# **Product datasheet**

Specification





Harmony. Slim interface relay preassembled. 6 A. 1 CO. with LED. with protection circuit. spring terminals. 230 V AC/DC

RSL1PRPU

Price: 412.04 ZAR

#### Main

| ********                                        |                                         |
|-------------------------------------------------|-----------------------------------------|
| Range Of Product                                | Harmony Electromechanical Relays        |
| Series Name                                     | Interface relay                         |
| Product Or Component Type                       | Pre-assembled plug-in relay with socket |
| Device Short Name                               | RSL                                     |
| Contacts Type And Composition                   | 1 C/O                                   |
| Contact Operation                               | Standard                                |
| [Uc] Control Circuit Voltage                    | 230 V AC/DC                             |
| [Ithe] Conventional Enclosed<br>Thermal Current | 6 A at -4055 °C                         |
| Status Led                                      | With                                    |
| Shape Of Pin                                    | Flat (PCB type)                         |

## Complementary

| Fixing Mode                            | Plastic compression spring                                    |
|----------------------------------------|---------------------------------------------------------------|
| Average Resistance                     | 20500 Ohm network: DC at 23 °C +/- 10 %                       |
| [Ui] Rated Insulation Voltage          | 250 V conforming to IEC<br>277 V conforming to cUL            |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to IEC                                        |
| Contacts Material                      | Silver alloy (AgSnO2)                                         |
| [le] Rated Operational Current         | 6 A 1 C/O (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<br>150 W                                              |
| Minimum Switching Capacity             | 120 mW                                                        |
| Operating Rate                         | <= 72000 cycles/hour no-load<br><= 360 cycles/hour under load |
| Mechanical Durability                  | 10000000 cycles                                               |
| Electrical Durability                  | 60000 cycles for resistive load, 6 A at 250 V, AC-1           |
| Operating Time                         | 5 ms reset<br>12 ms                                           |
| Reset Time                             | 20 ms                                                         |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| Marking                       | CE                                                                                                                                                      |  |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Protection Category           | RT III                                                                                                                                                  |  |
| Test Levels                   | Level A group mounting                                                                                                                                  |  |
| Operating Position            | Any position                                                                                                                                            |  |
| Height                        | 78.6 mm                                                                                                                                                 |  |
| Width                         | 6.2 mm                                                                                                                                                  |  |
| Depth                         | 101 mm                                                                                                                                                  |  |
| Terminals Description Iso N°1 | (A1-A2)CO<br>(11-12-14)OC                                                                                                                               |  |
| Sale Per Indivisible Quantity | 10                                                                                                                                                      |  |
| Net Weight                    | 0.029 kg                                                                                                                                                |  |
| Load Current                  | 6 A at 250 V AC 0.5 mm mounting distance                                                                                                                |  |
| Average Coil Consumption      | 0.17 W, DC                                                                                                                                              |  |
| Drop-Out Voltage Threshold    | >= 0.05 Uc                                                                                                                                              |  |
| Contact Terminal Arrangement  | Separate                                                                                                                                                |  |
| Connections - Terminals       | Spring terminals, 1 x 0.21 x 1.5 mm² (AWG 24AWG 16) flexible with cable end Spring terminals, 1 x 0.21 x 1.5 mm² (AWG 24AWG 16) solid without cable end |  |
| Safety Reliability Data       | B10d = 60000                                                                                                                                            |  |
| Clamping Force                | 1040 N                                                                                                                                                  |  |
| Control Type                  | Without push-button                                                                                                                                     |  |
| Mounting Support              | 35 mm symmetrical DIN rail                                                                                                                              |  |
| Device Presentation           | Complete product                                                                                                                                        |  |
| Environment                   |                                                                                                                                                         |  |
| Input Voltage                 | 230 V AC/DC (input voltage limit: 184264.5 V)                                                                                                           |  |
| Dielectric Strength           | 1000 V AC between contacts<br>4000 V AC between coil and contact                                                                                        |  |

| Input Voltage                         | 230 V AC/DC (input voltage limit: 184264.5 V)                                                                                                                                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Strength                   | 1000 V AC between contacts<br>4000 V AC between coil and contact                                                                                                                          |
| Standards                             | CSA C22.2 No 14<br>IEC 61810-1<br>UL 508                                                                                                                                                  |
| Product Certifications                | GOST<br>CSA<br>UL                                                                                                                                                                         |
| Ambient Air Temperature For Storage   | -4085 °C                                                                                                                                                                                  |
| Vibration Resistance                  | 10 gn, amplitude = +/- 1 mm (f = 10150 Hz)10 cycles not operating conforming to IEC 60068-2-6 5 gn, amplitude = +/- 1 mm (f = 10150 Hz)10 cycles in operation conforming to IEC 60068-2-6 |
| Ip Degree Of Protection               | IP40 conforming to IEC 60529                                                                                                                                                              |
| Shock Resistance                      | 10 gn (duration = 11 ms) for in operation conforming to IEC 60068-2-27 5 gn (duration = 11 ms) for not operating conforming to IEC 60068-2-27                                             |
| Ambient Air Temperature For Operation | -4070 °C                                                                                                                                                                                  |

# **Packing Units**

| Unit Type Of Package 1       | PCE |
|------------------------------|-----|
| Number Of Units In Package 1 | 1   |

| Package 1 Height             | 0.7 cm  |
|------------------------------|---------|
| Package 1 Width              | 8 cm    |
| Package 1 Length             | 9.7 cm  |
| Package 1 Weight             | 27 g    |
| Unit Type Of Package 2       | BB1     |
| Number Of Units In Package 2 | 10      |
| Package 2 Height             | 7 cm    |
| Package 2 Width              | 10.3 cm |
| Package 2 Length             | 8.5 cm  |
| Package 2 Weight             | 305 g   |
| Unit Type Of Package 3       | S03     |
| Number Of Units In Package 3 | 300     |
| Package 3 Height             | 30 cm   |
| Package 3 Width              | 30 cm   |
| Package 3 Length             | 40 cm   |
| Package 3 Weight             | 8.79 kg |

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

## Well-being performance

| <b>Ø</b> | Reach Free Of Svhc             |
|----------|--------------------------------|
| <b>Ø</b> | Toxic Heavy Metal Free         |
| <b>Ø</b> | Mercury Free                   |
| <b>Ø</b> | Rohs Exemption Information Yes |
| <b>⊘</b> | Toxic Free                     |
| <b>Ø</b> | 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                                                                                                     |

## **Dimensions Drawings**

## **Dimensions**

