



### Main

Range of product	Zelio Relay
Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contact operation	Standard Instantaneous
[Uc] control circuit voltage	42 V AC, 50 Hz
[Ithe] conventional enclosed thermal current	5 A at $\leq 40$ °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 / 1 V 150 mVA at 10 mA
Contact bounce time	$\leq 10$ ms
Voltage drop	$\leq 100$ V for 3 A at 24 V
Average resistance	30 mOhm at 20 °C
Average coil consumption in VA	2.5 (holding) at 20 °C 4.5 (inrush) at 20 °C
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	20000000 cycles
Operating rate	$\leq 6$ cyc/mn
Operating time	1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation 2...15 ms between energisation of coil and closing of NO contact at 20 °C 1.2...12 ms between de-energisation of coil and closing of NC contact at 20 °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

CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	54 mm
Terminals description ISO n°1	(31-32-34)OC (41-42-44)OC (11-12-14)OC (A1-A2)CO (21-22-24)OC
Product weight	0.09 kg

## Environment

Standards	IEC 60255 BS 4794 NF C 45-250 VDE 0435
Product certifications	USSR EDF CSA UR ASE BV
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	50 gn for 11 ms conforming to NF C 20-608

## Contractual warranty

Warranty period	18 months
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