

Product data sheet

Specifications



Plug in relay, Harmony Relay with suppressor, RHN, instantaneous, 4 C/O, 24 V DC, 5 A

RHN412BA76

⚠ Discontinued

⚠ Discontinued on: Oct 8, 2021

⚠ End-of-service on: Dec 31, 2023

Product availability: Non-Stock - Not normally stocked in distribution facility

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 Standard
[Uc] control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	5 A 104.0000000000 °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 150 mVA, 1 V
Contact bounce time	<= 10 ms
Maximum voltage drop	<100 V for 3 A at 24 V
Average resistance	30 mOhm 68.0000000000 °F (20 °C)
Average coil consumption	1.6 W 68.0000000000 °F (20 °C)
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 15 ms closed
Mechanical durability	20000000 cycles
Maximum operating rate	6 cyc/mn

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

Operating time	1...4 ms energisation/de-energisation 1.2...4 ms de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact 68.000000000 °F (20 °C) 2...7 ms between de-energisation of coil and closing of NC contact 68.000000000 °F (20 °C)
CAD overall width	1.3 in (33 mm)
CAD overall height	1.7 in (43 mm)
CAD overall depth	2.1 in (54 mm)
Terminals description ISO n°1	(31-32-34)OC (41-42-44)OC (11-12-14)OC (21-22-24)OC (A1-A2)CO
Net Weight	0.20 lb(US) (0.09 kg)
Compatibility code	RHN

Environment

Standards	NF C 45-250 BS 4794 VDE 0435 IEC 60255
Product Certifications	UR BV CSA USSR ASE EDF
protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	23.000000000...104.000000000 °F (-5...40 °C) IEC 60255
Ambient Air Temperature for Storage	-40.000000000...158.000000000 °F (-40...70 °C)
Vibration resistance	6 gn 10...55 Hz)IEC 60068-2-6 6 gn 10...55 Hz)NF C 20-616
Shock resistance	50 gn 11 ms NF C 20-608

Ordering and shipping details

Category	US1CP1018403
Discount Schedule	CP10
GTIN	3389110220636
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.05 in (5.2 cm)
Package 1 Width	2.2 in (5.5 cm)
Package 1 Length	3.07 in (7.8 cm)
Package 1 Weight	3.4 oz (95 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-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

Well-being performance

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Eu Rohs Directive [Pro-active compliance \(Product out of EU RoHS legal scope\)](#)
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

California Proposition 65 **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 www.P65Warnings.ca.gov
