

Product datasheet

Specifications



Plug in relay, Harmony Relay, interface, RSB, 1 C/O, 24 V DC, 12 A, with socket

RSB1A120BDSK

⚠ Discontinued on: Sep 21, 2021

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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	24 V DC
status LED	Without
Control type	Without push-button
[Ithe] conventional enclosed thermal current	12 A at -40...40 °C

Complementary

Average resistance	1440 Ohm network: DC at 20 °C +/- 10 %
[Ue] rated operational voltage	19.2...26.4 V DC
[Uimp] rated impulse withstand voltage	3.6 kV conforming to IEC 61000-4-5
[Ie] rated operational current	12 A (AC-1/DC-1) NO conforming to IEC 6 A (AC-1/DC-1) NC conforming to IEC
[Ui] rated insulation voltage	400 V conforming to EN/IEC 60947
Maximum switching voltage	300 V DC 400 V AC
Drop-out voltage threshold	$\geq 0.1 U_c$ DC
Load current	12 A at 250 V AC 12 A at 28 V DC
minimum switching current	5 mA
Maximum switching capacity	3000 VA AC 336 W DC
minimum switching voltage	5 V
Minimum switching capacity	300 mW at 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, 12 A at 250 V, AC-1 NO 100000 cycles, 6 A at 250 V, AC-1 NC

Safety reliability data	B10d = 100000
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...70 °C (AC) -40...85 °C (DC)
Standards	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
Product certifications	UL CSA GOST
Marking	CE
Ambient air temperature for storage	-40...85 °C
Shock resistance	10 gn (duration = 11 ms) for not operating conforming to EN/IEC 60068-2-27 5 gn (duration = 11 ms) for in operation conforming to EN/IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	6.3 cm
Package 1 Length	7.9 cm
Package 1 Weight	46 g



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 Longer



Lifetime extension

Repair

No