



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	Standard Latching
[Uc] control circuit voltage	48 V DC
[Ithe] conventional enclosed thermal current	5 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	150 mVA / 1 V 150 mVA at 10 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 $20\text{ }^{\circ}\text{C}$

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	(31-32-34)OC (A1-A2)CO (41-42-44)OC (11-12-14)OC (B1-B2)CO (21-22-24)OC
Product weight	0.14 kg

Environment

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