

Endress+Hauser Active barrier RN22-CB3A

Intrinsically safe active barrier that provides power and safety to analog instrument loops and SIL systems, establishing a reliable signal link between field devices and process control level.



Picture for reference only. Product appearance may vary based on configuration

The RN22 is a 1- or 2-channel active barrier, power supply or signal doubler for safe separation of 4 to 20 mA standard signal circuits. The device safely powers analog instrument loops and safety instrumented systems up to SIL 2, SC 3 (according to IEC 61508). The HART® transparent interface device establishes a reliable signal link between field devices and process control. It interfaces with 2- or 4-wire instruments in Zone 2 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.

- Active barrier for safe separation of standard signal circuits
- Compact housing
- Quick and easy wiring
- Intrinsic safety for operation in hazardous areas (Zone 2)
- For safety-oriented applications up to SIL 2 (SC 3) in accordance with IEC61508 (optional)

Configuration of RN22-CB3A:

Approval:	CB	CSA C/US AIS, I/2/ABCD
Channel:	3	Signal doubler
Electrical Connection:	A	Screw terminals

Alternative part number: RN22-11K0/0