Specifications





### slim interface relay, Harmony Electromechanical Relays, 6A, 1CO, low level, 48V DC

RSL1GB4ED

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Price\*: 14.46 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                               | Low level                                    |  |
| [Uc] control circuit voltage                    | 48 V DC                                      |  |
| [Ithe] conventional enclosed<br>thermal current | 6 A -40.000000000131.000000000 °F (-4055 °C) |  |
| Status LED                                      | Without                                      |  |
| Control Type                                    | Without push-button                          |  |

#### Complementary

| Shape of pin                           | Flat (PCB type)   |
|--|---|
| Average resistance                     | 10600 Ohm at 73.4 °F (23 °C) +/- 15 %                         |
| Rated operational voltage limits       | 3667.2 V DC   |
| [Ui] rated insulation voltage          | 250 V IEC<br>277 V cUL  |
| [Uimp] rated impulse withstand voltage | 6 kV IEC  |
| Contacts material                      | Silver alloy - gold plated (AgSnO2)                           |
| [le] rated operational current         | 6 A AC-1/DC-1)IEC/UL  |
| Minimum switching current              | 1 mA  |
| Maximum switching voltage              | 277 V   |
| Minimum switching voltage              | 24 V  |
| Maximum switching capacity             | 1500 VA<br>50 W   |
| Minimum switching capacity             | 24 mW   |
| Operating rate                         | <= 360 cycles/hour under load<br><= 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<br>12 ms                   |  |
|-------------------------------|---------------------------------------|--|
| Protection category           | RT III                                |  |
| Test levels                   | Level A group mounting                |  |
| Operating position            | Any position                          |  |
| Width                         | 0.2 in (5 mm)                         |  |
| Height                        | 1.1 in (28 mm)                        |  |
| Depth                         | 0.7 in (18.5 mm)                      |  |
| Terminals description ISO n°1 | (A1-A2)CO<br>(11-12-14)OC             |  |
| Net Weight                    | 0.0119 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<br>4000 V AC between coil and contact |
|---------------------------------------|--|
| Standards                             | IEC 61810-1<br>CSA C22.2 No 14                                   |
|                                       | UL 508   |
| Product Certifications                | CSA  |
|                                       | UL   |
|                                       | EAC  |
| Ambient Air Temperature for Storage   | -40.000000000158.000000000 °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 | -40.000000000131.000000000 °F (-4055 °C)                         |

## Ordering and shipping details

| Category          | US10CP221127  |  |
|-------------------|---------------|--|
| Discount Schedule | 0CP2          |  |
| GTIN              | 3606480077982 |  |
| Returnability     | No            |  |
| Country of origin | CN            |  |

### **Packing Units**

| Unit Type of Package 1       | PCE                 |  |
|------------------------------|---------------------|--|
| Number of Units in Package 1 | 1                   |  |
| Package 1 Height             | 0.276 in (0.700 cm) |  |

| Package 1 Width              | 0.787 in (2.000 cm)     |  |
|------------------------------|-------------------------|--|
| Package 1 Length             | 1.142 in (2.900 cm)     |  |
| Package 1 Weight             | 0.176 oz (5.000 g)      |  |
| Unit Type of Package 2       | BB1                     |  |
| Number of Units in Package 2 | 10                      |  |
| Package 2 Height             | 0.354 in (0.900 cm)     |  |
| Package 2 Width              | 0.984 in (2.500 cm)     |  |
| Package 2 Length             | 12.047 in (30.600 cm)   |  |
| Package 2 Weight             | 2.363 oz (67.000 g)     |  |
| Unit Type of Package 3       | S01                     |  |
| Number of Units in Package 3 | 500                     |  |
| Package 3 Height             | 5.906 in (15.000 cm)    |  |
| Package 3 Width              | 5.906 in (15.000 cm)    |  |
| Package 3 Length             | 15.748 in (40.000 cm)   |  |
| Package 3 Weight             | 7.934 lb(US) (3.599 kg) |  |

### **Contractual warranty**

Warranty

18 months

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> 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)<br>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<br>collection and never end up in rubbish bins. |
| Circularity Profile      | End of Life Information   |

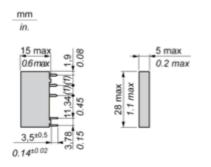
#### California Proposition 65

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

**Dimensions Drawings** 

#### Dimensions

#### Relay with Flat Pins (PCB Type)



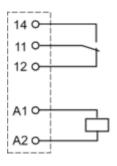
(1): 5.04 mm / 0.19 in.

Connections and Schema

#### Wiring Diagram

#### Relay with Flat Pins (PCB Type)

1 C/O contact

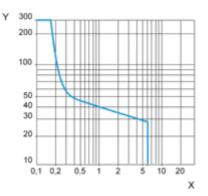


#### Performance Curves

#### **Curves for Resistive Load**

#### Maximum Switching Capacity on DC Load

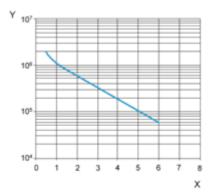
Resistive load



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.