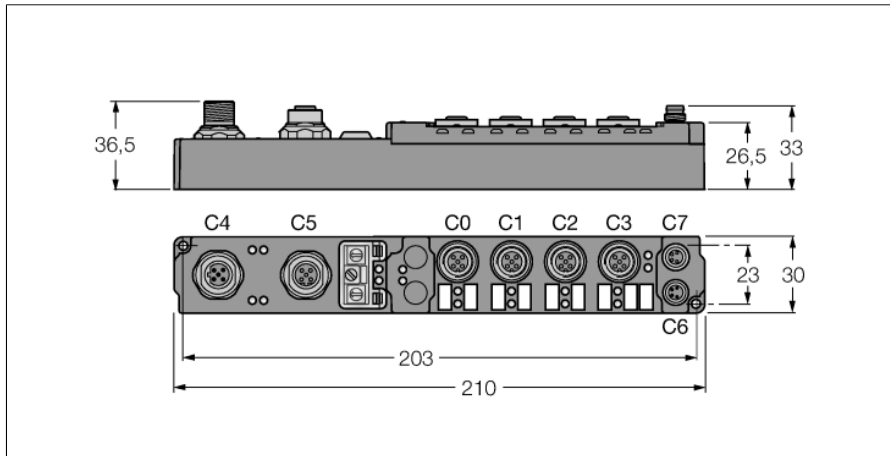


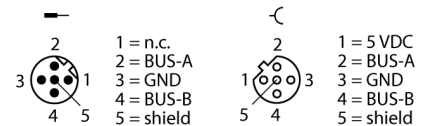
piconet stand-alone module for PROFIBUS-DP
2-channel Up/Down Counter
SDPB-0202D-1003



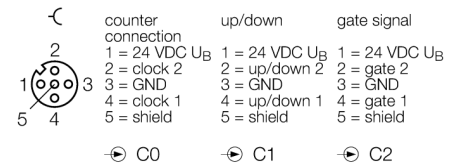
- Up/down counter
- 2-channel
- Switching frequency 100 kHz
- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

Type designation	SDPB-0202D-1003
Ident no.	6824413
Number of channels	2
Operating / load voltage	20...29 VDC
Operating current	≤ 30 mA
Fieldbus transmission rate	9.6 kbps ... 12 Mbps
Fieldbus addressing	0 to 99
Service interface	parameterisation via I/O-ASSISTANT
Electrical isolation	Fieldbus to operational voltage
Number of channels	2 count-, 2 gate inputs, 2 V/R changeover contacts
Low level signal voltage	-3 to 5 VDC
Switching frequency	≤ 100000 Hz
Number of channels	2 x 24 VDC/0.5 A, short-circuit proof
High level signal voltage	11 to 30 VDC
Current consumption	≤ 10 mA
Sensor supply	short-circuit proof, max. 0.5 A from operating voltage
Dimensions (W x L x H)	30 x 210 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

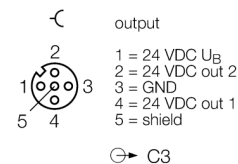
M12 × 1 Fieldbus



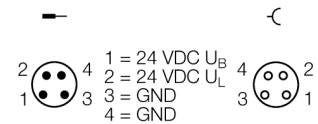
M12 × 1 Input



M12 × 1 Output



M8 × 1 Power Supply



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

piconet stand-alone module for PROFIBUS-DP
2-channel Up/Down Counter
SDPB-0202D-1003

Data in process image

Pre-conditions	Adresse	Input data		Output data	
	Word	High-Byte	Low-Byte	High-Byte	Low-Byte
Complex mapping: Data are mapped with control and status byte	0	Ch0 D3	SB0	Ch0 D3	CB0
	1	Ch0 D1	Ch0 D2	Ch0 D1	Ch0 D2
	2	SB1	Ch0 D0	CB1	Ch0 D0
	3	Ch1 D2	Ch1 D3	Ch1 D2	Ch1 D3
	4	Ch1 D0	Ch1 D1	Ch1 D0	Ch1 D1