



PROFIBUS-Interface

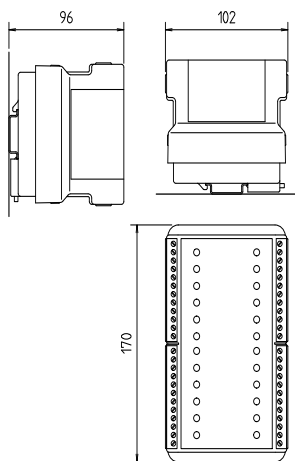
Features

- 8 channels
- 12 bit resolution
- Galvanic isolation
- LED display
- Programmable address on front panel

Description

This module allows the connection of transmitters to PROFIBUS-DP in the hazardous area. Two wire transmitters can be connected. The input signal is transmitted with 12 bit resolution and high-noise immunity.

Dimensions/mounting positions



Technical data

Construction

Flameproof, clip-on enclosure for TH 35 rail

Enclosure material

High-quality thermoplastics

Protection class

Module	IP 66
Terminals	IP 20
Terminals with cover	IP 30

Terminals

2.5 mm², fine stranded

Labelling

front panel label for markings

Display

LEDs on front panel

Storage temperature

-40 °C to +60 °C

Ambient temperature

-20 °C to +60 °C

Weight

2.1 kg

Electrical data

Supply voltage

DC 20 V to DC 30 V

Power consumption

P = 7.6 W

Power dissipation

P_v = 5.1 W

Galvanic isolation

power supply//inputs//bus//electronic

Bus interface

RS485 with screw-clamping terminals

Display

Status Bus ON, BF, SF
 Inputs 8 x double LED
 LED yellow, active
 LED red, open circuit/
 short circuit

Transmitter power supply

U_a = 15 V at 20 mA
 single channels conditionally
 short-circuits-proof

Signal range

4 to 20 mA
 4 mA = 655 dec.
 20 mA = 3276 dec.

Transmission range

0 to 25 mA

Input resistance

R_i = 100 Ω

Conversion time

< 1 ms

Resolution

12 bit

Accuracy (with shielded cable)

± 0.2 %

Cable monitoring

Group error message via bus and
 contact assembly AC 250 V/3 A/100 V

Guidelines/norms/certifications

Directive 2004/108/EC
 Directive 94/9/EC

Explosion protection

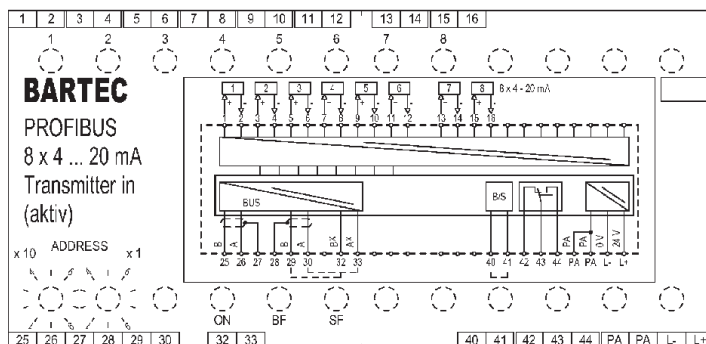
Ex protection type

- ⊕ II 2G Ex de IIC
- ⊕ I M2 Ex de I

Certification

PTB 97 ATEX 1066 U

Wiring diagram/terminal assignment



Notes

- Bridge B/S-terminals 40 and 41 to disable open/short circuit monitoring
- Last bus module in system:
 Brücke A-A^x (terminals 30, 33)
 Brücke B-B^x (terminals 29, 32)
- GSD-file: BARX2902.gsd

Order no.
07-7331-2304/3000

Technical data subject to change without notice.