



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	Instantaneous Standard
[Uc] control circuit voltage	12 V DC
[Ithe] conventional enclosed thermal current	5 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	150 mVA / 1 V 150 mVA at 10 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	1.6 W at 20 °C
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	20000000 cycles
Operating rate	≤ 6 cyc/mn
Operating time	1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact at 20 °C 2...7 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 (21-22-24)OC (41-42-44)OC (11-12-14)OC (A1-A2)CO
Product weight	0.09 kg

Environment

Standards	IEC 60255 BS 4794 NF C 45-250 VDE 0435
Product certifications	UR BV ASE CSA EDF 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

Contractual warranty

Warranty period	18 months
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