Product data sheet

Specifications





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) |
| [Ie] 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 | 1000000 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

Sustainability Screen Premium

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

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
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

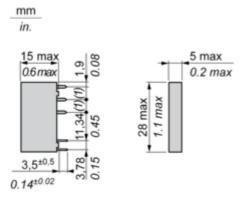
WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Product data sheet

Dimensions Drawings

Dimensions

Relay with Flat Pins (PCB Type)



(1): 5.04 mm / 0.19 in.

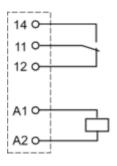
Product data sheet

Connections and Schema

Wiring Diagram

Relay with Flat Pins (PCB Type)

1 C/O contact

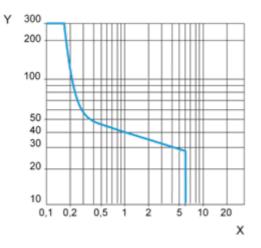


Performance Curves

Curves for Resistive Load

Maximum Switching Capacity on DC Load

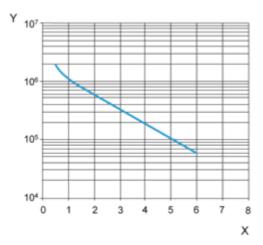
Resistive load



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.