

# Product datasheet

Specifications



## plug-in relay - Harmony RHN - instantaneous - 4 C/O - 120 V AC 60 HZ

RA01RHN416KF

⚠ Discontinued on: 1 Nov 2020

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### Main

Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contact operation	Standard Instantaneous
[Uc] control circuit voltage	120 V AC 60 Hz
[Ithe] conventional enclosed thermal current	5 A 40 °C
status LED	Without
Control type	Manual control

### Complementary

[Ui] rated insulation voltage	250 V
Operating position	Any position
Minimum switching capacity	150 mA at 10 mA 150 mA, 1 V
Contact bounce time	<= 10 ms
Maximum voltage drop	<100 mV for 3 A at 24 V
Average resistance	30 mOhm at 20 °C
Average coil consumption	4.5 W at 20 °C 2.5 W at 20 °C
Control circuit voltage limits	0.8...1.1 Uc conforming to IEC 60255
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
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	54 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

<b>Terminals description ISO n°1</b>	(21-22-24)OC (A1-A2)CO (11-12-14)OC (31-32-34)OC (41-42-44)OC
<b>Net weight</b>	0.09 kg

## Environment

<b>Standards</b>	VDE 0435 NF C 45-250 BS 4794 IEC 60255
<b>Product certifications</b>	BV ASE EDF CSA USSR UR
<b>Protective treatment</b>	TC
<b>Dielectric strength</b>	2500 V
<b>Ambient air temperature for operation</b>	-5...40 °C conforming to IEC 60255
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Vibration resistance</b>	6 gn (f= 10...55 Hz)
<b>Shock resistance</b>	50 gn for 11 ms conforming to NF C 20-616

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.5 cm
<b>Package 1 Width</b>	5 cm
<b>Package 1 Length</b>	7.8 cm
<b>Package 1 Weight</b>	0.094 kg

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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