

# Product data sheet

## Characteristics

# RHN412E

Plug in relay, Zelio Relay, RHN, instantaneous, 4 C/O, 48 V DC, 5 A

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 123.00 USD



## Commercial status

This Product is Obsolete : OCT 08, 2021

 This Product is Obsolete

### Main

Range of Product	Harmony 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	48 V DC
[Ithe] conventional enclosed thermal current	5 A 104 °F (40 °C)
Status LED	Without
Control Type	Manual control
Coil interference suppression	Without

### Complementary

[Ui] rated insulation voltage	250 V
Test levels	Level A
Operating position	Any position
Minimum switching capacity	150 mVA 10 mA 150 mVA, 1 V
Contact bounce time	<= 10 ms
Maximum voltage drop	<100 V for 3 A at 24 V
Average resistance	30 MOhm 68 °F (20 °C)
Average coil consumption	1.6 W 68 °F (20 °C)
Control circuit voltage limits	0.8...1.1 Uc IEC 60255
Drop-out voltage threshold	0.1...0.3 Uc
Time constant	12 Ms open 15 Ms closed
Mechanical durability	20000000 Cycles
Maximum operating rate	6 Cyc/Mn

Operating time	1...4 ms energisation/de-energisation 1.2...4 ms de-energisation/energisation 10...20 ms between energisation of coil and closing of NO contact 68 °F (20 °C) 2...7 ms between de-energisation of coil and closing of NC contact 68 °F (20 °C)
CAD overall width	1.30 In (33 mm)
CAD overall height	1.69 In (43 mm)
CAD overall depth	2.13 In (54 mm)
Terminals description ISO n°1	(41-42-44)OC (21-22-24)OC (11-12-14)OC (31-32-34)OC (A1-A2)CO
Net Weight	0.20 Lb(US) (0.09 kg)
Compatibility code	RHN

## Environment

Standards	BS 4794 NF C 45-250 IEC 60255 VDE 0435
Product Certifications	ASE EDF BV UR USSR CSA
Protective treatment	TC
Dielectric strength	2500 V
Ambient air temperature for operation	23...104 °F (-5...40 °C) IEC 60255
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Vibration resistance	6 gn 10...55 Hz)IEC 60068-2-6 6 gn 10...55 Hz)NF C 20-616
Shock resistance	50 gn 11 ms NF C 20-608

## Ordering and shipping details

Category	18073 - SPARE PARTS DISCOUNT I
Discount Schedule	CP2
GTIN	3389110162929
Nbr. of units in pkg.	1
Package weight(Lbs)	3.35 Oz (95 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 In (5.5 cm)
Package 1 width	1.97 In (5 cm)
Package 1 Length	3.07 In (7.8 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	55
Package 2 Weight	12.24 Lb(US) (5.551 kg)
Package 2 Height	5.91 In (15 cm)
Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)

## Offer Sustainability

California proposition 65	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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Product Life Status : **End of commercialisation**

RHN412E is replaced by the following product range:



532

Interface, miniature, and power electromechanical relays (formerly known as Zelio Electromechanical Relays)

Substitution date: |

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