

# Product data sheet

Specifications



## interface plug-in relay - Harmony RSB - 1 C/O - 220 V AC - 16 A - with socket

RSB1A160M7S

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

### Main

Range of Product	Harmony Relay
Series name	Interface relay
Product or Component Type	Plug-in relay
Device short name	RSB
Contacts type and composition	1 C/O
Contact operation	Standard
[Uc] control circuit voltage	220 V AC
Status LED	Without
[Ithe] conventional enclosed thermal current	16 A -40...104 °F (-40...40 °C)

### Complementary

Average resistance	35500 Ohm AC 20 °C +/- 15 %
[Ue] rated operational voltage	176...264 V AC 50 Hz 187...264 V AC 60 Hz
[Uimp] rated impulse withstand voltage	3.6 kV IEC 61000-4-5
[Ie] rated operational current	16 A AC-1/DC-1) NO IEC 8 A AC-1/DC-1) NC IEC
[Ui] rated insulation voltage	400 V EN/IEC 60947
Maximum switching voltage	300 V DC 400 V AC
Drop-out voltage threshold	$\geq 0.15 U_c$ AC
Load current	16 A 250 V AC 16 A 28 V DC
minimum switching current	5 mA
Maximum switching capacity	4000 VA AC 448 W DC
minimum switching voltage	5 V
Minimum switching capacity	300 mW 5 mA
Operating time	10 ms between coil de-energisation and making of the Off-delay contact 12 ms between coil energisation and making of the On-delay contact
Mechanical durability	30000000 cycles
Electrical durability	100000 cycles, 16 A at 250 V, AC-1 NO 100000 cycles, 8 A at 250 V, AC-1 NC
Safety reliability data	B10d = 100000

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Operating rate</b>	<= 600 cycles/hour under load <= 72000 cycles/hour no-load
<b>Average coil consumption</b>	0.75 VA AC 60 Hz
<b>Protection category</b>	RT I
<b>Operating position</b>	Any position
<b>Device presentation</b>	Complete product
<b>Sale per indivisible quantity</b>	10
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Shape of pin</b>	Flat
<b>Compatibility code</b>	RSB

## Environment

<b>Dielectric strength</b>	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
<b>Vibration resistance</b>	+/- 1 mm (f= 10...55 Hz) conforming to EN/IEC 60068-2-6
<b>IP degree of protection</b>	IP40 conforming to EN/IEC 60529
<b>Ambient air temperature for operation</b>	-40...158 °F (-40...70 °C) AC -40...185 °F (-40...85 °C) DC
<b>Standards</b>	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
<b>Product Certifications</b>	CSA UL GOST
<b>Marking</b>	CE
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Shock resistance</b>	10 gn 11 ms) not operating EN/IEC 60068-2-27 5 gn 11 ms) in operation EN/IEC 60068-2-27

## Ordering and shipping details

<b>Category</b>	21127-ZELIO ICE CUBE RELAYS
<b>Discount Schedule</b>	CP2
<b>GTIN</b>	3389110255645
<b>Returnability</b>	No
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

California proposition 65

WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

Circularity Profile

No need of specific recycling operations