

RSL1PVEU

slim relay mounted on screw socket with LED and protection circuit, 48 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	48 V DC
[I _{th} e] 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	10600 Ohm (DC) at 23 °C +/- 10 %
[U _i] rated insulation voltage	250 V conforming to EN/IEC 277 V conforming to cUL
[U _{imp}] rated impulse withstand voltage	6 kV conforming to IEC
Contacts material	Silver alloy (AgSnO ₂)
[I _e] 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	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
Contact terminal arrangement	Separate
Connections - terminals	Screw connectors (1 x 0.2...1 x 2.5 mm ² / AWG 24...AWG 14) flexible cable with cable end

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

Screw connectors (1 x 0.2...1 x 2.5 mm² / AWG 24...AWG 14) solid cable without cable end

Tightening torque	<= 0.5 N.m (M2.5)
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	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
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

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

Dimensions

