



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 Standard
Control circuit voltage	110 V AC, 50 Hz
[the] 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
Operating position	Any position
Minimum switching capacity	150 mVA at 10 mA 150 mVA/1 V
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	1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation
Average consumption in VA	2.5 (holding) at $20\text{ }^{\circ}\text{C}$ 4.5 (inrush) 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	0.6 (inrush) 0.7 (holding)
Mechanical durability	20000000 cycles
Operating rate	$\leq 6\text{ cyc/mn}$
Operating time	2...15 ms between energisation of coil and closing of NO contact at $20\text{ }^{\circ}\text{C}$ 1.2...12 ms between de-energisation of coil and closing of NC 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 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
RoHS EUR status	Compliant
RoHS EUR conformity date	0650