



## 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<br>Standard |
| [Uc] control circuit voltage                 | 48 V DC                   |
| [Ithe] conventional enclosed thermal current | 5 A 40 °C                 |
| Status LED                                   | Without                   |
| Control type                                 | Manual control            |
| Coil interference suppression                | Without                   |

## Complementary

|                                |   |
|--------------------------------|---|
| [Ui] rated insulation voltage  | 250 V   |
| Test levels                    | Level A group mounting  |
| Operating position             | Any position  |
| Minimum switching capacity     | 150 mVA at 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 at 20 °C  |
| Average coil consumption       | 1.6 W at 20 °C  |
| 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)<br>15 ms for closed contact(s)  |
| Mechanical durability          | 20000000 cycles   |
| Maximum operating rate         | 6 cyc/mn  |
| Operating time                 | 1...4 ms for energisation/de-energisation<br>1.2...4 ms for de-energisation/energisation<br>10...20 ms between energisation of coil and closing of NO contact at 20 °C<br>2...7 ms between de-energisation of coil and closing of NC contact at 20 °C |
| CAD overall width              | 33 mm   |
| CAD overall height             | 43 mm   |
| CAD overall depth              | 54 mm   |
| Terminals description ISO n°1  | (41-42-44)OC<br>(21-22-24)OC<br>(11-12-14)OC<br>(31-32-34)OC<br>(A1-A2)CO   |
| Net weight                     | 0.09 kg   |
| Compatibility code             | RHN   |

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## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | BS 4794<br>NF C 45-250<br>IEC 60255<br>VDE 0435  |
| Product certifications                | ASE<br>EDF<br>BV<br>UR<br>USSR<br>CSA  |
| 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<br>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

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 94 g    |
| Package 1 Height             | 5 cm    |
| Package 1 width              | 5.5 cm  |
| Package 1 Length             | 7.8 cm  |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 55      |
| Package 2 Weight             | 5.59 kg |
| Package 2 Height             | 15 cm   |
| Package 2 width              | 30 cm   |
| Package 2 Length             | 40 cm   |

## Offer Sustainability

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

## Contractual warranty

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