

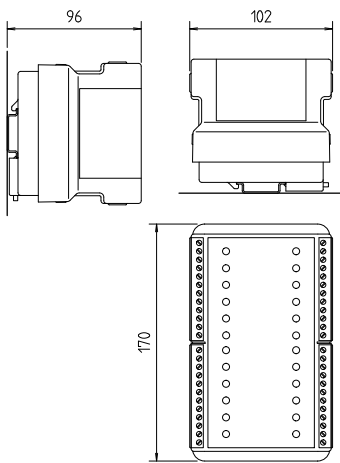


PROFIBUS-Interface

Features

- 16 channels
- 24 V/500 mA outputs
- Direct control of solenoid valves
- 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 activation of 16 actuators in the hazardous area via PROFIBUS-DP. For example, encapsulated solenoid valves or indicator lamps can be directly activated with 24 V/500 mA. LEDs on the front of the module output bus status as well as output states.

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 (L+, L-)

DC 20 V to DC 30 V

Power consumption

P = 1.5 W

Galvanic isolation

power supply//bus//electronic//outputs

Bus interface

RS485 with screw-clamping terminals

Display

Status	ON, BF, SF
Outputs	16 x LED yellow, active

Output data

Supply voltage (U+, U-)

DC 24 V (18 to 30 V)

Power consumption

P = 240 W (max.)

Power dissipation

P_{V tot.} = 7.3 W

Reverse voltage protection

Yes

Short-circuit protection

conditionally short-circuit-proof

Output voltage

Supply voltage - 0.18 V

Output current

500 mA at T_U = +40 °C
 400 mA at T_U = +60 °C

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 module in system:
 Bridge A-A^x (terminals 30, 33)
 Bridge B-B^x (terminals 29, 32)
- GSD-file: BARX2901.gsd

Order no.
07-7331-2301/0000

Technical data subject to change without notice.

Wiring diagram/terminal assignment

