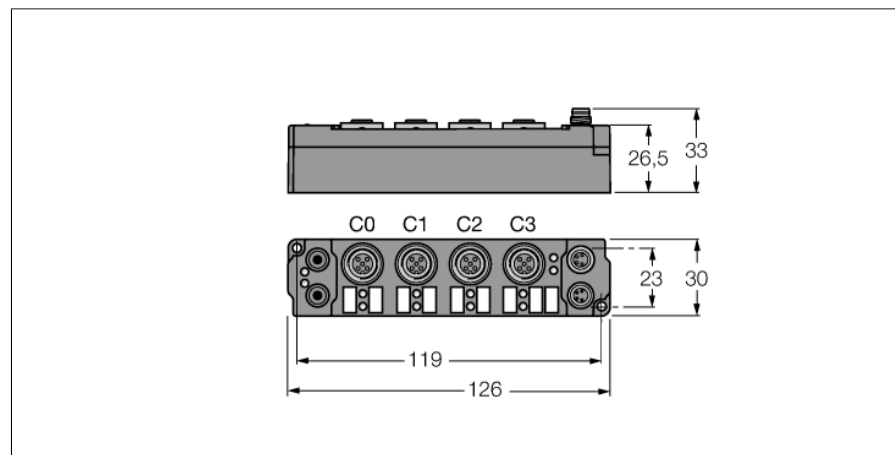


# Moduł rozszerzeń typu piconet do systemu IP-Link

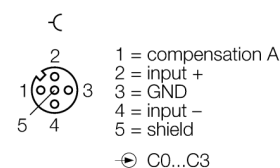
## 4 Analog Inputs for Thermoelements

### SNNE-40A-0004

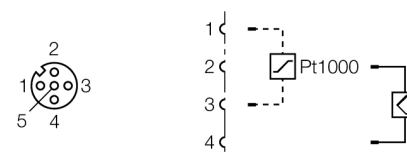


- 4 analog inputs for thermoelements
- Direct connection to the IP link
- Fibre-glass reinforced housing
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

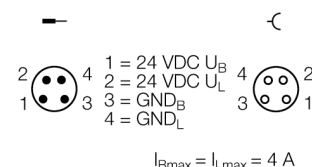
#### Wejście M12 × 1



#### Podłączenie - wejścia



#### Zasilanie M8 × 1



|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Typ                               | SNNE-40A-0004                             |
| Nr kat.                           | 6824215                                   |
| Liczba kanałów                    | 4                                         |
| Napięcie pracy / obciążenia       | 20...29 VDC                               |
| Prąd pracy                        | ≤ 40 mA                                   |
| Fibre-optic length                | ≤ 15 m                                    |
| Liczba kanałów                    | 4 analogue thermoelement inputs           |
| Izolacja elektryczna              | channels to operational voltage           |
| Sensor type                       | K                                         |
| Temperature range                 | Czujnik (domyślny typ K)                  |
| Conversion time                   | 250 ms                                    |
| Relative measuring error          | < ±0,5 % pełnej skali                     |
| Input filter                      | variable                                  |
| Zasilanie czujników               | from operational voltage                  |
| Dimensions (W x L x H)            | 30 x 126 x 26.5 mm                        |
| Test wibracyjny                   | Zgodnie z normą EN 60068-2-6              |
| Test przeciążeniowy/wstrząsowy    | acc. to DIN EN 60068-2-27                 |
| Kompatybilność elektromagnetyczna | Zgodnie z normą EN 61000-6-2/EN 61000-6-4 |
| Stopień ochrony                   | IP67                                      |
| Certyfikaty                       | CE, cULus                                 |

LEDs

|                         | LED designation | Status green | Status red | Function                                                |
|-------------------------|-----------------|--------------|------------|---------------------------------------------------------|
| IP-Link / module status | RUN / ERR (I/O) | flickers/ON  | OFF        | Receiving error-free IP-Link protocols                  |
|                         |                 | flickers     | flickers   | Receiving faulty IP-Link protocols                      |
|                         |                 | OFF          | flickers   | Receiving faulty IP-Link protocols / system fault       |
|                         |                 | OFF          | ON         | No receipt of IP-Link protocols / module error          |
| Inputs                  | R / E (1...4)   | OFF          |            | No data transmission                                    |
|                         |                 | ON           |            | Data transmission to D/A converter                      |
|                         |                 |              | OFF        | Error-free data transmission                            |
|                         |                 |              | ON         | Wire break, measured value out of measuring range, etc. |
| Power supply            | U <sub>B</sub>  | OFF          |            | Operating voltage U <sub>B</sub> < 18 VDC               |
|                         |                 | ON           |            | Operating voltage U <sub>B</sub> ≥ 18 VDC               |
|                         | U <sub>L</sub>  | OFF          |            | Load voltage U <sub>L</sub> < 18 VDC                    |
|                         |                 | ON           |            | Load voltage U <sub>L</sub> ≥ 18 VDC                    |

Dane z odwzorowania procesu

|                                                   |   | Address                                                                                                                                                                                                                                                                    | Input data |          | Output data |               |
|---------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|-------------|---------------|
|                                                   |   | Word                                                                                                                                                                                                                                                                       | High-Byte  | Low-Byte | High-Byte   | Low-Byte      |
| Valid for the setting "Motorola format"           |   | <b>Pre-conditions</b><br><br><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><br><b>Complex mapping:</b><br>Data are mapped with control and status byte. | 0          | Ch0 D1   | SB0         | Ch0 D1    CB0 |
| SBn:    Status byte channel n                     | 1 |                                                                                                                                                                                                                                                                            | SB1        | Ch0 D0   | CB1         | Ch0 D0        |
| CBn:    Control byte channel n                    | 2 |                                                                                                                                                                                                                                                                            | Ch1 D0     | Ch1 D1   | Ch1 D0      | Ch1 D1        |
| Chn D0: channel n,<br>least significant data byte | 3 |                                                                                                                                                                                                                                                                            | Ch2 D1     | SB2      | Ch2 D1      | CB2           |
| Chn D1: channel n,<br>most significant data byte  | 4 |                                                                                                                                                                                                                                                                            | SB3        | Ch2 D0   | CB3         | Ch2 D0        |
|                                                   | 5 |                                                                                                                                                                                                                                                                            | Ch3 D0     | Ch3 D1   | Ch3 D0      | Ch3 D1        |