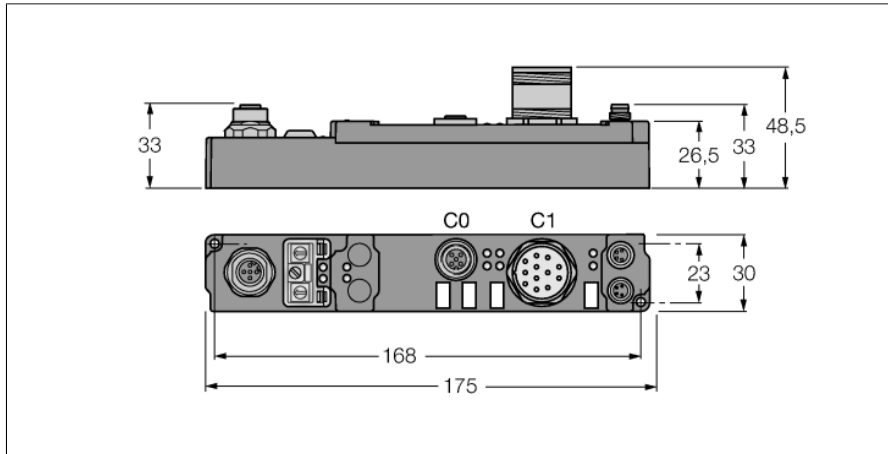


piconet stand-alone module for PROFIBUS-DP

1-channel Incremental Encoder Interface

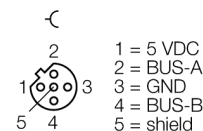
SDPB-10S-0001



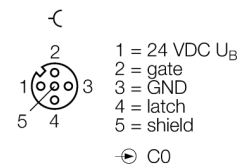
- Incremental encoder interface
- 1-channel
- Configuration interface
- Parameterizable functions
- Supported via I/O-ASSISTANT 2
- Direct connection to the fieldbus
- Fibre-glass reinforced housing
- Shock and vibration tested
- Encapsulated module electronics
- Metal connector
- Degree of protection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

Type	SDPB-10S-0001
ID	6824074
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
Maximum limiting frequency analog	1 MHz
Rectangular decoder	1-port, 2-port, 4-port evaluation
Counter	16 bit binary
Actuator power supply	5 VDC
Zero pulse latch	16 bit
Commands	read, set, activate
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

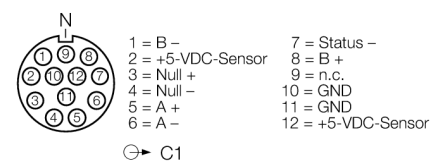
M12 × 1 Fieldbus



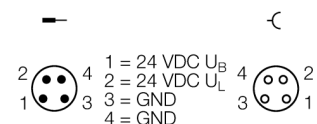
M12 × 1 Gate/Latch Input



Encoder - M23 × 1



M8 × 1 Power Supply



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

Data in process image

	Address	Input data		Output data	
Pre-conditions	Word	High-Byte	Low-Byte	High-Byte	Low-Byte
Complex mapping: Data are mapped with control and status byte	0	D1	SB	Reg1	CB
	1	D2	D0	reserved	Reg0
	2	D3	D4	reserved	reserved