

Product datasheet

Specifications



Plug in relay, Harmony Relay, RHK, latching, 4 C/O, 120 V AC 60 Hz, 5 A

RHK416KF

⚠ Discontinued on: Nov 1, 2020

⚠ 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	Latching Standard
[Uc] control circuit voltage	120 V AC 60 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	6 (inrush) on coil 1 1.3 (holding) on coil 2 2.5 (inrush) on coil 2 3.5 (holding) on coil 1
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	10000000 cycles
maximum operating rate	2 cyc/mn
Operating time	5...17 ms between energisation of coil and closing of NO contact at 20 °C 8...16 ms between energisation of trip 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

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	(11-12-14)OC
Product weight	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	-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

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No