



RHN411D has not been replaced. Please contact your customer care center for more information.

⚠ Discontinued

### 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 AC, 50 Hz
[Ithe] conventional enclosed thermal current	5 A at $\leq 104$ °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	150 mVA/1 V 150 mVA at 10 mA
Contact bounce time	$\leq 10$ ms
Voltage drop	$\leq 100$ V for 3 A at 24 V
Average resistance	30 mOhm at 68 °F (20 °C)
Average coil consumption in VA	2.5 (holding) at 68 °F (20 °C) 4.5 (inrush) at 68 °F (20 °C)
Control circuit voltage limits	0.8...1.1 Uc conforming to IEC 60255
Drop-out voltage threshold	0.15...0.5 Uc
Cos phi	0.6 (inrush) 0.7 (holding)
Mechanical durability	20000000 cycles
Operating rate	$\leq 6$ cyc/mn
Operating time	1...3 ms for energisation/de-energisation 0.5...6 ms for de-energisation/energisation 2...15 ms between energisation of coil and closing of NO contact at 68 °F (20 °C) 1.2...12 ms between de-energisation of coil and closing of NC contact at 68 °F (20 °C)
CAD overall width	1.3 in (33 mm)

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 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

## Ordering and shipping details

Category	18073 - SPARE PARTS DISCOUNT I
Discount Schedule	CP2
Nbr. of units in pkg.	1
Package weight(Lbs)	0.20999999999999999
Returnability	N

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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