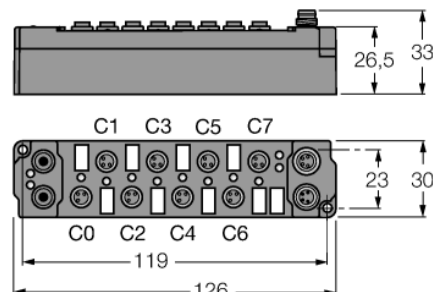
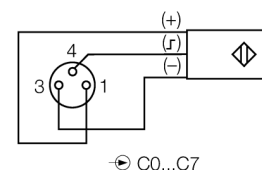


**piconet® extension module for IP-Link**  
**4 digital pnp inputs filter 0.2 ms**  
**4 digital outputs 2 A**  
**SNNE-0404D-0005**

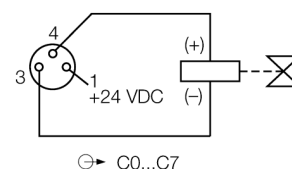


- Direct connection to the IP link
- Fibre-glass reinforced housing
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

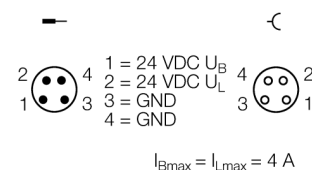
#### Wejście M8 × 1



#### Wyjście M8 × 1



#### Zasilanie M8 × 1



|                                     |                                        |
|-------------------------------------|----------------------------------------|
| <b>Typ</b>                          | SNNE-0404D-0005                        |
| <b>Nr kat.</b>                      | 6824194                                |
| <b>Liczba kanałów</b>               | 8                                      |
| Napięcie pracy / obciążenia         | 20...29 VDC                            |
| Prąd pracy                          | ≤ 25 mA                                |
| <b>Fibre-optic length</b>           | ≤ 15 m                                 |
| <b>Liczba kanałów</b>               | 4 digital inputs acc. to EN 61131-2    |
| Napięcie wejściowe                  | 20...29 VDC via operating voltage      |
| Sygnał napięciowy niskiego poziomu  | -3...5 VDC (EN 61131-2, type 2)        |
| Sygnał napięciowy wysokiego poziomu | 11...30 VDC (EN 61131-2, type 2)       |
| Opóźnienie wejścia                  | 0,2 ms                                 |
| Maks. prąd wejścia                  | 6 mA                                   |
| <b>Liczba kanałów</b>               | 4 digital outputs acc. to EN 61131-2   |
| Napięcie wyjścia                    | 20...29 VDC from load voltage          |
| Prąd wyjściowy na kanał             | 2 A (Σ 4 A), short-circuit proof       |
| Typ obciążenia                      | resistive, inductive, lamp load        |
| Częstotliwość przełączania          | ≤ 500 Hz                               |
| Współczynnik równoczesności         | 0.5                                    |
| <b>Dimensions (W x L x H)</b>       | 30 x 126 x 26.5mm                      |
| Temperatura pracy                   | 0...+55 °C                             |
| Temperatura składowania             | -25 to 85 °C                           |
| Test wibracyjny                     | as per EN 60068-2-6                    |
| Test przeciążeniowy/wstrząsowy      | acc. to DIN EN 60068-2-27              |
| Kompatybilność elektromagnetyczna   | according to EN 61000-6-2/EN 61000-6-4 |
| Klasa ochrony                       | IP67                                   |
| Certyfikaty                         | CE, cULus                              |

**piconet® extension module for IP-Link**  
**4 digital pnp inputs filter 0.2 ms**  
**4 digital outputs 2 A**  
**SNNE-0404D-0005**

## 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                  | 0...3           | OFF          |            | Input inactive (not dampened)                     |
|                         |                 | ON           |            | Input active (dampened)                           |
| Outputs                 | 4...7           | OFF          |            | Output inactive (not switched)                    |
|                         |                 | ON           |            | Output active (switched)                          |
| 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

|                                                                                                                                                                       |        |        | Bit 7                                                                                        | Bit 6 | Bit 5 | Bit 4 | Bit 3                                                                                        | Bit 2 | Bit 1 | Bit 0 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------------------|-------|-------|-------|----------------------------------------------------------------------------------------------|-------|-------|-------|
| Coupling module parameter Byte alignment is "disabled" (default) and the previous byte has been completely used.<br>4 bit input data and output data each are mapped. | Input  | Byte 0 | Is used by the physically following bit-oriented extension module connected via the IP Link. |       |       |       | C1P2                                                                                         | C1P4  | C0P2  | C0P4  |
|                                                                                                                                                                       | Output | Byte 0 |                                                                                              |       |       |       | C3P2                                                                                         | C3P4  | C2P2  | C2P4  |
| Coupling module parameter Byte alignment is "disabled" and the previous byte has been used halfway.<br>4 bit input data and output data each are mapped.              | Input  | Byte 0 | C1P2                                                                                         | C1P4  | C0P2  | C0P4  | Is used by the physically preceding bit-oriented extension module connected via the IP Link. |       |       |       |
|                                                                                                                                                                       | Output | Byte 0 | C3P2                                                                                         | C3P4  | C2P2  | C2P4  |                                                                                              |       |       |       |
| Coupling module parameter Byte alignment is activated.<br>1 byte input data and output data each are mapped.                                                          | Input  | Byte 0 | idle                                                                                         | idle  | idle  | idle  | C1P2                                                                                         | C1P4  | C0P2  | C0P4  |
|                                                                                                                                                                       | Output | Byte 0 | C3P2                                                                                         | C3P4  | C2P2  | C2P4  | idle                                                                                         | idle  | idle  | idle  |

C... = Connector no., P... = Pin no.