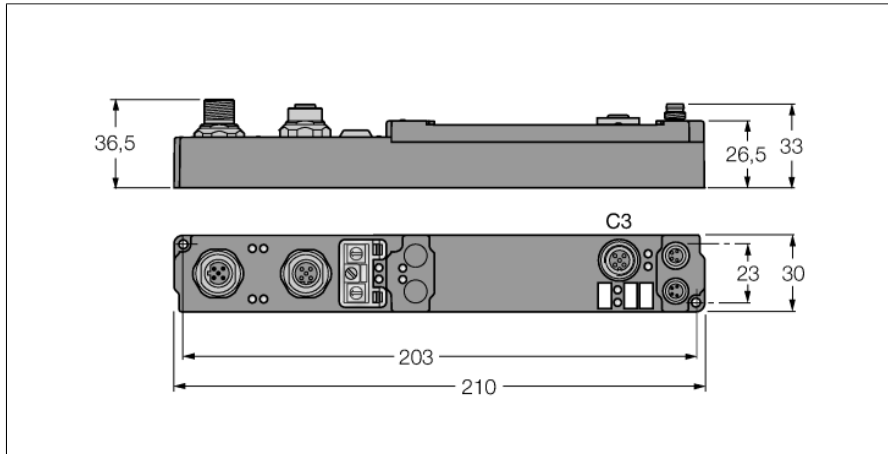


# piconet stand-alone module for PROFIBUS-DP

## Single Channel Serial Interface RS232

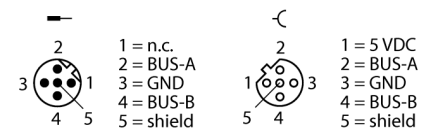
### SDPB-10S-1002



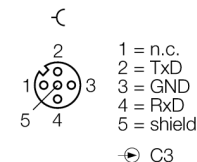
- Serial interface RS232
- 1-channel
- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Type                          | SDPB-10S-1002                                |
| ID                            | 6824446                                      |
| Number of channels            | 1                                            |
| Operating / load voltage      | 20...29 VDC                                  |
| Operating current             | ≤ 40 mA                                      |
| Fieldbus transmission rate    | 9.6 kbps ...12 Mbps                          |
| Fieldbus addressing           | 0 to 99                                      |
| Service interface             | parameterisation via I/O-ASSISTANT           |
| Electrical isolation          | Fieldbus to operational voltage              |
| Bit distortion                | ≤ 3 %                                        |
| Transmission rate             | 1.2 to 19.2 kBit/s (default 9.6 kbps)        |
| RS232 Cable length            | ≤ 15 m                                       |
| Signal voltage low level      | -18 to -3 VDC                                |
| High level signal voltage     | 3 to 18 VDC                                  |
| Data buffer                   | 128 byte receive buffer, 16 byte send buffer |
| Dimensions (W x L x H)        | 30 x 210 x 26.5 mm                           |
| Vibration test                | Acc. to EN 60068-2-6                         |
| Shock test                    | acc. to DIN EN 60068-2-27                    |
| Electromagnetic compatibility | Acc. to EN 61000-6-2/EN 61000-6-4            |
| Protection class              | IP67                                         |
| Approvals                     | CE, cULus                                    |

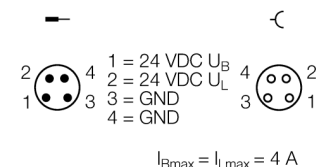
#### M12 × 1 Fieldbus



#### M12 × 1 Input



#### M8 × 1 Power Supply



Data in process image

|                                                                            | Address | Input data |          | Output data |          |
|----------------------------------------------------------------------------|---------|------------|----------|-------------|----------|
| Pre-conditions                                                             | Word    | High-Byte  | Low-Byte | High-Byte   | Low-Byte |
| <b>Complex mapping:</b><br>Data are mapped with<br>control and status byte | 0       | D0         | SB       | D0          | CB       |
|                                                                            | 1       | D2         | D1       | D2          | D1       |
|                                                                            | 2       | D4         | D3       | D4          | D3       |