

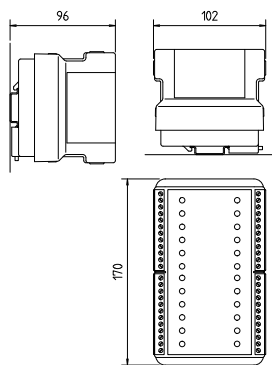


PROFIBUS-Interface

Features

- 16 channels
- 24 V inputs
- Direct control via Ex-limit switches
- Galvanic isolation
- LED display
- EMC according to DIN EN 61000-4-2: 2001, DIN EN 61000-4-3: 2008, DIN EN 61000-4-4: 2003, DIN EN 61000-4-6: 2007
- Programmable address on front panel

Dimensions/mounting positions



Description

This module allows the connection of 16 digital signals to the PROFIBUS-DP within the hazardous area. Signals from flameproof encapsulated limit switches and control devices can be injected directly. In case of NAMUR sensors or other signalling contacts that are controlled in an intrinsically safe way, barriers or isolator amplifiers are connected on line side. LEDs on the front of the module output the input states as well as important status messages.

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
(protection against polarity reversal)

Power consumption

P = 4.6 W

Power dissipation

P_v = 4.6 W

Galvanic isolation

power supply//bus//inputs

Bus interface

RS485 with screw-clamping terminals

Display

Status ON, BF
Inputs 16 x LED yellow, active sensor

Input data

Switching threshold

0 - Signal	0 V to +5 V
1 - Signal	+10 V to +30 V

Power input

typ. 5 mA at 24 V
min. 4 mA at 20 V

Reverse voltage protection

conditionally protected against polarity reversal

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

Notes

- Last bus modul in system:
Bridge A-A^x (terminals 30, 33)
Bridge B-B^x (terminals 29, 32)
- GSD-file: BARX2900.gsd

Order no.
07-7331-2302/0000

Technical data subject to change without notice.

Wiring diagram/terminal assignment

