

RN221N

Active barrier with optional HART® diagnosis

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



từ **119,00 €**

Giá kể từ 10.05.2021

Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/RN221N

Lợi ích:

- 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

Tổng quan về thông số kỹ thuật

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

Phạm vi ứng dụng: 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.

Tín năng và thông số kỹ thuật

Acquisition / Evaluation

Measuring principle

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

Acquisition / Evaluation**Auxiliary power supply / Loop power supply**

20...250 V DC/AC

Dimensions (wxhxd)

22.5 x 110 x 112 mm

(0.89" x 4.33" x 4.41")

Operation

HART

Power supplies & barrier**Measuring principle**

Active barrier

Measuring principle

Power supply

Function

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

Loop power supply

20...250 V DC/AC

Power Supply

Not defined

Auxiliary power supply / Loop power supply

20...250 V DC/AC

Input

1 x analog 4...20 mA

Output

1 x analog 4...20 mA

Power supplies & barrier

Software functions

Not defined

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)

SIL

Not defined

Operation

HART

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