

## RN22 active barrier, power supply, analog signal doubler

Intrinsically safe 24 V<sub>DC</sub> compact interface module for use in hazardous areas, SIL systems



### Fordele:

- Intrinsically safe interface device suited for use in safety instrumented systems up to SIL 2 (SC 3) in accordance with IEC 61508
- Quick and easy wiring with screw or push-in terminals or power supply via power rail T-connector
- Easy access to frontside HART® connection taps
- Compact housing: up to two channels on 12.5 mm (0.49 in) for efficient use of space in control cabinets

### Oversigt over specifikationer

- **Input** 0/4...20 mA / HART feeding/not feeding
- **Output** 0/4...20 mA / HART active/passive
- **Power Supply** 24 V DC

fra **1.485,00 kr.**

Pris pr. 02.12.2022

Yderligere oplysninger og aktuel pris::

[www.dk.endress.com/RN22](http://www.dk.endress.com/RN22)

**Anvendelsesområde:** The 1- or 2-channel RN22 active barrier powers analog instrument loops and **safety instrumented systems** up to SIL 2 (SC 3). The intrinsically safe, **HART®** transparent interface establishes a reliable link between field devices and process control. It interfaces with 2-/4-wire devices in hazardous areas and provides a second galvanically isolated signal output acc. to **NAMUR NE 175**. This opens a second channel for the process optimization domain without affecting the traditional automation system.

### Funktioner og specifikationer

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**Power supplies & barrier****Measuring principle**Active barrier

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**Measuring principle**Active barrier

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**Function**

1-channel

2-channel

Signal doubler

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**Loop power supply**

17,5 V  $\pm$  1 V bei 20 mA open circuit  
voltage: 24,5 V  $\pm$  5 %

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**Power Supply**24 V DC

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**Input**

0/4...20 mA / HART  
feeding/not feeding

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**Output**

0/4...20 mA / HART  
active/passive

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## Power supplies & barrier

### Certificates

ATEX II3G Ex tc IIIC Dc

CSA C/US AIS, I/2/ABCD

EAC [Ex ia Ga] IIC, [Ex ia Da] IIIC, Ex ec IIC Gc

JPN [Ex ia Ga] IIC, [Ex ia Da] IIIC, Ex ec IIC Gc

INMETRO [Ex ia Ga] IIC, [Ex ia Da] IIIC, Ex ec IIC Gc

NEPSI [Ex ia Ga] IIC, [Ex ia Da] IIIC, Ex ec IIC Gc

UK II3G Ex tc IIIC Dc

UK II(1)G [Ex ia Ga] IIC, II(1)D [Ex ia Da] IIIC, II3G Ex ec IIC Gc

ATEX IECEX II(1)G [Ex ia Ga] IIC, II(1)D [Ex ia Da] IIIC, II3G Ex ec IIC  
Gc

UL C/US

DNV

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### SIL

SIL 2 SC 3

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### Operation

HART

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Yderligere information [www.dk.endress.com/RN22](http://www.dk.endress.com/RN22)