

# Product data sheet

## Characteristics

# RSB1A160BDS

interface plug-in relay - Zelio RSB - 1 C/O - 24 V DC - 16 A - with socket

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 9.50 USD



### Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Series name	Interface relay
Product or component type	Plug-in relay
Device short name	RSB
Contacts type and composition	1 C/O
Contacts operation	Standard
Control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	16 A at -40...104 °F (-40...40 °C)
Status LED	Without
Control type	Without push-button
Sale per indivisible quantity	10

### Complementary

Shape of pin	Flat
Average resistance	1440 Ohm (DC) at 20 °C +/- 10 %
System Voltage	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
Contacts material	Silver alloy (Ag/Ni)
[Ie] rated operational current	8 A, NC (AC-1/DC-1) conforming to IEC 16 A, NO (AC-1/DC-1) conforming to IEC
Minimum switching current	5 mA
Maximum switching voltage	400 V AC 300 V DC
Minimum switching voltage	5 V
Maximum switching capacity	448 W (DC) 4000 VA (AC)
Load current	16 A at 28 V DC 16 A at 250 V AC
Minimum switching capacity	300 mW at 5 mA
Operating rate	<= 72000 cycles/hour no-load <= 600 cycles/hour under load
Mechanical durability	30000000 cycles
Electrical durability	100000 cycles (8 A at 250 V, AC-1) NC 100000 cycles (16 A at 250 V, AC-1) NO
Operating time	9 ms between coil energisation and making of the On-delay contact 4 ms between coil de-energisation and making of the Off-delay contact
Marking	CE
Average consumption in W	0.45 W DC
Drop-out voltage threshold	>= 0.1 U <sub>c</sub> DC

Protection category	RT I
Operating position	Any position

## Environment

Dielectric strength	5000 V AC between coil and contact 2500 V AC between poles 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...185 °F (-40...85 °C)
Vibration resistance	+/- 1 mm (f = 10...55 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	5 gn for 11 ms in operation conforming to EN/IEC 60068-2-27 10 gn for 11 ms not operating conforming to EN/IEC 60068-2-27
Ambient air temperature for operation	-40...185 °F (-40...85 °C) (DC) -40...158 °F (-40...70 °C) (AC)

## Ordering and shipping details

Category	21127 - ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	00785901525929
Nbr. of units in pkg.	20
Package weight(Lbs)	0.14
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

## Contractual warranty

Period	18 months
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