Product data sheet

Specification





slim interface relay, Harmony Electromechanical Relays, pre assembled, 6A, 1CO, with LED, spring terminals, 24V AC/DC

RSL1PRBU

Product availability: Stock - Normally stocked in distribution facility

Price*: 19.15 USD

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 | 24 V AC/DC |
| [Ithe] Conventional Enclosed Thermal Current | 6 A -40131 °F (-4055 °C) |
| Status Led | With |
| Shape Of Pin | Flat (PCB type) |

Complementary

| Fixing Mode | Plastic compression spring |
|----------------------------------------|---------------------------------------------------------------|
| Average Resistance | 3390 Ohm DC 23 °C +/- 10 % |
| [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 1 C/O AC-1/DC-1)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 | <= 72000 cycles/hour no-load <= 360 cycles/hour under load |
| Mechanical Durability | 10000000 cycles |
| Electrical Durability | 60000 cycles resistive, 6 A 250 V, AC-1 |

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 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marking | CE |
| Protection Category | RT III |
| Test Levels | Level A group mounting |
| Operating Position | Any position |
| Height | 3.09 in (78.6 mm) |
| Width | 0.24 in (6.2 mm) |
| Depth | 3.98 in (101 mm) |
| Terminals Description Iso N°1 | (A1-A2)CO (11-12-14)OC |
| Sale Per Indivisible Quantity | 10 |
| Net Weight | 0.06 lb(US) (0.029 kg) |
| Load Current | 6 A 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 | 24 V AC/DC 21.628.8 V) |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Dielectric Strength | 1000 V AC between contacts 4000 V AC between coil and contact |
| Standards | IEC 61810-1 CSA C22.2 No 14 UL 508 |
| Product Certifications | UL CSA GOST |
| Ambient Air Temperature For Storage | -40185 °F (-4085 °C) |
| Vibration Resistance | 10 gn +/- 1 mm 10150 Hz)10 cycles not operating IEC 60068-2-6 5 gn +/- 1 mm 10150 Hz)10 cycles in operation IEC 60068-2-6 |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Shock Resistance | 10 gn 11 ms) in operation IEC 60068-2-27 5 gn 11 ms) not operating IEC 60068-2-27 |
| Ambient Air Temperature For Operation | -40131 °F (-4055 °C) |

Ordering and shipping details

| Category | US10CP221127 |
|-------------------|--------------|
| Discount Schedule | 0CP2 |

| Gtin | 3606480077906 |
|-------------------|---------------|
| Returnability | Yes |
| Country Of Origin | CN |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-------------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 0.31 in (0.800 cm) |
| Package 1 Width | 3.15 in (8.000 cm) |
| Package 1 Length | 4.13 in (10.500 cm) |
| Package 1 Weight | 0.99 oz (28 g) |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 10 |
| Package 2 Height | 2.76 in (7.000 cm) |
| Package 2 Width | 3.46 in (8.800 cm) |
| Package 2 Length | 4.33 in (11.000 cm) |
| Package 2 Weight | 10.86 oz (308 g) |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 300 |
| Package 3 Height | 11.81 in (30.000 cm) |
| Package 3 Width | 11.81 in (30.000 cm) |
| Package 3 Length | 15.75 in (40.000 cm) |
| Package 3 Weight | 21.57 lb(US) (9.782 kg) |

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

| ⊘ | Reach Free Of Svhc |
|----------|--------------------------------|
| ⊘ | Toxic Heavy Metal Free |
| Ø | Mercury Free |
| ② | Rohs Exemption Information Yes |
| ② | Toxic Free |
| ② | 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

Dimensions Drawings

Dimensions

