

RSB1A120BD

interface plug-in relay - Zelio RSB - 1 C/O - 24 V DC - 12 A



Main

Range of product	Zelio Relay
Control circuit voltage	24 V DC
Average resistance	1440 Ohm (DC) at 20 °C +/- 10 %
[Ithe] conventional enclosed thermal current	12 A at ≤ 40 °C
Contacts material	Silver alloy (Ag/Ni)
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSB
Sale per indivisible quantity	10
Resistive rated load	12 A at 250 V AC 12 A at 28 V DC
Contacts type and composition	1 C/O
Status LED	Without

Complementary

Rated operational voltage limits	19.2...26.4 V DC
[Ui] rated insulation voltage	400 V conforming to EN/IEC 60947
[Uimp] rated impulse withstand voltage	3.6 kV conforming to IEC 61000-4-5
[Ie] rated operational current	6 A , NC (AC-1/DC-1) conforming to IEC 12 A , NO (AC-1/DC-1) conforming to IEC
Minimum switching current	5 mA
Maximum switching voltage	300 V DC 400 V AC
Minimum switching voltage	5 V
Maximum switching capacity	336 W (DC) 3000 VA (AC)
Minimum switching capacity	300 mW
Operating rate	≤ 10 cyc/mn (under load) ≤ 1200 cyc/mn (no-load)
Mechanical durability	30000000 cycles
Electrical durability	≥ 100000 cycles for resistive load at 12 A , 250 V
Operating time	4 ms between coil de-energisation and making of the Off-delay contact (DC) 9 ms between coil energisation and making of the On-delay contact (DC) 10 ms between coil de-energisation and making of the Off-delay contact (AC) 12 ms between coil energisation and making of the On-delay contact (AC)
Marking	CE
Protection category	RT I
Operating position	Any position
Product weight	0.014 kg
Average consumption	AC : 0.75 VA DC : 0.45 W
Drop-out voltage threshold	AC : ≥ 0.15 Uc DC : ≥ 0.1 Uc
Fixing mode	Plastic compression spring
Shape of pin	Flat (PCB type)

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.

Environment

Dielectric strength	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
Standards	CSA C22-2 No 14 EN/IEC 61810-1 UL 508
Product certifications	CSA UL
Ambient air temperature for storage	-40...85 °C
Vibration resistance	10 gn (f = 10...150 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn (on opening) conforming to EN/IEC 60068-2-27 10 gn (on closing) conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...85 °C (DC)
RoHS EUR conformity date	0401
RoHS EUR status	Compliant