

# Product data sheet

Specifications



## Kit case, Harmony Relay, SPDT, PCB, Plug in, socket 24 VDC coil

RSB1SOC24D

 **Discontinued on:** Jun 30, 2023

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

 **Discontinued**

### Main

Range Of Product	Harmony Relay
Series Name	Slim interface relay
Product Or Component Type	Kit case
Device Short Name	RSB
Contacts Type And Composition	1 C/O
Contact Operation	Standard
[Uc] Control Circuit Voltage	24 V DC
[Ithe] Conventional Enclosed Thermal Current	12 A -40...104 °F (-40...40 °C)
Status Led	Without
Control Type	Without push-button

### Complementary

Kit Composition	Socket-outlet Marking accessory Protection module Plug-in relay Mounting accessory
Shape Of Pin	Flat (PCB type)
Average Coil Resistance	1440 Ohm AC 20 °C +/- 10 %
[Ue] Rated Operational Voltage	16.8...36 V DC
[Ui] Rated Insulation Voltage	400 V EN/IEC 60947
[Uimp] Rated Impulse Withstand Voltage	3.6 kV IEC 61000-4-5
Contacts Material	Silver alloy (AgNi)
[Ie] Rated Operational Current	12 A AC-1/DC-1) NO IEC 6 A AC-1/DC-1) NC IEC
Minimum Switching Current	100 mA
Maximum Switching Voltage	250 V DC IEC
Minimum Switching Voltage	5 V
Maximum Switching Capacity	3000 VA/336 W
Resistive Rated Load	12 A 250 V AC 12 A 28 V DC
Minimum Switching Capacity	500 mW 100 mA, 5 V

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

Disclaimer: 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

Operating Rate	<= 600 cycles/hour under load <= 18000 cycles/hour no-load
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
Operating Time	20 ms operating 20 ms reset
Average Coil Consumption	0.45 W DC
Drop-Out Voltage Threshold	>= 0.1 Uc DC
Safety Reliability Data	B10d = 10000000
Protection Category	RT I
Operating Position	Any position
Net Weight	0.03 lb(US) (0.014 kg)
Sale Per Indivisible Quantity	10
Device Presentation	Complete product

## 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	EAC CSA UL
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Vibration Resistance	+/- 1 mm 10...55 Hz)EN/IEC 60068-2-6
Ip Degree Of Protection	IP40 conforming to EN/IEC 60529
Shock Resistance	10 gn 11 ms) not operating EN/IEC 60068-2-27 5 gn 11 ms) in operation EN/IEC 60068-2-27
Ambient Air Temperature For Operation	-40...185 °F (-40...85 °C) DC)

## Ordering and shipping details

Category	US1IPOP22750
Discount Schedule	IPOP
Gtin	785901657835
Returnability	No
Country Of Origin	US

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.05 in (48.387 cm)
Package 1 Width	7.50 in (19.05 cm)
Package 1 Length	48.39 in (122.903 cm)

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Package 1 Weight	2.00 lb(US) (0.907 kg)
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## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.


**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance

 Toxic Heavy Metal Free

 Mercury Free

 Rohs Exemption Information [Yes](#)

<b>Eu Rohs Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
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<b>China Rohs Regulation</b>	<a href="#">China RoHS declaration</a>
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<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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<b>California Proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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