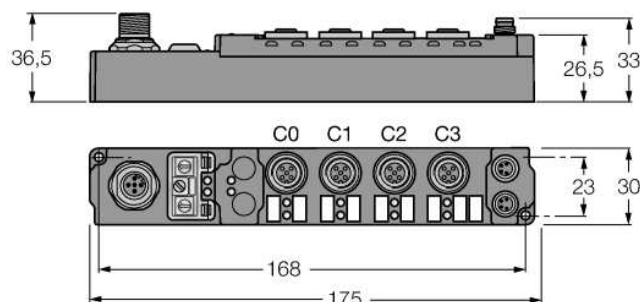


**piconet® stand-alone module for DeviceNet™**

**4 digital pnp inputs filter 0.2 ms**

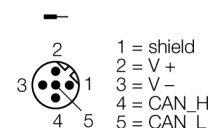
**4 digital outputs 2 A**

**SDNB-0404D-0006**

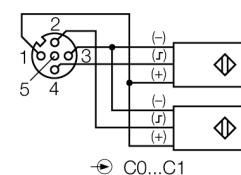


- Configuration interface
- Parametrizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

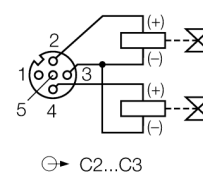
**Fieldbus M12 x 1**



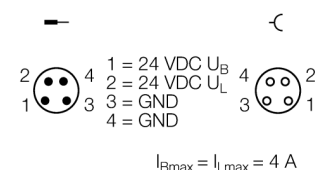
**input M12 x 1**



**Output M12 x 1**



**Voltage supply M8 x 1**



$$I_{Bmax} = I_{Lmax} = 4 \text{ A}$$

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| <b>Type code</b>                  | SDNB-0404D-0006                          |
| <b>Ident no.</b>                  | 6824108                                  |
| <b>Operating / load voltage</b>   | 20...29 VDC                              |
| <b>Fieldbus transmission rate</b> | 125...500 kbps                           |
| Fieldbus addressing               | 0 to 99                                  |
| Service interface                 | parameterisation via I/O-ASSISTANT       |
| Electrical isolation              | Fieldbus to operational voltage          |
| <b>Number of channels</b>         | 4 digital inputs acc. to EN 61131-2      |
| Input voltage                     | 20...29 VDC via operating voltage        |
| Low level signal voltage          | -3...5 VDC (EN 61131-2, type 2)          |
| High level signal voltage         | 11...30 VDC (EN 61131-2, type 2)         |
| Input delay                       | 0.2 ms                                   |
| Max. input current                | 6 mA                                     |
| <b>Number of channels</b>         | 4 digital outputs acc. to EN 61131-2     |
| Output voltage                    | 20...29 VDC from load voltage            |
| Output current per channel        | 2 A ( $\Sigma$ 4 A), short-circuit proof |
| Load type                         | resistive, inductive, lamp load          |
| Switching frequency               | $\leq$ 500 Hz                            |
| Simultaneity factor               | 0.5                                      |
| <b>Dimensions (W x L x H)</b>     | 30x175x26.5mm                            |
| Operating temperature             | 0...+55 °C                               |
| Storage temperature               | -25 to 85 °C                             |
| Vibration test                    | as per EN 60068-2-6                      |
| Shock test                        | acc. to DIN EN 60068-2-27                |
| Electro-magnetic compatibility    | according to EN 61000-6-2/EN 61000-6-4   |
| Protection class                  | IP67                                     |
| Approvals                         | CE, cULus                                |

**piconet® stand-alone module for DeviceNet™**  
**4 digital pnp inputs filter 0.2 ms**  
**4 digital outputs 2 A**  
**SDNB-0404D-0006**

**Data in process image**

|                                                                          |               |                     | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
|--------------------------------------------------------------------------|---------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| The 4 most significant bits are not used, but require memory allocation. | <b>Input</b>  | <b>Byte n (M8)</b>  | idle  | idle  | idle  | idle  | C3P4  | C2P4  | C1P4  | C0P4  |
|                                                                          |               | <b>Byte n (M12)</b> | idle  | idle  | idle  | idle  | C1P2  | C1P4  | C0P2  | C0P4  |
|                                                                          | <b>Output</b> | <b>Byte n (M8)</b>  | idle  | idle  | idle  | idle  | C7P4  | C6P4  | C5P4  | C4P4  |
|                                                                          |               | <b>Byte n (M12)</b> | idle  | idle  | idle  | idle  | C3P2  | C3P4  | C2P2  | C2P4  |

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