

Product datasheet

Specifications



plug-in relay - Harmony RHN - instantaneous - 4 C/O - 24 V AC 50 Hz - 5 A

RHN411B

⚠ Discontinued on: 2 Apr 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	Instantaneous Standard
[Uc] Control Circuit Voltage	24 V AC 50 Hz
[Ithe] Conventional Enclosed Thermal Current	5 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	150 mVA at 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 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

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

Environment

Standards	IEC 60255 VDE 0435 NF C 45-250 BS 4794
Product Certifications	CSA EDF USSR BV UR ASE
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	5.2 cm
Package 1 Width	5.4 cm
Package 1 Length	7.7 cm
Package 1 Weight	98 g

Contractual warranty

Warranty	18 months
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Sustainability

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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](#)
