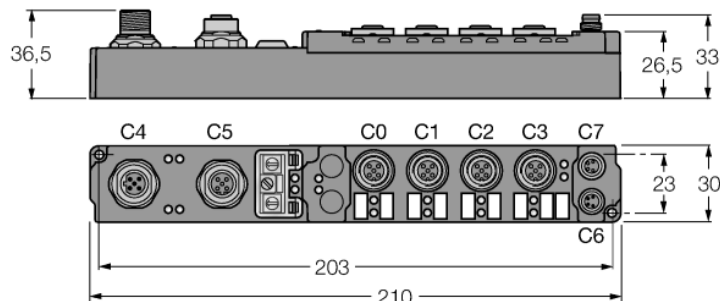


**piconet® stand-alone module for PROFIBUS-DP**  
**4 analog inputs for Pt100**  
**SDPB-40A-1009**

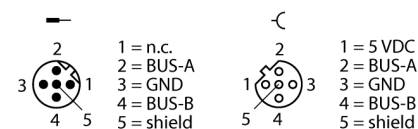
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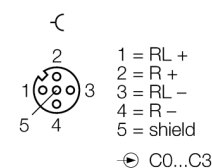


- 4 analogue inputs for Pt100
- Interfejs konfiguracyjny
- Parametryzowane funkcje
- Obsługa za pomocą I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

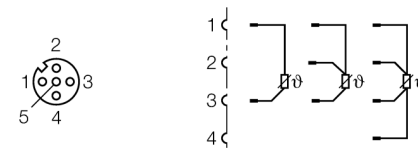
**Złącze magistrali M12 × 1**



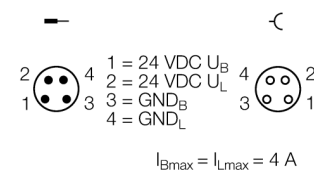
**Wejście M12 × 1**



**Podłączenie - wejścia**



**Zasilanie M8 × 1**



|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Typ</b>                               | SDPB-40A-1009                                           |
| <b>Nr kat.</b>                           | 6824440                                                 |
| <b>Liczba kanałów</b>                    | 4                                                       |
| <b>Napięcie pracy / obciążenia</b>       | 20...29 VDC                                             |
| <b>Prąd pracy</b>                        | ≤ 40 mA                                                 |
| <b>Prędkość transmisji sieciowej</b>     | 9.6 kbps ... 12 Mbps                                    |
| <b>Adresowanie sieciowe</b>              | 0 to 99                                                 |
| <b>Interfejs serwisowy</b>               | parameterisation via I/O-ASSISTANT                      |
| <b>Izolacja elektryczna</b>              | Fieldbus to operational voltage                         |
| <b>Liczba kanałów</b>                    | 4 analogue inputs Pt100                                 |
| <b>Izolacja elektryczna</b>              | channels to operational voltage                         |
| <b>Sensor type</b>                       | Pt100                                                   |
| <b>Temperature range</b>                 | -200 to 850 °C (Pt sensors), -60 to 250 °C (Ni sensors) |
| <b>Mierzony prąd</b>                     | 0.1 °C                                                  |
| <b>Conversion time</b>                   | 250 ms                                                  |
| <b>Relative measuring error</b>          | < ±1.0 % of full scale                                  |
| <b>Input filter</b>                      | variable                                                |
| <b>Zasilanie czujników</b>               | from operational voltage                                |
| <b>Dimensions (W x L x H)</b>            | 30 x 210 x 26.5mm                                       |
| <b>Temperatura pracy</b>                 | 0...+55 °C                                              |
| <b>Temperatura składowania</b>           | -25 to 85 °C                                            |
| <b>Test wibracyjny</b>                   | as per EN 60068-2-6                                     |
| <b>Test przeciążeniowy/wstrząsowy</b>    | acc. to DIN EN 60068-2-27                               |
| <b>Kompatybilność elektromagnetyczna</b> | according to EN 61000-6-2/EN 61000-6-4                  |
| <b>Klasa ochrony</b>                     | IP67                                                    |
| <b>Certyfikaty</b>                       | CE, cULus                                               |

**piconet® stand-alone module for PROFIBUS-DP**  
**4 analog inputs for Pt100**  
**SDPB-40A-1009**

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**Dane z odwzorowania procesu**

Valid for the setting "Motorola format"

SBn: Status byte channel n  
 CBn: Control byte channel n  
 Chn D0: channel n,  
 least significant data byte  
 Chn D1: channel n,  
 most significant data byte

|                                                                                                                                                                                                                                           | Address | Input data |          | Output data |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|----------|-------------|----------|
| Pre-conditions                                                                                                                                                                                                                            | Word    | High-Byte  | Low-Byte | High-Byte   | Low-Byte |
| <b>Compact mapping:</b><br>Starting with Ch0 D1 in "Low-Byte" word 0 all other bytes follow immediately. Only the user data are mapped (greyed in the table).<br><b>Complex mapping:</b><br>Data are mapped with control and status byte. | 0       | Ch0 D1     | SB0      | Ch0 D1      | CB0      |
|                                                                                                                                                                                                                                           | 1       | SB1        | Ch0 D0   | CB1         | Ch0 D0   |
|                                                                                                                                                                                                                                           | 2       | Ch1 D0     | Ch1 D1   | Ch1 D0      | Ch1 D1   |
|                                                                                                                                                                                                                                           | 3       | Ch2 D1     | SB2      | Ch2 D1      | CB2      |
|                                                                                                                                                                                                                                           | 4       | SB3        | Ch2 D0   | CB3         | Ch2 D0   |
|                                                                                                                                                                                                                                           | 5       | Ch3 D0     | Ch3 D1   | Ch3 D0      | Ch3 D1   |