

Product datasheet

Specifications



plug-in relay - Zelio RHK - latching - 4 C/O - 110 V DC - 5 A

RHK412F

⚠ Discontinued on: 26 August 2022

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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	Latching Standard
[Uc] control circuit voltage	110 V DC
[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	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
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	90 mm
Terminals description ISO n°1	(B1-B2)CO (11-12-14)OC (A1-A2)CO (41-42-44)OC (21-22-24)OC (31-32-34)OC
Net weight	0.14 kg
Compatibility code	RHK

Environment

Standards	IEC 255 VDE 0435 BS 4794 NF C 45-250
Product certifications	EDF BV UR USSR ASE CSA
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	5.1 cm
Package 1 Width	5.5 cm
Package 1 Length	11.5 cm
Package 1 Weight	155 g

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

WEEE

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

Contractual warranty

Warranty

18 months

Recommended replacement(s)

RHK412F is replaced by the following product range:



Harmony Electromechanical Relays

Interface, miniature, and power electromechanical relays

Products: 309