



Main

Range of product	Zelio Relay
Product or component type	Plug-in relay
Device short name	RHN
Contacts type and composition	4 C/O
Contacts operation	Instantaneous Low level
Control circuit voltage	48 V AC, 50 Hz
[the] 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
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 $20\text{ }^{\circ}\text{C}$
Switching time	0.5...6 ms for de-energisation/energisation 1...3 ms for energisation/de-energisation
Average consumption in VA	4.5 (inrush) at $20\text{ }^{\circ}\text{C}$ 2.5 (holding) at $20\text{ }^{\circ}\text{C}$
Control circuit voltage limits	0.8...1.1 U_c conforming to IEC 60255
Drop-out voltage threshold	0.15...0.5 U_c
Cos phi	0.7 (holding) 0.6 (inrush)
Mechanical durability	20000000 cycles
Operating rate	$\leq 6\text{ cyc/mn}$
Operating time	1.2...12 ms between de-energisation of coil and closing of NC contact at $20\text{ }^{\circ}\text{C}$ 2...15 ms between energisation of coil and closing of NO contact at $20\text{ }^{\circ}\text{C}$
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	54 mm
Terminals description ISO n°1	(11-12-14)OC (21-22-24)OC (31-32-34)OC (41-42-44)OC (A1-A2)CO
Product weight	0.09 kg

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Environment

Standards	BS 4794 IEC 60255 NF C 45-250 VDE 0435
Product certifications	ASE BV CSA EDF UR 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 NF C 20-616 6 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to NF C 20-608