



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	42 V DC
[Ithe] 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 / 1 V 150 mVA at 10 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 °C
Average coil consumption	1.6 W at 20 °C
Control circuit voltage limits	0.8...1.1 U _c conforming to IEC 60255
Drop-out voltage threshold	0.1...0.3 U _c
Time constant	12 ms for open contact(s) 15 ms for closed contact(s)
Mechanical durability	20000000 cycles
Operating rate	$\leq 6\text{ cyc/mn}$
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
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	54 mm
Terminals description ISO n°1	(31-32-34)OC (11-12-14)OC (41-42-44)OC (21-22-24)OC (A1-A2)CO
Product weight	0.09 kg

Environment

Standards	BS 4794 IEC 60255 VDE 0435 NF C 45-250
Product certifications	EDF BV UR USSR ASE CSA
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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Product Life Status : **Commercialised**