

## BLUambas® PROFIBUS

### Function

The wireless system **BLUambas®** provides wireless data transmission in the fieldbus system PROFIBUS. Herewith mobile plant components or machines can be integrated simply into the system communication. For this reason BLUambas® is the perfect alternative for slip rings and trailing cables but without mechanic wear. As seen from the perspective of the controller the wireless system acts like a cable.

### Instructions for use

BLUambas® for PROFIBUS ensures a transmission speed of up to 1,5 Mbps. To build up a PROFIBUS radio link one BLUambas® controller module and at least one BLUambas® IO module are required. The maximum number of IO modules and PROFIBUS devices depends on the BLUambas® types.

BLUambas® is available with protection class IP20 or IP65 and can be freely selected within a radio link.

### Variants

#### BLUambas® PROFIBUS Classic

A PROFIBUS radio link can be established between a controller module and a maximum of one IO module. A maximum of four PROFIBUS devices can be installed behind the radio link and with up to 1.5 Mbps.

#### BLUambas® PROFIBUS Comfort

A PROFIBUS radio link can be established between a controller module and a maximum of four IO modules. A maximum of four PROFIBUS devices can be installed behind the radio link and with up to 1.5 Mbps.

#### BLUambas® PROFIBUS Premium

A PROFIBUS radio link can be established between a controller module and a maximum of eight IO modules. A maximum of four PROFIBUS devices can be installed behind the radio link and with up to 1.5 Mbps. In addition PROFIsafe communication can be transmitted.

### Technical data

#### BLUambas® PROFIBUS (controller+IO module):

- Transmission standard: IEEE 802.15.1 (Bluetooth)
- Transmission frequency: 2,4-2,4835 GHz
- Range indoor: 100m (depending on antenna)
- Range outdoor: 300m (depending on antenna)
- Antenna connection: SMA socket
- PB- refresh rate: 9,6kBit/s - 1,5MBit/s
- Temperature range: -20°C to 60°C
- PROFIBUS protocols: RS485 DPV0, DPV1

#### Version protection class IP 20:

- Installation: Top-hat rail
- Housing (H x W x D): 105 x 23 x 125 mm
- Voltage supply: 24 V DC, 2 W, terminal
- PROFIBUS interface: 9 pole Sub-D

#### Version protection class IP 65:

- Installation: 4 holes screw fastening
- Housing (H x W x D): 121 x 88 x 42 mm
- Voltage supply: 24 V DC, 2 W, M12 A coding
- PROFIBUS interface: M12 D coding



BLUambas® PROFIBUS IP20



BLUambas® PROFIBUS IP65

| Ordering details                                  | Art. No.  |
|---------------------------------------------------|-----------|
| BLUambas® PROFIBUS Classic controller module IP20 | 125100100 |
| BLUambas® PROFIBUS Classic controller module IP65 | 125100101 |
| BLUambas® PROFIBUS Classic IO module IP20         | 125100102 |
| BLUambas® PROFIBUS Classic IO module IP65         | 125100103 |
| BLUambas® PROFIBUS Comfort controller module IP20 | 125100104 |
| BLUambas® PROFIBUS Comfort controller module IP65 | 125100105 |
| BLUambas® PROFIBUS Comfort IO module IP20         | 125100106 |
| BLUambas® PROFIBUS Comfort IO module IP65         | 125100107 |
| BLUambas® PROFIBUS Premium controller module IP20 | 125100108 |
| BLUambas® PROFIBUS Premium controller module IP65 | 125100109 |
| BLUambas® PROFIBUS Premium IO module IP20         | 125100110 |
| BLUambas® PROFIBUS Premium IO module IP65         | 125100111 |

Accessories/antennas on request!