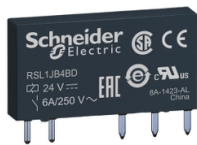


Product datasheet

Specifications



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

RSL1JB4BD

 **Discontinued on:** 23 Jan 2021

 **Discontinued**

Main

Range of product	Harmony Relay
Series name	Slim interface relay
Product or component type	Plug-in relay
Device short name	RSL
Contact operation	Standard
Contacts type and composition	1 NO
[Uc] control circuit voltage	24 V DC
Control type	Without push-button
status LED	Without
[Ithe] conventional enclosed thermal current	6 A at -40...55 °C

Complementary

[Uimp] rated impulse withstand voltage	6 kV conforming to IEC
[Ie] rated operational current	6 A (AC-1/DC-1) conforming to IEC/UL
minimum switching current	10 mA
Minimum switching capacity	1200 mW
Rated operational voltage limits	18...33.6 V DC
[Ui] rated insulation voltage	250 V conforming to EN/IEC 277 V conforming to cUL
Operating time	5 ms reset 12 ms
Maximum switching voltage	277 V
Drop-out voltage threshold	>= 0.05 Uc
Load current	6 A at 250 V AC 0.5 mm mounting distance
Maximum switching capacity	1500 VA 50 W
Average resistance	3390 Ohm at 23 °C +/- 15 %
Average coil consumption	0.17 W
Mechanical durability	10000000 cycles
Electrical durability	60000 cycles, 6 A at 250 V, AC-1 C/O
Safety reliability data	B10d = 60000

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	<= 360 cycles/hour under load <= 18000 cycles/hour no-load
Protection category	RT III
Mounting support	Socket or PCB
Operating position	Any position
Device presentation	Complete product
Contacts material	Silver alloy (AgSnO2)
Shape of pin	Flat (PCB type)
Net weight	0.0054 kg

Environment

Dielectric strength	1000 V AC between contacts 4000 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...55 °C
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
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

Contractual warranty

Warranty (in months)	18
----------------------	----



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 Better

Materials and Substances	
EU RoHS Directive	Compliant

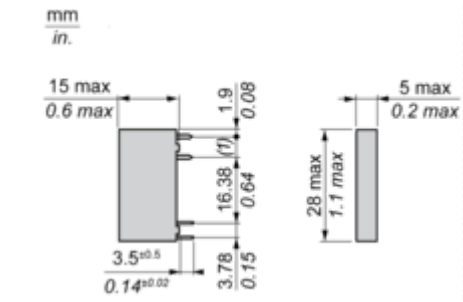
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Dimensions

Relay with Flat Pins (PCB Type)



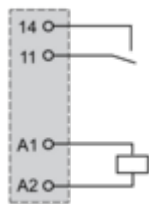
(1): 5.04 mm / 0.19 in.

Connections and Schema

Wiring Diagram

Relay with Flat Pins (PCB Type)

1 N/O contact

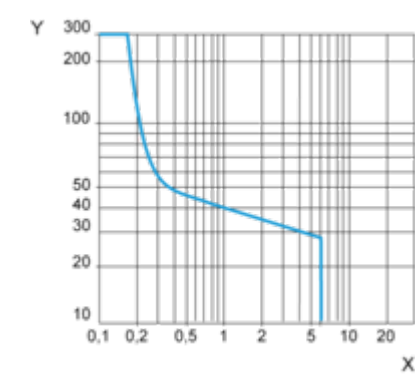


Performance Curves

Curves for Resistive Load

Maximum Switching Capacity on DC Load

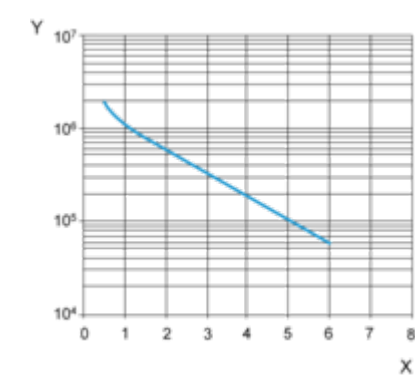
Resistive load



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.