

Product data sheet

Specifications



Plug in relay, Zelio Relay with suppressor, RHK, latching, 4 C/O, 48 V DC, 1 A

RHK422EA76

⚠ Discontinued on: Jan 18, 2021

⚠ Discontinued

Main

| | |
|--|-----------------------|
| Range Of Product | Harmony Relay |
| Product Or Component Type | Plug-in relay |
| Device Short Name | RHK |
| Contacts Type And Composition | 4 C/O |
| Contact Operation | Latching Low level |
| [Uc] Control Circuit Voltage | 48 V DC |
| [Ithe] Conventional Enclosed Thermal Current | 1 A 40 °C |
| Status Led | Without |
| Control Type | Manual control |
| Coil Interference Suppression | With |

Complementary

| | |
|--------------------------------|---|
| [Ui] Rated Insulation Voltage | 250 V |
| Operating Position | Any position |
| Minimum Switching Capacity | 50 mVA at 1 mA 50 mVA, 1 V |
| Contact Bounce Time | <= 10 ms |
| Maximum Voltage Drop | <100 V for 3 A at 24 V |
| Average Resistance | 30 mOhm at 20 °C |
| Average Coil Consumption | 1.6 W at 20 °C on coil 1 2.9 W at 20 °C on coil 2 |
| Control Circuit Voltage Limits | 0.8...1.1 Uc conforming to IEC 60255 |
| Drop-Out Voltage Threshold | 0.1...0.3 Uc |
| Time Constant | 12 ms for open contact(s) 15 ms for closed contact(s) |
| Mechanical Durability | 10000000 cycles |
| Maximum Operating Rate | 2 cyc/mn |
| Operating Time | 10...14 ms between energisation of trip coil and closing of NC contact at 20 °C 12...22 ms between energisation of coil and closing of NO contact at 20 °C 1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation |
| Minimum Pulse Duration | 50 ms |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|-------------------------------|--|
| Cad Overall Width | 33 mm |
| Cad Overall Height | 43 mm |
| Cad Overall Depth | 90 mm |
| Terminals Description Iso N°1 | (41-42-44)OC (B1-B2)CO (A1-A2)CO (11-12-14)OC (21-22-24)OC (31-32-34)OC |
| Net Weight | 0.09 kg |
| Compatibility Code | RHK |

Environment

| | |
|---------------------------------------|--|
| Standards | NF C 45-250 BS 4794 VDE 0435 IEC 255 |
| Product Certifications | USSR ASE CSA BV EDF UR |
| Protective Treatment | TC |
| Dielectric Strength | 2500 V |
| Ambient Air Temperature For Operation | -5...40 °C conforming to IEC 60255 |
| Ambient Air Temperature For Storage | -40...70 °C |
| Vibration Resistance | 6 gn (f= 10...55 Hz) conforming to IEC 60068-2-6 6 gn (f= 10...55 Hz) conforming to NF C 20-616 |
| Shock Resistance | 30 gn for 11 ms conforming to NF C 20-608 |

Packing Units

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|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 5.5 cm |
| Package 1 Width | 11.5 cm |
| Package 1 Length | 5 cm |
| Package 1 Weight | 152 g |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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Sustainability

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[Guide to assess a product’s sustainability >](#)



Transparency

Well-being performance

| | |
|------------------------------|--|
| ✓ Toxic Heavy Metal Free | |
| ✓ Mercury Free | |
| ✓ Rohs Exemption Information | Yes |
| 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 |