



PROFIBUS-Interface

Features

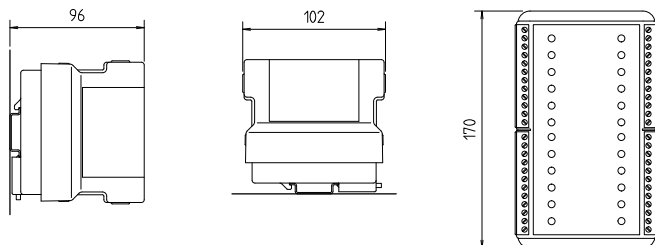
- 8 channels
- Relay outputs, 1 changeover contact
- Galvanic isolation
- LED display
- EMV according to DIN EN 61000-4-2: 2001, DIN EN 61000-4-3: 2008, DIN EN 61000-4-4: 2003, DIN EN 61000-4-6: 2007
- Programmable address on front panel

Description

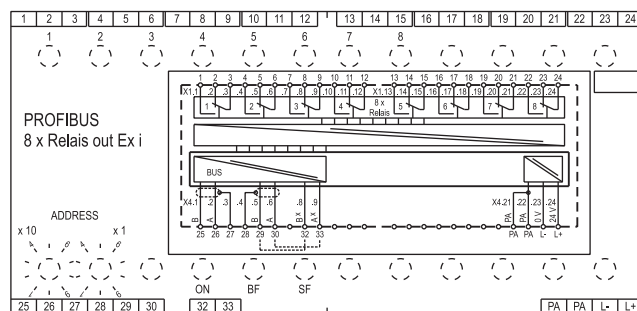
This module is used for the control of intrinsically safe actuators in the Ex area Zone 1 via PROFIBUS-DP.

It is, for example, possible to directly connect intrinsically safe solenoid valves or indicator lights. LEDs on the front of the module output bus status as well as output states.

Dimensions/mounting positions



Wiring diagram/terminal assignment





➔ 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 = 3.2 W

Power dissipation

P_{V tot.} = 6 W

Galvanic isolation

power supply//bus//electronic//outputs

Bus interface

RS485 with screw clamping terminals

Display

Bus status	ON, BF, SF
Outputs	8 x LED yellow, active

■ Output data

Output relay

1 changeover contact
max. 40 W
max. 4 A

Mechanical service life

10 million operations

Guidelines/norms/certifications

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

➔ Explosion protection

Ex protection type

⊕ II 2(1)G Ex de [ia] IIC

Certification

PTB 97 ATEX 1066 U
TÜV 99 ATEX 1457
Type 17-6583-.8./....

For further data see EC model test certification.

Electrical data

U_m = 253 V

Maximum value per circuit: U_i = 60 V

The values for total voltage of two relay contact circuits, place side by side, must not exceed 60 V. Inductors and capacitors contained in the sources must not taken into account!

Notes

- Last bus module in system:
Bridge A-A^x (terminals 30, 33)
Bridge B-B^x (terminals 29, 32)
- GSD-file: BARX2308.gsd

➔ Order no. 07-7331-2308/1000

Technical data subject to change without notice.