

RSL1PVBU

slim relay mounted on screw socket with LED
and protection circuit, 24 V



Main

Commercial Status	Commercialised
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	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	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	400 V AC 300 V DC
Minimum switching voltage	12 V
Maximum switching capacity	18...150 W (DC) 1500 VA (AC)
Minimum switching capacity	120 mW
Operating rate	<= 360 cycles/hour under load <= 72000 cycles/hour no-load
Mechanical durability	<= 10000000 cycles
Electrical durability	60000...2000000 cycles for resistive load (0.5...6 A at 250 V, AC-1) 50000 cycles for inductive load (3 A at 250 V, AC-15) NO
Operating time	5 ms between coil de-energisation and making of the Off-delay contact 12 ms between coil energisation and making of the On-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 _c DC

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Contact terminal arrangement	Separate
Connections - terminals	Screw connectors (1 x 0.2...1 x 2.5 mm ² /AWG24...AWG14)solid cablewithout cable end Screw connectors (1 x 0.2...1 x 2.5 mm ² /AWG24...AWG14)flexible cablewith cable end
Tightening torque	<= 0.5 N.m (M2.5)

Environment

Input voltage	24 V AC/DC (input voltage limit: 21.6...28.8 V)
Dielectric strength	4000 V AC (between coil and contact) 1000 V AC (between contacts)
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 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...55 °C (AC)

Contractual warranty

Period	18 months
--------	-----------

Dimensions

