

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 U _c 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)

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-CO₂ 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
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
China Rohs Regulation	China RoHS declaration	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	
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	