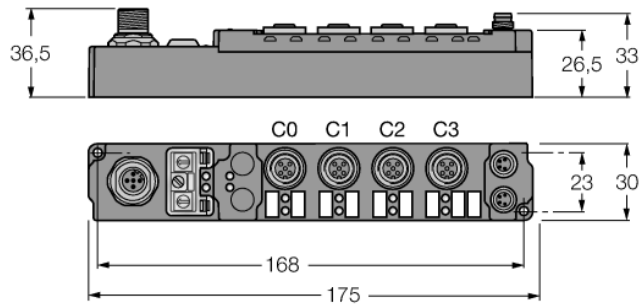
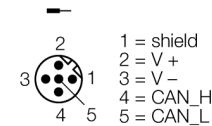


# piconet stand-alone module for DeviceNet 4 Digital PNP Inputs Filter 0.2 ms 4 Digital Outputs 0.5 A SDNB-0404D-0002

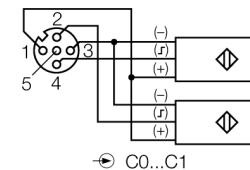


- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

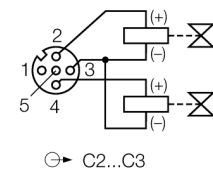
## M12 × 1 Fieldbus



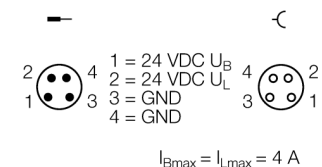
## M12 × 1 Input



## M12 × 1 Output



## M8 × 1 Power Supply



|                               |                                      |
|-------------------------------|--------------------------------------|
| Type                          | SDNB-0404D-0002                      |
| ID                            | 6824102                              |
| Number of channels            | 8                                    |
| Operating / load voltage      | 20...29 VDC                          |
| Fieldbus transmission rate    | 125/250/500 kbps                     |
| Fieldbus addressing           | 0 to 99                              |
| Service interface             | parameterisation via I/O-ASSISTANT   |
| Electrical isolation          | Fieldbus to operational voltage      |
| Number of channels            | 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                                 |
| Number of channels            | 4 digital outputs acc. to EN 61131-2 |
| Output voltage                | 20...29 VDC from load voltage        |
| Output current per channel    | 0.5 A, short-circuit proof           |
| Load type                     | resistive, inductive, lamp load      |
| Switching frequency           | ≤ 500 Hz                             |
| Simultaneity factor           | 1                                    |
| Dimensions (W x L x H)        | 30 x 175 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                            |

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. | Input  | Byte n (M8)  | idle  | idle  | idle  | idle  | C3P4  | C2P4  | C1P4  | C0P4  |
|                                                                          |        | Byte n (M12) | idle  | idle  | idle  | idle  | C1P2  | C1P4  | C0P2  | C0P4  |
|                                                                          | Output | Byte n (M8)  | idle  | idle  | idle  | idle  | C7P4  | C6P4  | C5P4  | C4P4  |
|                                                                          |        | Byte n (M12) | idle  | idle  | idle  | idle  | C3P2  | C3P4  | C2P2  | C2P4  |

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