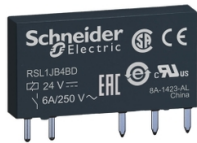


Product data sheet

Specifications



slim interface plug-in relay - Harmony RSL - 1 N/O standard - 24 V DC - 6 A

RSL1JB4BD

 **Discontinued on:** Jan 29, 2021

 **Discontinued**

Main

Range Of Product	Harmony Relay
Series Name	Slim interface relay
Product Or Component Type	Plug-in relay
Device Short Name	RSL
Contacts Type And Composition	1 NO
Contact Operation	Standard
[Uc] Control Circuit Voltage	24 V DC
[Ithe] Conventional Enclosed Thermal Current	6 A at -40...55 °C
Status Led	Without
Control Type	Without push-button

Complementary

Shape Of Pin	Flat (PCB type)
Average Resistance	3390 Ohm at 23 °C +/- 15 %
Rated Operational Voltage Limits	18...33.6 V DC
[Ui] Rated Insulation Voltage	250 V conforming to EN/IEC 277 V conforming to cUL
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC
Contacts Material	Silver alloy (AgSnO2)
[Ie] Rated Operational Current	6 A (AC-1/DC-1) conforming to IEC/UL
Minimum Switching Current	10 mA
Maximum Switching Voltage	277 V
Maximum Switching Capacity	1500 VA 50 W
Minimum Switching Capacity	1200 mW
Operating Rate	<= 360 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical Durability	10000000 cycles
Electrical Durability	60000 cycles, 6 A at 250 V, AC-1 C/O
Operating Time	5 ms reset 12 ms
Protection Category	RT III

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 Position	Any position
Net Weight	0.0054 kg
Load Current	6 A at 250 V AC 0.5 mm mounting distance
Average Coil Consumption	0.17 W
Drop-Out Voltage Threshold	>= 0.05 U _c
Safety Reliability Data	B10d = 60000
Mounting Support	Socket or PCB
Device Presentation	Complete product

Environment

Dielectric Strength	1000 V AC between contacts 4000 V AC between coil and contact
Standards	CSA C22.2 No 14 UL 508 EN/IEC 61810-1
Product Certifications	UL CSA EAC
Ambient Air Temperature For Storage	-40...70 °C
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
Shock Resistance	5 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
Ambient Air Temperature For Operation	-40...55 °C

Contractual warranty

Warranty	18 months
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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 >](#)



Transparency RoHS/REACH

Well-being performance

✓ Reach Free Of Svhc

✓ Rohs Exemption Information [Yes](#)

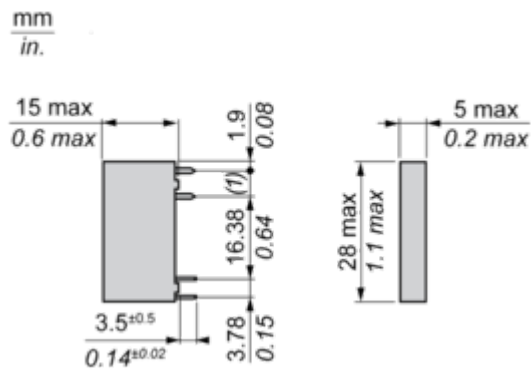
Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

Dimensions Drawings

Dimensions

Relay with Flat Pins (PCB Type)



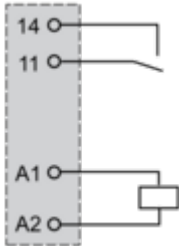
(1): 5.04 mm / 0.19 in.

Connections and Schema

Wiring Diagram

Relay with Flat Pins (PCB Type)

1 N/O contact

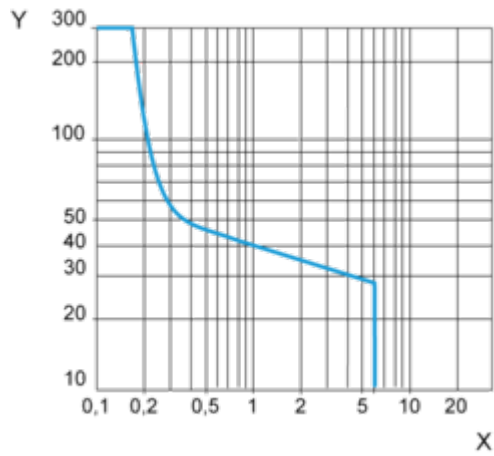


Performance Curves

Curves for Resistive Load

Maximum Switching Capacity on DC Load

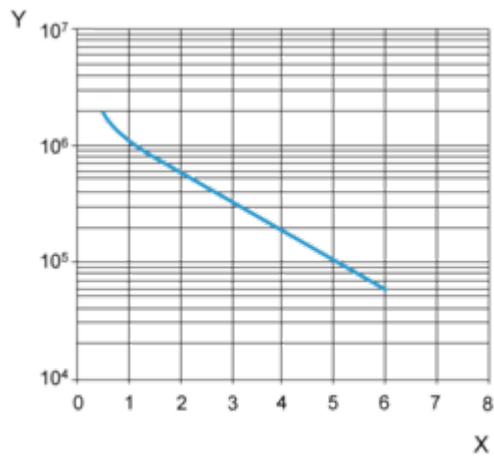
Resistive load



X DC Current
Y DC Voltage

Electrical Durability

Only tested at 6A/250VAC, projection for the rest
250 Vac Resistive load



X Switching current (A)
Y Cycles

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.