

# Product data sheet

Specifications



## Plug in relay, Harmony Relay with suppressor, RHK, latching, 4 C/O, 220 V DC, 5 A

RHK412MA76

⚠ Discontinued on: Oct 1, 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<br>Standard |
| [Uc] Control Circuit Voltage                 | 220 V DC             |
| [Ithe] Conventional Enclosed Thermal Current | 5 A 104 °F (40 °C)   |
| Status Led                                   | Without              |
| Control Type                                 | Manual control       |
| Coil Interference Suppression                | With                 |

### Complementary

|                                |   |
|--------------------------------|---|
| [Ui] Rated Insulation Voltage  | 250 V   |
| Test Levels                    | Level A group mounting  |
| Operating Position             | Any position  |
| Minimum Switching Capacity     | 150 mVA 10 mA<br>150 mVA, 1 V   |
| Contact Bounce Time            | <= 10 ms  |
| Maximum Voltage Drop           | <100 V for 3 A at 24 V  |
| Average Resistance             | 30 mOhm 68 °F (20 °C)   |
| Average Coil Consumption       | 1.6 W 68 °F (20 °C) coil 1<br>2.9 W 68 °F (20 °C) coil 2  |
| Control Circuit Voltage Limits | 0.8...1.1 Uc IEC 60255  |
| Drop-Out Voltage Threshold     | 0.1...0.3 Uc  |
| Time Constant                  | 12 ms open<br>15 ms closed  |
| 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 68 °F (20 °C)<br>12...22 ms between energisation of coil and closing of NO contact 68 °F (20 °C)<br>1...4 ms energisation/de-energisation<br>1.2...4 ms de-energisation/energisation |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                               |                       |
|-------------------------------|-----------------------|
| Minimum Pulse Duration        | 50 ms                 |
| Cad Overall Width             | 1.30 in (33 mm)       |
| Cad Overall Height            | 1.69 in (43 mm)       |
| Cad Overall Depth             | 3.54 in (90 mm)       |
| Terminals Description Iso N°1 | (11-12-14)OC          |
| Net Weight                    | 0.20 lb(US) (0.09 kg) |
| Compatibility Code            | RHK                   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 255<br>BS 4794<br>NF C 45-250<br>VDE 0435                |
| Product Certifications                | EDF<br>USSR<br>BV<br>ASE<br>UR<br>CSA                        |
| Protective Treatment                  | TC   |
| Dielectric Strength                   | 2500 V   |
| Ambient Air Temperature For Operation | 23...104 °F (-5...40 °C) IEC 60255                           |
| Ambient Air Temperature For Storage   | -40...158 °F (-40...70 °C)                                   |
| Vibration Resistance                  | 6 gn 10...55 Hz)IEC 60068-2-6<br>6 gn 10...55 Hz)NF C 20-616 |
| Shock Resistance                      | 30 gn 11 ms NF C 20-608                                      |

## Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18073-SPARE PARTS DISCOUNT I |
| Discount Schedule | CP2                          |
| Gtin              | 3606485341637                |
| Returnability     | No                           |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type Of Package 1       | PCE               |
| Number Of Units In Package 1 | 1                 |
| Package 1 Height             | 2.17 in (5.5 cm)  |
| Package 1 Width              | 1.97 in (5 cm)    |
| Package 1 Length             | 4.53 in (11.5 cm) |
| Package 1 Weight             | 5.40 oz (153 g)   |

## Contractual warranty

|          |           |
|----------|-----------|
| 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-CO<sub>2</sub> 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](#)

|                          |   |
|--------------------------|---|
| <b>Eu Rohs Directive</b> | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
|--------------------------|---|

|                              |  |
|------------------------------|--|
| <b>China Rohs Regulation</b> | <a href="#">China RoHS declaration</a> |
|------------------------------|--|

|                                 |   |
|---------------------------------|---|
| <b>Environmental Disclosure</b> | <a href="#">Product Environmental Profile</a> |
|---------------------------------|---|

|             |  |
|-------------|--|
| <b>Weee</b> | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
|-------------|--|

|                            |   |
|----------------------------|---|
| <b>Circularity Profile</b> | <a href="#">End of Life Information</a> |
|----------------------------|---|

|                                  |  |
|----------------------------------|--|
| <b>California Proposition 65</b> | 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
|----------------------------------|--|