LENNTECH
WATER TREATMENT SOLUTIONS

RB223 passive barrier

One or two-channel barrier for the safe separation of 4...20 mA standard signal circuits



Benefits:

- Compact side-by-side housing for DIN rail
- Space-saving one-channel and two-channel version
- No power supply necessary
- International Ex approvals; Can be used up to SIL 3
- Bidirectional HART® transmission
- Communication sockets for HART® + integrated HART® resistor for sensor configuration

Specs at a glance

- **Input** 2 x analog 4...20 mA
- **Output** 2 x analog 4...20 mA

Field of application: The RB223 passive barrier can be used to galvanically isolate active signal circuits (0 to 20 mA) in three applications: Transmission from non-Ex to Ex areas e.g for active adjusters, controllers or indicators, Transmission from Ex to non-Ex areas for connection of active, intrinsically safe circuits to the PLC, Transmission from Ex to non-Ex areas for supply of intrinsically safe transmitters with non-intrinsically safe transmitter power supply.

Features and specifications

Power supplies & barrier

Measuring principle
Passive barrier

Measuring principle
Power supply

Power supplies & barrier

Function
Passive barrier for safe seperation of 4...20 mA current circuit

Loop power supply
Loop powered

Auxiliary power supply / Loop power supply
Loop powered

Input
2 x analog 4...20 mA

Output
2 x analog 4...20 mA

Certificates
ATEX (Ex ia)
FM AIS
SIL

Operation
HART

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