

RLN22 isolating amplifier

Safe and reliable switching operations in critical systems



More information and current pricing:

www.us.endress.com/RLN22

Benefits:

- Safe and reliable switching operations: trust your critical applications
- Compact housing: up to 2 channels on 12.5 mm (0.49 in) for efficient use of space in control cabinets
- Installation in hazardous areas; Ex approval for Ex zone 2
- Up to SIL 2 in accordance with IEC 61508
- Quick and easy wiring and commissioning: plug-in terminals, power supply and group error message module via DIN rail bus connector

Specs at a glance

- **Input** NAMUR blocking: < 1,2 mA conducting: > 2,1 mA
- **Output** relay contact
- **Power Supply** 24 V DC

Field of application: The RLN22 is a compact 1- or 2-channel, 24 V_{DC} isolating amplifier with relay signal output. It is designed to safely operate e.g. proximity sensors or point level switches such as the **Liquiphant FTL51B** (NAMUR) as per IEC 60947-5-6. The DC interface monitors line faults such as breaks or short-circuits of sensors or mechanical switching contacts. The device is suited for use in hazardous areas and safety instrumented systems up to **SIL 2** in accordance with IEC 61508.

Features and specifications

Power supplies & barrier

Measuring principle

Active barrier

Power supplies & barrier

Measuring principle

NAMUR isolating amplifier

Function

1-channel, changeover contact
2-channel, normally open contact

Loop power supply

8 V DC

Power Supply

24 V DC

Auxiliary power supply / Loop power supply

8 V DC

Input

NAMUR
blocking: < 1,2 mA
conducting: > 2,1 mA

Output

relay contact

Certificates

ATEX
IECEX
DNV

SIL

SIL 2

Operation

DIP switch

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