



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 Low level
[Uc] control circuit voltage	24 V AC, 50 Hz
[Ithe] conventional enclosed thermal current	1 A at ≤ 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	50 mVA / 1 V 50 mVA at 1 mA
Contact bounce time	≤ 10 ms
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
Operating rate	≤ 2 cyc/mn
Operating time	1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation

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

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

Environment

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