

## Product datasheet

### Characteristics

# RHN412G

plug-in relay - Zelio RHN - instantaneous - 4 C/O -  
125 V DC - 5 A



### 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	125 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
Operating position	Any position
Minimum switching capacity	150 mVA at 10 mA 150 mVA / 1 V
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	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 1...4 ms for energisation/de-energisation 1.2...4 ms for de-energisation/energisation
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

### Environment

standards	BS 4794 IEC 60255 NF C 45-250 VDE 0435
product certifications	ASE BV

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CSA  
EDF  
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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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