417 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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Product Life Status : **Commercialised**