

# RSL1PVPVU

slim relay mounted on screw socket with LED and protection circuit, 230 V



## 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
Contacts operation	Standard
Control circuit voltage	60 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	20500 Ohm (DC) at 23 °C +/- 10 %
[Ui] rated insulation voltage	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	300 V DC 400 V AC
Minimum switching voltage	12 V
Maximum switching capacity	1500 VA (AC) 18...150 W (DC)
Minimum switching capacity	120 mW
Operating rate	<= 72000 cycles/hour no-load <= 360 cycles/hour under load
Mechanical durability	<= 10000000 cycles
Electrical durability	50000 cycles for inductive load (3 A at 250 V, AC-15) NO 60000...2000000 cycles for resistive load (0.5...6 A at 250 V, AC-1)
Operating time	12 ms between coil energisation and making of the On-delay contact 5 ms between coil de-energisation and making of the Off-delay contact
Marking	CE
Protection category	RT III
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
Product weight	0.029 kg
Load current	6 A at 250 V AC for 0.5 mm mounting distance
Average consumption in W	0.17 W DC
Drop-out voltage threshold	>= 0.05 U <sub>c</sub> DC
Contact terminal arrangement	Separate
Connections - terminals	Screw connectors (1 x 0.2...1 x 2.5 mm <sup>2</sup> /AWG24...AWG14)flexible cablewith cable end Screw connectors (1 x 0.2...1 x 2.5 mm <sup>2</sup> /AWG24...AWG14)solid cablewithout cable end

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Tightening torque	<= 0.5 N.m (M2.5)
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## Environment

Input voltage	230 V AC/DC (input voltage limit: 184...264.5 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	10 gn +/- 1 mm (f = 10...150 Hz)10 cycles not operating conforming to EN/IEC 60068-2-6 5 gn +/- 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	5 gn for11 ms not operating conforming to EN/IEC 60068-2-27 10 gn for11 ms in operation conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...70 °C (AC)

## Contractual warranty

Period	18 months
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