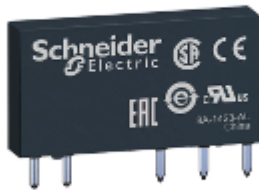


# Product Datasheet

## Characteristic

# RSL1AB4BD

slim interface plug in relay, Harmony  
Electromechanical Relays, 6A, 1CO,  
standard, 24V DC



### Main

Range of product	Harmony Electromechanical Relays
Series name	Slim interface relay
product or component type	Plug-in relay
Device short name	RSL
Contacts type and composition	1 C/O
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 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	100 mA
Maximum switching voltage	277 V
Minimum switching voltage	12 V
Maximum switching capacity	1500 VA 150 W
Minimum switching capacity	120 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

Test levels	Level A group mounting
Operating position	Any position
Width	5 mm
Height	28 mm
Depth	18.5 mm
Terminals description ISO n°1	(11-12-14)OC (A1-A2)CO
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 Uc
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 IEC 61810-1 UL 508
Product certifications	CSA UL EAC
Ambient air temperature for storage	-40...70 °C
Vibration resistance	+/- 1 mm (f= 10...55 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP40 conforming to IEC 60529
Shock resistance	5 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27 5 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27
Ambient air temperature for operation	-40...55 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.500 cm
Package 1 Width	1.500 cm
Package 1 Length	2.800 cm
Package 1 Weight	5.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	0.700 cm
Package 2 Width	2.400 cm
Package 2 Length	30.500 cm
Package 2 Weight	71.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	500
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	3.913 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Free of Substances of Very High Concern above the threshold
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	X
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1405004EN
Circularity Profile	ENVEOLI1405004EN
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Toxic free	Yes
Phenolic free solution	Yes