

RSL1GB4BD

slim interface plug-in relay - Zelio RSL - 1 C/O low level - 24 V DC - 6 A



Main

Range of product	Zelio Relay
Series name	Slim interface relay
Product or component type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
Contacts operation	Low level
Control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C
Status LED	Without
Control type	Without pushbutton

Complementary

Shape of pin	Flat Flat (PCB type)
Average resistance	3390 Ohm (DC) at 23 °C +/- 10 %
Rated operational voltage limits	16.8...33.6 V DC
[Ui] rated insulation voltage	250 V conforming to EN/IEC
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC
Contacts material	Silver alloy - gold plated (AgSnO2)
[Ie] rated operational current	6 A (AC-1/DC-1) conforming to IEC/UL
Minimum switching current	1 mA
Maximum switching voltage	250 V AC 300 V DC
Minimum switching voltage	1 V
Maximum switching capacity	1500 VA (AC) 18...150 W (DC)
Minimum switching capacity	50 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
Protection category	RT III
Operating position	Any position
CAD overall width	5 mm
CAD overall height	28 mm
CAD overall depth	18.5 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
Product weight	0.006 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

Environment

Dielectric strength	1000 V AC (between contacts)
---------------------	------------------------------

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.

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...70 °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...55 °C (AC)

Contractual warranty

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