

Product data sheet

Specifications



Plug in relay, Zelio Relay, RHK, latching, 4 C/O, 110 V DC, 1 A

RHK422F

⚠ Discontinued on: Jan 18, 2021

⚠ Discontinued

Main

Range Of Product	Harmony Relay
Product Or Component Type	Plug-in relay
Device Short Name	RHK
Contacts Type And Composition	4 C/O
Contact Operation	Low level Latching
[Uc] Control Circuit Voltage	110 V DC
[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
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	1.6 W at 20 °C on coil 1 2.9 W at 20 °C on coil 2
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	10000000 cycles
Maximum Operating Rate	2 cyc/mn
Operating Time	10...14 ms between energisation of trip coil and closing of NC contact at 20 °C 12...22 ms between energisation of coil and closing of NO contact at 20 °C 1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation
Minimum Pulse Duration	50 ms

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	90 mm
Terminals Description Iso N°1	(31-32-34)OC (21-22-24)OC (11-12-14)OC (B1-B2)CO (41-42-44)OC (A1-A2)CO
Net Weight	0.09 kg
Compatibility Code	RHK

Environment

Standards	IEC 255 NF C 45-250 BS 4794 VDE 0435
Product Certifications	EDF ASE UR BV CSA USSR
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	30 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	3.4 cm
Package 1 Width	4.3 cm
Package 1 Length	10.3 cm
Package 1 Weight	140 g

Contractual warranty

Warranty	18 months
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Sustainability

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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