

# Product Datasheet

## Characteristic

## RHK416KF

plug-in relay - Zelio RHK - latching - 4 C/  
O - 120 V AC 60 Hz - 5 A



## Main

range of product	Zelio 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	120 V AC 60 Hz
[Ithe] conventional enclosed thermal current	5 A 104 °F (40 °C)
status LED	Without
control type	Manual control
coil interference suppression	Without

## Complementary

[Ui] rated insulation voltage	250 V
test levels	Level A
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 °F (20 °C)
average coil consumption in VA	6 inrush) coil 1 1.3 holding) coil 2 2.5 inrush) coil 2 3.5 holding) coil 1
control circuit voltage limits	0.8...1.1 Uc IEC 60255
drop-out voltage threshold	0.15...0.5 Uc
cos phi	0.6 inrush) 0.7 holding)
mechanical durability	10000000 cycles
maximum operating rate	2 cyc/mn
operating time	5...17 ms between energisation of coil and closing of NO contact 68 °F (20 °C)

	8...16 ms between energisation of trip coil and closing of NC contact 68 °F (20 °C) 1...3 ms energisation/de-energisation 0.5...6 ms de-energisation/energisation
minimum pulse duration	50 ms
CAD overall width	1.30 in (33 mm)
CAD overall height	1.69 in (43 mm)
CAD overall depth	3.54 in (90 mm)
terminals description ISO n°1	(11-12-14)OC
net weight	0.31 lb(US) (0.14 kg)
compatibility code	RHK

## Environment

standards	VDE 0435 BS 4794 IEC 255 NF C 45-250
product certifications	ASE USSR EDF BV UR CSA
protective treatment	TC
dielectric strength	2500 V
ambient air temperature for operation	23...104 °F (-5...40 °C) IEC 60255
ambient air temperature for storage	-40...158 °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	30 gn 11 ms NF C 20-608

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	X
Environmental Disclosure	ENVPEP1706007EN
Circularity Profile	ENVEOLI1706007EN
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.