

## RLN22 isolating amplifier

### Safe and reliable switching operations in critical systems



#### 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

from **€63.00**

Price as of 25.05.2022

More information and current pricing:

[www.easc.endress.com/RLN22](http://www.easc.endress.com/RLN22)

**Field of application:** The RLN22 is a compact 1- or 2-channel, 24 V<sub>DC</sub> 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

---

More information [www.easc.endress.com/RLN22](http://www.easc.endress.com/RLN22)