

## RN221N

### Active barrier with optional HART® diagnosis

Active barrier with power supply for safe separation of 4...20 mA current circuits



od **119,00 €**

Cena na dan 12.05.2021

Več informacij in aktualne cene:

[www.si.endress.com/RN221N](http://www.si.endress.com/RN221N)

#### Prednosti:

- Wide range power supply, flexible power source
- Compact side by side DIN rail housing
- International Ex approvals; marine approval
- Bidirectional HART® transmission. Communication sockets for HART® sensor setting up. Evaluation of status information from connected transmitter with HART® protocol.
- Primary or secondary master operating mode, automatic selection
- Sensor monitoring with early-warning system
- Manual or automatic reset of the relay contact

#### Lastnosti na dlani

- **Input** 1 x analog 4...20 mA
- **Output** 1 x analog 4...20 mA
- **Power Supply** Not defined

**Področje uporabe:** The active barrier RN221N supplies e.g. a transmitter with power, if required also in the Ex-area, and then transmits the galvanically isolated signal. With the optionally available HART® monitoring the status of the transmitter is monitored. If an error arises a relay at the RN221N sends an alarm. The relay has to be actively set back. Thus even just briefly occurring errors can be easily located.

#### Lastnosti in specifikacije

## Acquisition / Evaluation

**Merilni princip**

Power supply

**Function**

Active barrier with power supply for safe separation of 4...20 mA current circuit

**Certification**

ATEX II(1)GD(Ex ia)IIC

FM USA IS

FM USA NI

CSA IS

CSA NI

IECEX Ex ia

TIIS Ex ia

GOST Ex i

Marine approval

SIL

Hygenic WHG

**Input**

1 x analog 4...20 mA

**Output**

1 x analog 4...20 mA

**Relay output**

1 x no contact

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**Acquisition / Evaluation**

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**Auxiliary power supply / Loop power supply**  
20...250 V DC/AC

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**Dimensions (wxhxd)**  
22.5 x 110 x 112 mm

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(0.89" x 4.33" x 4.41")

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**Operation**  
HART

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**Power supplies & barrier**

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**Merlini princip**  
Active barrier

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**Measuring principle**  
Power supply

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**Function**  
Active barrier with power supply for safe separation of 4...20 mA current circuit

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**Loop power supply**  
20...250 V DC/AC

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**Power Supply**  
Not defined

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**Auxiliary power supply / Loop power supply**  
20...250 V DC/AC

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**Input**  
1 x analog 4...20 mA

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**Output**  
1 x analog 4...20 mA

Power supplies & barrier

**Software functions**

Not defined

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**Certificates**

ATEX (Ex ia)

FM AIS

CSA (Ex ia)

IECEX (Ex ia)

NEPSI (Ex ia)

JPN (Ex ia)

Non-hazardous area + EAC marking

EAC (Ex ia)

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**SIL**

Not defined

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**Operation**

HART

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