

Product data sheet

Specifications



plug-in relay - Harmony RHN -
instantaneous - 4 C/O - 230 V AC
50 Hz - 5 A

RHN411UG

⚠ Discontinued on: Oct 1, 2021

⚠ Discontinued

Main

| | |
|--|---------------------------|
| Range Of Product | Harmony Relay |
| Product Or Component Type | Plug-in relay |
| Device Short Name | RHN |
| Contacts Type And Composition | 4 C/O |
| Contact Operation | Instantaneous Standard |
| [Uc] Control Circuit Voltage | 230 V AC 50 Hz |
| [Ithe] Conventional Enclosed Thermal Current | 5 A 40 °C |
| Status Led | Without |
| Control Type | Manual control |
| Coil Interference Suppression | Without |

Complementary

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|--------------------------------|---|
| [Ui] Rated Insulation Voltage | 250 V |
| Test Levels | Level A group mounting |
| Operating Position | Any position |
| Minimum Switching Capacity | 150 mVA at 10 mA 150 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 In Va | 2.5 (holding) at 20 °C 4.5 (inrush) at 20 °C |
| Control Circuit Voltage Limits | 0.8...1.1 Uc conforming to IEC 60255 |
| Drop-Out Voltage Threshold | 0.15...0.5 Uc |
| Cos Phi | 0.6 (inrush) 0.7 (holding) |
| Mechanical Durability | 20000000 cycles |
| Maximum Operating Rate | 6 cyc/mn |
| Operating Time | 2...15 ms between energisation of coil and closing of NO contact at 20 °C 1.2...12 ms between de-energisation of coil and closing of NC contact at 20 °C 1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation |

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

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|-------------------------------|---|
| Cad Overall Width | 33 mm |
| Cad Overall Height | 43 mm |
| Cad Overall Depth | 54 mm |
| Terminals Description Iso N°1 | (21-22-24)OC (A1-A2)CO (31-32-34)OC (41-42-44)OC (11-12-14)OC |
| Net Weight | 0.09 kg |
| Compatibility Code | RHN |

Environment

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|---------------------------------------|--|
| Standards | BS 4794 NF C 45-250 IEC 60255 VDE 0435 |
| Product Certifications | CSA BV ASE USSR UR EDF |
| 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 | 50 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 cm |
| Package 1 Width | 5.5 cm |
| Package 1 Length | 7.8 cm |
| Package 1 Weight | 96 g |

Contractual warranty

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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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 |
|--------------------------|---|

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|------------------------------|--|
| China Rohs Regulation | China RoHS declaration |
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| Environmental Disclosure | Product Environmental Profile |
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|-------------|---|
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
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|----------------------------|---|
| Circularity Profile | End of Life Information |
|----------------------------|---|

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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 |
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