



### 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 Low level
[Uc] control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	1 A at <= 104 °F (40 °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 at 1 mA 50 mVA/1 V
Contact bounce time	<= 10 ms
Voltage drop	<= 100 V for 3 A at 24 V
Average resistance	30 mOhm at 68 °F (20 °C)
Average coil consumption	1.6 W at 68 °F (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 open contact(s) 15 ms closed contact(s)
Mechanical durability	20000000 cycles
Operating rate	<= 6 cyc/mn
Operating time	10...20 ms between energisation of coil and closing of NO contact at 68 °F (20 °C) 2...7 ms between de-energisation of coil and closing of NC contact at 68 °F (20 °C) 1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation
CAD overall width	1.3 in (33 mm)
CAD overall height	1.69 in (43 mm)
CAD overall depth	2.13 in (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	0.2 lb(US) (0.09 kg)

### 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	23...104 °F (-5...40 °C) conforming to IEC 60255
ambient air temperature for storage	-40...158 °F (-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 11 ms conforming to NF C 20-608

## Offer Sustainability

WARNING: This product can expose you to chemicals including:

Nickel compounds, which is known to the State of California to cause cancer, and

Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.

For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)