

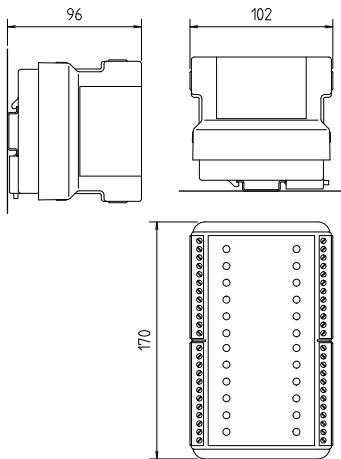


PROFIBUS-Interface

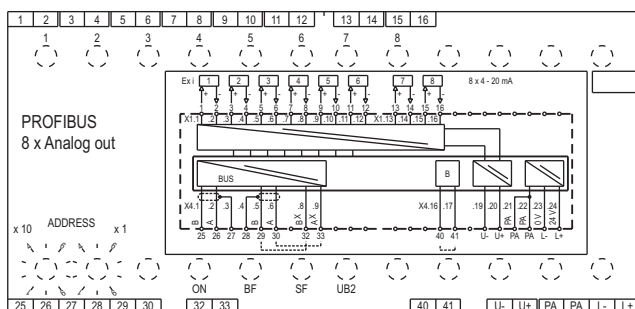
Features

- 8 channels
- Outgoing isolator for 4 to 20 mA
- Short-circuit-proof outputs
- Ex ia/ib or non-intrinsically safe
- 12 bit resolution
- Galvanic isolation
- LED display
- Programmable address on front panel

Dimensions/mounting positions



Wiring diagram/terminal assignment



Description

This module is used for the direct output of 8 intrinsically safe or non-intrinsically safe 4 to 20 mA signals via the PROFIBUS-DP.

Technical data

Construction

Flameproof, clip-on enclosure for TH 35 rail

Enclosure material

High-quality thermoplastics

Terminals

2.5 mm², fine stranded

Protection class

Module	IP 66
Terminals	IP 20
Terminals with covers	IP 30

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 (L+, L-)

DC 20 V to max. DC 30 V

Power consumption

P = 1.8 W

Galvanic isolation

power supply//U+, U- outputs//bus//electronic

Bus interface

RS485 with screw-clamping terminals

Cable monitoring

Group error message via bus

Display

Status ON, BF, SF, UB2
Outputs 8 x double LED
LED yellow, output ok
LED red, open circuit/
Status error SF, LED red

Output data

Supply voltage (U+, U-)

DC 20 V to max. DC 30 V

Power consumption

P = 5.7 W

Power dissipation

P_{V tot} = 7.5 W

Signal range

4 to 20 mA

Resolution

12 bit

Quantising

3.91 µA/LSB

Load

0 to 500 Ω

Response characteristics

Basic error

at T_U = 25 °C ± 0.2 %

Linearity

± 0.2 %

Guidelines/norms/certifications

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

Explosion protection

Certification

PTB 97 ATEX 1066 U
TÜV 99 ATEX 1426
Type 17-6583-.6./....

For further data see EC model test certification.

Ex protection type Ex i = Version 0

Ex II 2(1)G Ex de [ia] IIC

Safety data

U₀ = 21.4 V I₀ = 93.9 mA
P₀ = 503 mW
C₀ = 176 nF (IIC)/1.2 µF (IIB)
L₀ = 3.4 mH (IIC)/13.9 mH (IIB)
U_m = 253 V

Ex protection type Ex e = Version 1

Ex II 2G Ex de IIC

Ex I M2 Ex de I

Notes

- To disable open/short circuit monitoring, bridge terminals 40 and 41
- Last bus module in system:
Bridge A-A^x (terminals 30, 33)
Bridge B-B^x (terminals 29, 32)
- GSD-file: BARX2306.gsd

Order no.

07-7331-2306/ 000

Please insert correct code.

Technical data subject to change without notice.