

OMX Profibus



- Transmitter PROFIBUS to RS 485
- Dimensions 113 x 98 mm, width 22 mm
- Power supply 80...250 V AC/DC

Options

- Power supply 10...30 VDC

OMX Profibus PROFIBUS DP/RS 485

Description

The transmitter is designed for easy and cost-effective connection of ORBIT MERRET™ instruments to PROFIBUS line. One apparatus may control up to 31 instruments via the RS 485 line with communication protocol OM ASCII.

From the OM xxx instruments individual values may be downloaded from as many as 9 channels (for one instrument) as well as limit statuses may be set. Another option is projecting values and texts on displays of individual instruments.

Operation

The instrument is designed for transfer of communication among the OM xxx instruments to PROFIBUS bus without further control.

On the front panel of the transmitter there are 4 LED diodes for signalization of the operational status and communication in progress.

Technical data

PROFIBUS INPUT

Address: 0...125, adjustable in OM instruments w/„00“ address

Rate: 9 600 Baud...12 Mbaud

Data transmission: 54B to OM, 44B from OM

Modes:

- data downloading + setting limits
- projection of FLOAT values (Real)/LONG
- projection of texts
- sending OM ASCII commands

DATA OUTPUT

Data format: 8 bit + no parity + 1 stop bit (OM ASCII)

Rate: 1 200...115 200 Baud

RS 485: isolated, addressing (max. 31 instruments)

POWER SUPPLY

10...30 V AC/DC, 50/60 Hz, $\pm 10\%$, max. 1 VA

80...250 V AC/DC, 50/60 Hz, $\pm 10\%$, max. 1 VA

Power supply is protected by a fuse inside the instrument

MECHANIC PROPERTIES

Material: PA 66, incombustible UL 94 V-I, blue

Dimensions: 113 x 98 x 22 mm

Installation: to DIN rail 35 mm wide

OPERATING CONDITIONS

Connection: connector terminal board, section $< 2,5 \text{ mm}^2$

Stabilization period: within 15 minutes after switch-on

Working temperature: $-20^\circ \dots 60^\circ \text{C}$

Storage temperature: $-20^\circ \dots 85^\circ \text{C}$

Cover: IP20

El. safety: EN 61010-1, A2

Dielectric strength: 4 kVAC after 1 min between supply and input

Insulation resistance: for pollution degree II, measuring cat. III.

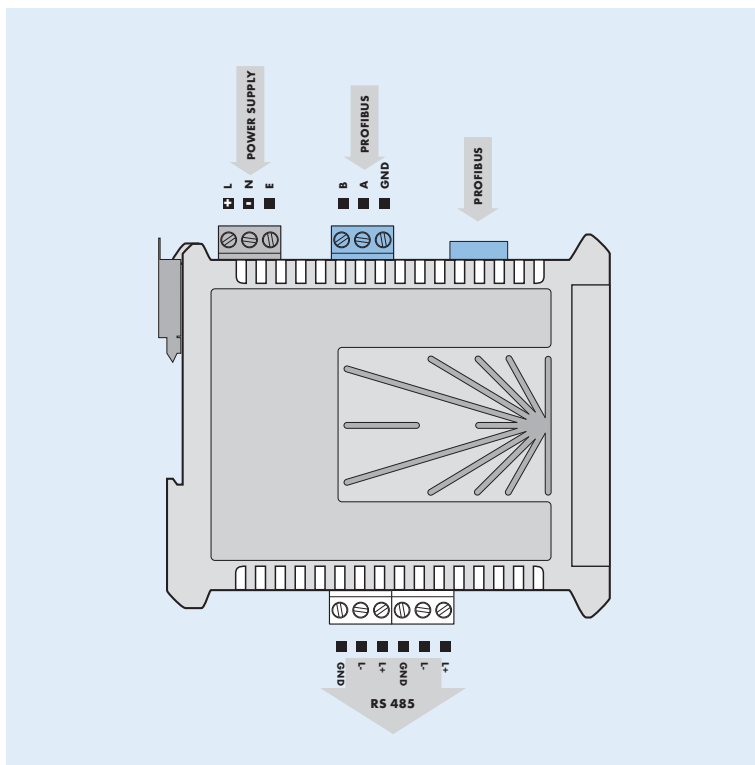
power supply $> 600 \text{ V (PI)}$, 300 V (DI)

input, output $> 500 \text{ V (PI)}$, 250 V (DI)

EMC: EN 61326-1

PI - Primary insulation, DI - Double insulation

Connection



Order code

OMX Profibus		-	<input type="checkbox"/>
Power supply	10...30 V AC/DC, isolated*	0	
	80...250 V AC/DC, isolated	1	

* Launch for sale has not been set