

# Product datasheet

Specifications



## plug-in relay - Harmony RHN - instantaneous - 4 C/O - 24 V AC 60 Hz - 1 A

RHN426JV

⚠ Discontinued on: 1 Jul 2020

⚠ 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<br>Low level |
| [Uc] control circuit voltage                 | 24 V AC 60 Hz              |
| [Ithe] conventional enclosed thermal current | 1 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     | 50 mVA at 1 mA<br>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 in VA | 2.5 (holding) at 20 °C<br>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)<br>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<br>1.2...12 ms between de-energisation of coil and closing of NC contact at 20 °C<br>1...3 ms for energisation/de-energisation<br>0.5...6 ms for de-energisation/energisation |
| CAD overall width              | 33 mm                                                                                                                                                                                                                                                   |

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 height            | 43 mm                                                                     |
| CAD overall depth             | 54 mm                                                                     |
| Terminals description ISO n°1 | (41-42-44)OC<br>(31-32-34)OC<br>(21-22-24)OC<br>(A1-A2)CO<br>(11-12-14)OC |
| Net weight                    | 0.09 kg                                                                   |
| Compatibility code            | RHN                                                                       |

## Environment

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Standards                             | BS 4794<br>IEC 60255<br>NF C 45-250<br>VDE 0435                                                    |
| Product certifications                | EDF<br>BV<br>ASE<br>CSA<br>USSR<br>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<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 Height             | 5.5 cm |
| Package 1 Width              | 5 cm   |
| Package 1 Length             | 7.5 cm |
| Package 1 Weight             | 94 g   |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |