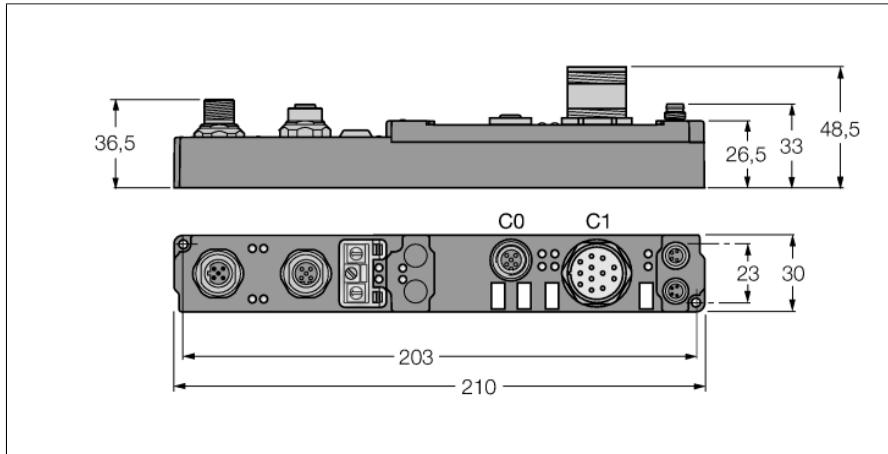


# piconet stand-alone module for PROFIBUS-DP

## 1-channel Incremental Encoder Interface

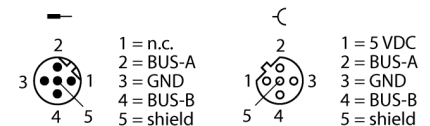
### SDPB-10S-1001



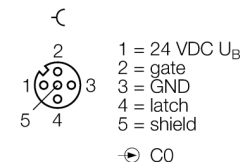
- Incremental encoder interface
- 1-channel
- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection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

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Type                              | SDPB-10S-1001                      |
| ID                                | 6824445                            |
| Number of channels                | 1                                  |
| Operating / load voltage          | 20...29 VDC                        |
| Operating current                 | ≤ 55 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    |
| Maximum limiting frequency analog | 1 MHz Hz                           |
| Rectangular decoder               | 1-port, 2-port, 4-port evaluation  |
| Counter                           | 16 bit binary                      |
| Actuator power supply             | 5 VDC                              |
| Zero pulse latch                  | 16 bit                             |
| Commands                          | read, set, activate                |
| 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                          |

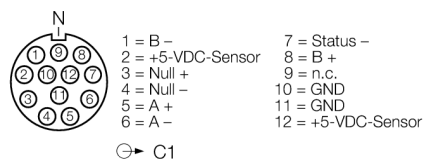
#### M12 × 1 Fieldbus



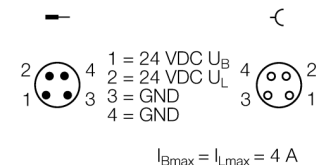
#### M12 × 1 Gate/Latch Input



#### Encoder - M23 × 1



#### 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 control and status byte | 0       | D1         | SB       | Reg1        | CB       |
|                                                                         | 1       | D2         | D0       | reserved    | Reg0     |
|                                                                         | 2       | D3         | D4       | reserved    | reserved |