

Product datasheet

Specifications



plug-in relay - Harmony RHN - instantaneous - 4 C/O - 120 V DC

RA01RHN412BN

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

Main

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	120 V DC
[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	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) 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 1.2...4 ms for de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact at 20 °C 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

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

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

Environment

Standards	VDE 0435 IEC 60255 BS 4794 NF C 45-250
Product certifications	ASE EDF USSR UR CSA BV
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)
Shock resistance	50 gn for 11 ms conforming to NF C 20-616

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	7.8 cm
Package 1 Weight	96 g

Contractual warranty

Warranty (in months)	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