Product data sheet

Specification





slim interface plug in relay, Harmony Electromechanical Relays, 6A, 1CO, standard, 60V DC

RSL1AB4ND

Product availability: Stock - Normally stocked in distribution facility

Price*: 9.64 USD

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	60 V DC
[Ithe] Conventional Enclosed Thermal Current	6 A -40131 °F (-4055 °C)
Status Led	Without
Control Type	Without push-button

Complementary

Shape Of Pin	Flat (PCB type)
Average Resistance	16600 Ohm at 73 °F (23 °C) +/- 15 %
Rated Operational Voltage Limits	4584 V DC
[Ui] Rated Insulation Voltage	250 V IEC 277 V cUL
[Uimp] Rated Impulse Withstand Voltage	6 kV IEC
Contacts Material	Silver alloy (AgSnO2)
[le] Rated Operational Current	6 A AC-1/DC-1)IEC/UL
Minimum Switching Current	10 mA
Maximum Switching Voltage	277 V
Minimum Switching Voltage	12 V
Maximum Switching Capacity	1500 VA 50 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

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

Operating Time	5 ms reset	
	12 ms	
Protection Category	RT III	
Test Levels	Level A group mounting	
Operating Position	Any position	
Width	0.20 in (5 mm)	
Height	1.10 in (28 mm)	
Depth	0.73 in (18.5 mm)	
Terminals Description Iso N°1	(11-12-14)OC (A1-A2)CO	
Net Weight	0.01 lb(US) (0.0054 kg)	
Load Current	6 A 250 V AC 0.5 mm mounting distance	
Average Coil Consumption	0.21 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
	UL 508
	IEC 61810-1
Product Certifications	CSA
	UL
	EAC
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Vibration Resistance	+/- 1 mm 1055 Hz)IEC 60068-2-6
Ip Degree Of Protection	IP40 conforming to IEC 60529
Shock Resistance	5 gn 11 ms) not operating IEC 60068-2-27
	5 gn 11 ms) in operation IEC 60068-2-27
Ambient Air Temperature For Operation	-40131 °F (-4055 °C)

Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
Gtin	3606480078019	
Returnability	Yes	
Country Of Origin	CN	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.20 in (0.5 cm)

Package 1 Width	0.59 in (1.5 cm)	
Package 1 Length	1.10 in (2.8 cm)	
Package 1 Weight	0.18 oz (5 g)	
Unit Type Of Package 2	BB1	
Number Of Units In Package 2	10	
Package 2 Height	0.28 in (0.7 cm)	
Package 2 Width	0.94 in (2.4 cm)	
Package 2 Length	12.01 in (30.5 cm)	
Package 2 Weight	2.43 oz (69 g)	
Unit Type Of Package 3	S01	
Number Of Units In Package 3	500	
Package 3 Height	5.91 in (15 cm)	
Package 3 Width	5.91 in (15 cm)	
Package 3 Length	15.75 in (40 cm)	
Package 3 Weight	8.45 lb(US) (3.835 kg)	

Contractual warranty

Warranty 18 months



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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

Ø	Reach Free Of Svhc
Ø	Toxic Heavy Metal Free
Ø	Mercury Free
②	Rohs Exemption Information Yes
⊘	Toxic Free
⊘	Phenolic Free Solution

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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information

California Proposition 65

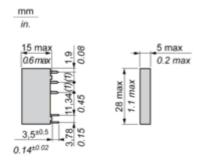
WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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Dimensions Drawings

Dimensions

Relay with Flat Pins (PCB Type)



(1): 5.04 mm / 0.19 in.

Product data sheet

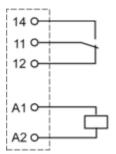
RSL1AB4ND

Connections and Schema

Wiring Diagram

Relay with Flat Pins (PCB Type)

1 C/O contact



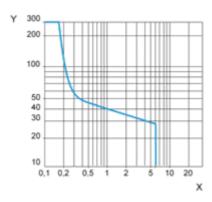
RSL1AB4ND

Performance Curves

Curves for Resistive Load

Maximum Switching Capacity on DC Load

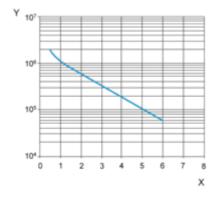
Resistive load



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.