

RSL1PRBU

Interface plug-in relay, 6 A, 1 CO, with LED, 24 V DC



Main

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|----------------------------------------------|--------------------------------|
| Range of product | Harmony Relay |
| Series name | 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 | 24 V DC |
| [Ithe] conventional enclosed thermal current | 6 A -40...131 °F (-40...55 °C) |
| Status LED | With |
| Shape of pin | Flat (PCB type) |

Complementary

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|----------------------------------------|---------------------------------------------------------------|
| Fixing mode | Plastic compression spring |
| Average resistance | 3390 Ohm DC 23 °C +/- 10 % |
| [Ui] rated insulation voltage | 250 V EN/IEC 277 V cUL |
| [Uimp] rated impulse withstand voltage | 6 kV IEC |
| Contacts material | Silver alloy (AgSnO2) |
| [Ie] rated operational current | 6 A 1 C/O AC-1/DC-1)IEC/UL |
| Minimum switching current | 100 mA |
| Maximum switching voltage | 277 V |
| 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 |
| 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) |
| Maximum 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 |

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| Contact terminal arrangement | Separate |
| Connections - terminals | Spring terminals, 1 x 0.2...1 x 1.5 mm ² AWG 24...AWG 16) flexible with cable end Spring terminals, 1 x 0.2...1 x 1.5 mm ² AWG 24...AWG 16) solid without cable end |
| Tightening torque | 10...40 N.m |
| Safety reliability data | B10d = 60000 |
| Clamping force | 10...40 N |
| Control type | Without push-button |
| Mounting support | 35 mm symmetrical DIN rail |
| Device presentation | Complete product |

Environment

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| Input voltage | 24 V AC/DC 21.6...28.8 V) |
| Dielectric strength | 1000 V AC between contacts 4000 V AC between coil and contact |
| Standards | EN/IEC 61810-1 CSA C22.2 No 14 UL 508 |
| Product certifications | UL CSA GOST |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Vibration resistance | 10 gn +/- 1 mm 10...150 Hz)10 cycles not operating EN/IEC 60068-2-6 5 gn +/- 1 mm 10...150 Hz)10 cycles in operation EN/IEC 60068-2-6 |
| IP degree of protection | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 10 gn 11 ms) in operation EN/IEC 60068-2-27 5 gn 11 ms) not operating EN/IEC 60068-2-27 |
| Ambient air temperature for operation | -40...55 °C |

Ordering and shipping details

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| Category | 21127 - ZELIO ICE CUBE RELAYS |
| Discount Schedule | CP2 |
| GTIN | 00785901645917 |
| Nbr. of units in pkg. | 10 |
| Package weight(Lbs) | 0.07 lb(US) (0.03 kg) |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

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| Package 1 Height | 0.060 dm |
| Package 1 width | 1.010 dm |
| Package 1 Length | 0.790 dm |

Offer Sustainability

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| 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 |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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Dimensions

