



### 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	Low level Latching
[Uc] control circuit voltage	48 V DC
[Ithe] conventional enclosed thermal current	1 A at $\leq 40\text{ }^{\circ}\text{C}$
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	50 mVA / 1 V 50 mVA at 1 mA
Contact bounce time	$\leq 10\text{ ms}$
Voltage drop	$\leq 100\text{ V}$ for 3 A at 24 V
Average resistance	30 mOhm at $20\text{ }^{\circ}\text{C}$
Average coil consumption	1.6 W at $20\text{ }^{\circ}\text{C}$ on coil 1 2.9 W at $20\text{ }^{\circ}\text{C}$ 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
Operating rate	$\leq 2\text{ cyc/mn}$
Operating time	1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation 10...14 ms between energisation of trip coil and closing of NC contact at $20\text{ }^{\circ}\text{C}$ 12...22 ms between energisation of coil and closing of NO contact at $20\text{ }^{\circ}\text{C}$

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	(A1-A2)CO (31-32-34)OC (41-42-44)OC (B1-B2)CO (21-22-24)OC (11-12-14)OC
Product weight	0.09 kg

## Environment

Standards	BS 4794 VDE 0435 IEC 255 NF C 45-250
Product certifications	BV ASE EDF UR 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

## Contractual warranty

Warranty period	18 months
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