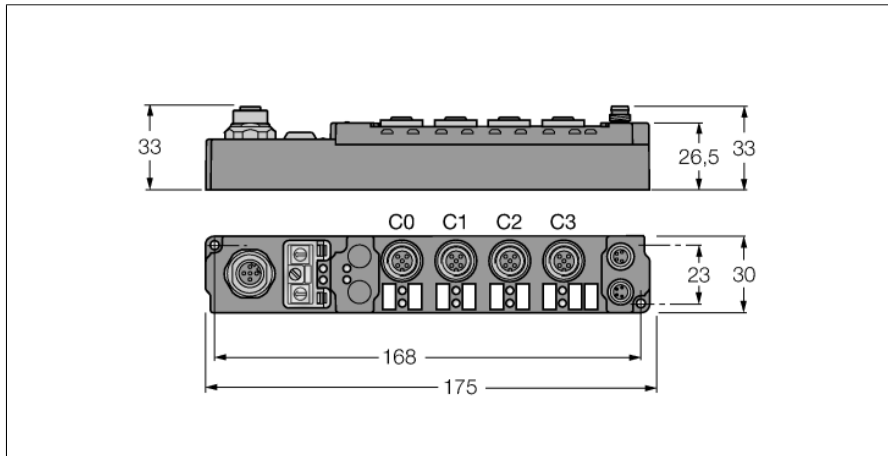
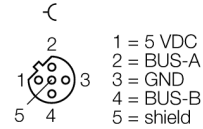


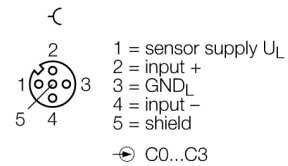
**piconet® Stand-alone Module for PROFIBUS-DP**  
**4 Analog Inputs ±10 V**  
**SDPB-40A-0005**



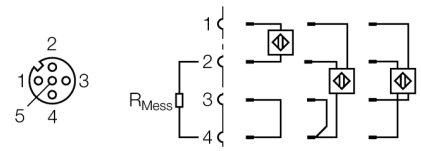
**M12 × 1 Fieldbus**



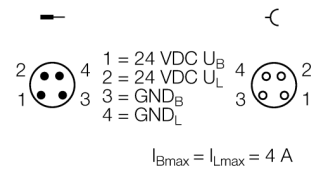
**M12 × 1 Input**



**Connection - Inputs**



**M8 × 1 Power Supply**



<b>Type designation</b>	SDPB-40A-0005
Ident-No.	6824051
<b>Number of channels</b>	4
Operating / load voltage	20...29 VDC
Operating current	≤ 140 mA
<b>Fieldbus transmission rate</b>	9.6 kbps ... 12 Mbps
Fieldbus addressing	0 to 99
Service interface	parameterisation via I/O-ASSISTANT
Electrical isolation	Fieldbus to operational voltage
<b>Number of channels</b>	4 analogue inputs ± 10 V
Input resistance	> 100 kΩ
Electrical isolation	channels to operational voltage
<b>Common mode voltage</b>	max. 35 V
Measuring current	0.5 mA
Conversion time	250 ms
Relative measuring error	< ± 0.3 % of full scale
Input filter	variable
Sensor supply	from load voltage
<b>Dimensions (W x L x H)</b>	30 x 175 x 26.5mm
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
Electromagnetic compatibility	according to EN 61000-6-2/EN 61000-6-4
Protection class	IP67
Approvals	CE, cULus

**piconet® Stand-alone Module for PROFIBUS-DP**  
**4 Analog Inputs ±10 V**  
**SDPB-40A-0005**

Data in process image

Valid for the setting "Motorola format"

SBn: Status byte channel n  
 CBn: Control byte channel n  
 Chn D0: channel n,  
 least significant data byte  
 Chn D1: channel n,  
 most significant data byte

Pre-conditions	Address	Input data		Output data	
	Word	High-Byte	Low-Byte	High-Byte	Low-Byte
<b>Compact mapping:</b> Starting with Ch0 D1 in "Low-Byte" word 0 all other bytes follow immediately. Only the user data are mapped (greyed in the table).  <b>Complex mapping:</b> Data are mapped with control and status byte.	<b>0</b>	Ch0 D1	SB0	Ch0 D1	CB0
	<b>1</b>	SB1	Ch0 D0	CB1	Ch0 D0
	<b>2</b>	Ch1 D0	Ch1 D1	Ch1 D0	Ch1 D1
	<b>3</b>	Ch2 D1	SB2	Ch2 D1	CB2
	<b>4</b>	SB3	Ch2 D0	CB3	Ch2 D0
	<b>5</b>	Ch3 D0	Ch3 D1	Ch3 D0	Ch3 D1