



## Main

Range of product	Zelio Relay
Product or component type	Plug-in relay Timing relay
Device short name	RHR
Contacts type and composition	4 C/O
Contacts operation	Standard
Control circuit voltage	12 V AC/DC, 50/60 Hz
Time delay type	Off-delay
Time delay range	0.2...3 s 1.5...30 s 15...300 s
[Ithe] conventional enclosed thermal current	5 A at $\leq 40\text{ }^{\circ}\text{C}$
Status LED	With
Control type	Selector switch
Coil interference suppression	With

## Complementary

[Ui] rated insulation voltage	250 V
Operating position	Any position
Minimum switching capacity	150 mVA at 10 mA / 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	1.2...4 ms DC for de-energisation/energisation 0.5...6 ms AC for de-energisation/energisation 1...4 ms DC for energisation/de-energisation 1...3 ms AC for energisation/de-energisation
Average consumption in W	2.5 W at $20\text{ }^{\circ}\text{C}$
Average consumption in VA	2.9 at $20\text{ }^{\circ}\text{C}$
Control circuit voltage limits	0.8...1.1 $U_c$ conforming to IEC 60255
Mechanical durability	20000000 cycles
Repeat accuracy	$\pm 1\%$
Setting accuracy of time delay	$\pm 15\%$ of full scale
Reset time	$\leq 100\text{ ms}$
CAD overall width	33 mm
CAD overall height	43 mm
CAD overall depth	108 mm
Terminals description ISO n°1	(11-12-14)OC (21-22-24)OC (31-32-34)OC (41-42-44)OC (B1-A2-B2)CO
Product weight	0.13 kg

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## Environment

Standards	IEC 60255 NF C 45-250 VDE 0435
Product certifications	ASE BV 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 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
Immunity to microbreaks	<= 2 ms after time delay <= 10 ms during time delay