

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	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
Minimum switching voltage	12 V
Maximum switching capacity	150 W 1500 VA
Minimum switching capacity	120 mW
Operating rate	<= 360 cycles/hour under load <= 72000 cycles/hour no-load
Mechanical durability	<= 10000000 cycles
Electrical durability	60000 cycles for resistive load (6 A at 250 V, AC-1)
Operating time	12 ms reset 5 ms
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 Uc
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 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

Dimensions

