

Product data sheet

Specifications



interface plug-in relay - Harmony RSB - 1 C/O - 110 V DC - 16 A - with socket

RSB1A160FDS

⚠ 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	110 V DC
Status LED	Without
[Ithe] conventional enclosed thermal current	16 A -40...104 °F (-40...40 °C)

Complementary

Average resistance	25200 Ohm DC 20 °C +/- 10 %
[Ue] rated operational voltage	88...121 V DC
[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	$\geq 0.1 U_c$ DC
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	4 ms between coil de-energisation and making of the Off-delay contact 9 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.

Operating rate	<= 600 cycles/hour under load <= 72000 cycles/hour no-load
Average coil consumption	0.45 W DC
Protection category	RT I
Operating position	Any position
Device presentation	Complete product
Sale per indivisible quantity	10
Contacts material	Silver alloy (Ag/Ni)
Shape of pin	Flat
Compatibility code	RSB

Environment

Dielectric strength	1000 V AC between contacts 2500 V AC between poles 5000 V AC between coil and contact
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
Ambient air temperature for operation	-40...158 °F (-40...70 °C) AC -40...185 °F (-40...85 °C) DC
Standards	CSA C22.2 No 14 EN/IEC 61810-1 UL 508
Product Certifications	GOST UL CSA
Marking	CE
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Shock resistance	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

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3389110252200
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Contractual warranty

Warranty (in months)	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.

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[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No