

Product data sheet

Specifications



Plug in relay, Zelio Relay, RHN, instantaneous, 4 C/O, 48 V AC 50 Hz, 1 A

RHN421E

⚠ Discontinued on: Oct 1, 2021

⚠ 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	Low level Instantaneous
[Uc] Control Circuit Voltage	48 V AC 50 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 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 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) 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

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 Width	33 mm
Cad Overall Height	43 mm
Cad Overall Depth	54 mm
Terminals Description Iso N°1	(31-32-34)OC (A1-A2)CO (41-42-44)OC (11-12-14)OC (21-22-24)OC
Net Weight	0.09 kg
Compatibility Code	RHN

Environment

Standards	VDE 0435 NF C 45-250 IEC 60255 BS 4794
Product Certifications	USSR BV ASE CSA EDF 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 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 cm
Package 1 Width	5.5 cm
Package 1 Length	7.5 cm
Package 1 Weight	103 g

Contractual warranty

Warranty	18 months
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Sustainability

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

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Transparency

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
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information
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