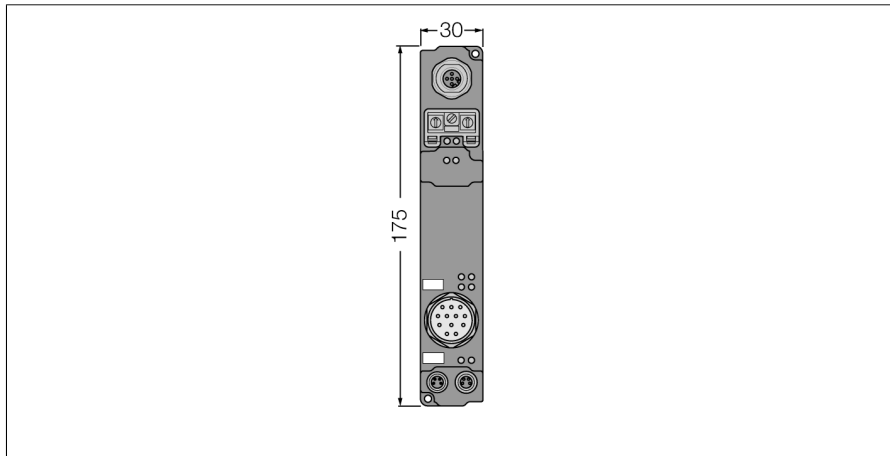


piconet stand-alone module for PROFIBUS-DP

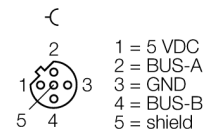
1-channel SSI Sensor Interface

SDPB-10S-0005

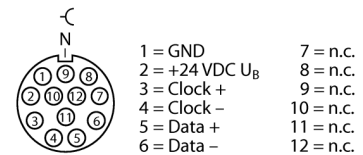


- SSI encoder interface
- 1-channel
- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

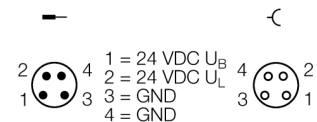
M12 × 1 Fieldbus



Encoder - M23 × 1



M8 × 1 Power Supply



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

Type designation	SDPB-10S-0005
Ident no.	6824078
Number of channels	1
Operating / load voltage	20...29 VDC
Operating current	≤ 140 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
Bit transfer	differential (RS485)
Transmission rate	variable up to 1 MHz (default 250 Hz)
Serial input	24 bit
Data direction	read
Sensor supply	24 VDC from load voltage
Potential separation	operating voltage to RS232
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

piconet stand-alone module for PROFIBUS-DP
1-channel SSI Sensor Interface
SDPB-10S-0005

Data in process image

Pre-conditions	Address	Input data		Output data	
Compact mapping: Starting with D3 in "Low-Byte" word 0 all other bytes follow immediately (highlighted in grey). Complex mapping: Data are mapped with control and status byte	Word	High-Byte	Low-Byte	High-Byte	Low-Byte
	0	D3	SB	Reg1	CB
	1	D1	D2	reserved	Reg0
	2	reserved	D0	reserved	reserved