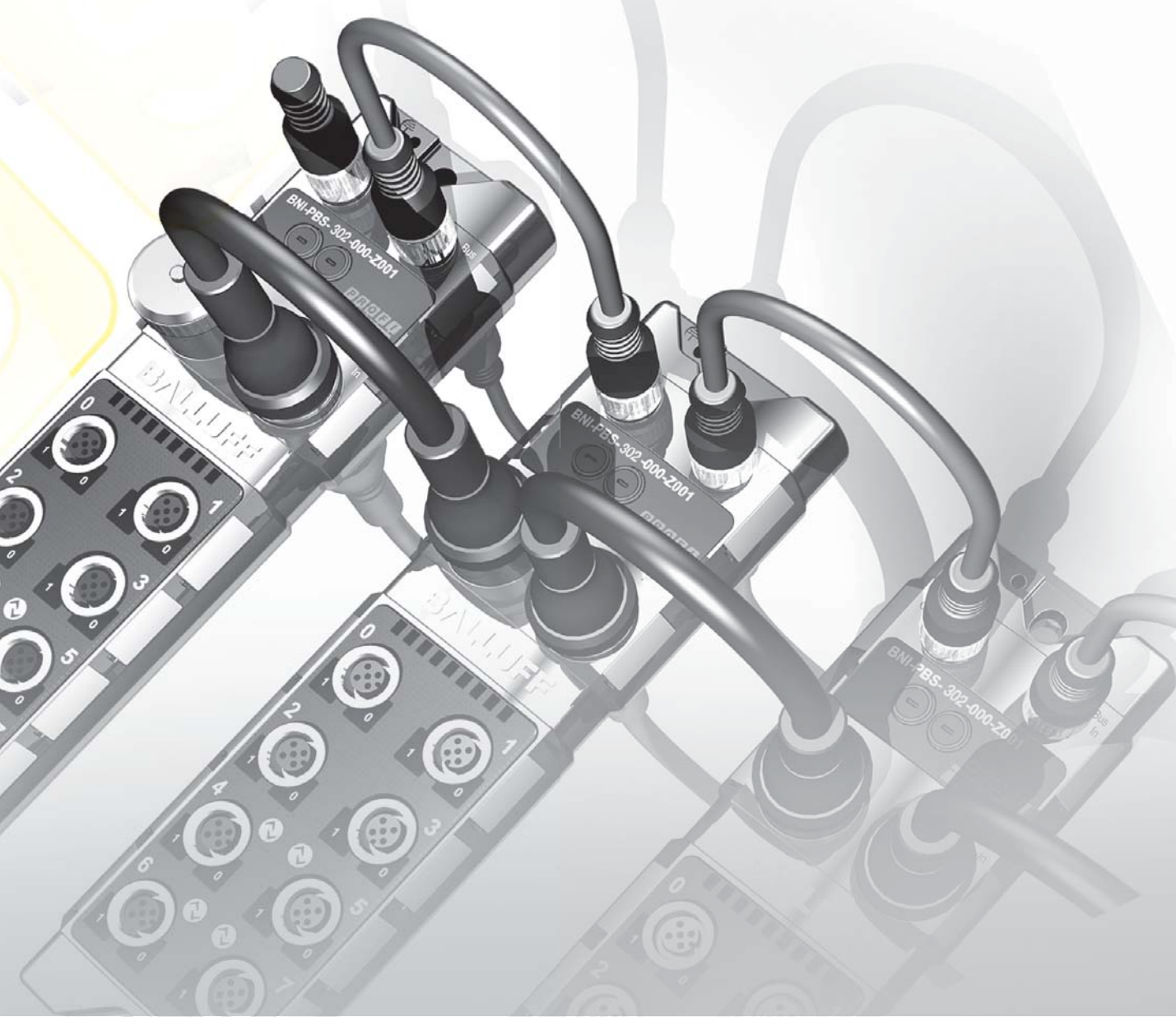
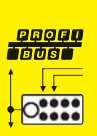


In use for 20 years, Profibus stands for well engineered fieldbus technology and reliably supports modern manufacturing. As a full-service provider, Balluff offers a wide range of components for optimum Profibus use. Regardless of controller manufacturer, Balluff has the perfect solution in store for you: for efficient field and process communication with simple wiring, fast integration through direct installation in your system and the possibility of fast modifications. Even in harsh environments. Balluff Profibus solutions are IO-Link capable, allowing you to take advantage of solid IO-Link benefits. Wiring is made even simpler. Integrated diagnostics prevent system failure and through central configuration, systems are quickly returned to operation. You save time and benefit from real cost advantages. In addition, Profibus offers investment security, since standard IEC 61158/EN 50170 simplifies expansion of your system. With mature connection technology, Balluff contributes to increased efficiency and growing cost savings.





Product topology	14
Profibus IO-Link modules	16, 20, 21
Profibus modules	17, 18
Power cables	22
Power tee	27
Bus connectors	24
Bus cables	26
Terminating resistor	27
Accessories	28

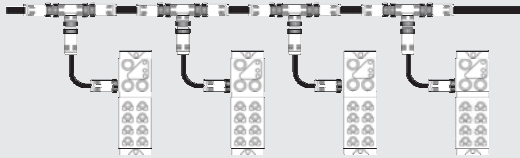


Profibus

Product topology

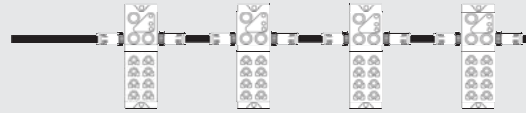
Trunk and drop

- Very simple troubleshooting
- A single device can be disconnected without disrupting the network
- Extra cable requirements result in higher costs



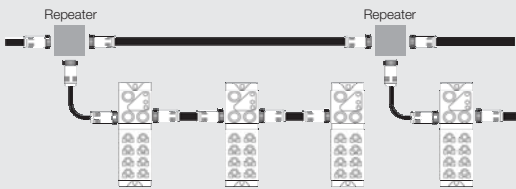
Connected in series

- Difficult troubleshooting
- Disconnecting a device interrupts the network
- Lower costs due to fewer cabling components



Mixed topology

- Creation of logical groups results in relatively simple troubleshooting
- Popular method – ideal cost/benefit ratio



The best I/O modules in the industry

Impressive features. Impressive functionality.
Impressive performance.

Clearly visible status LEDs

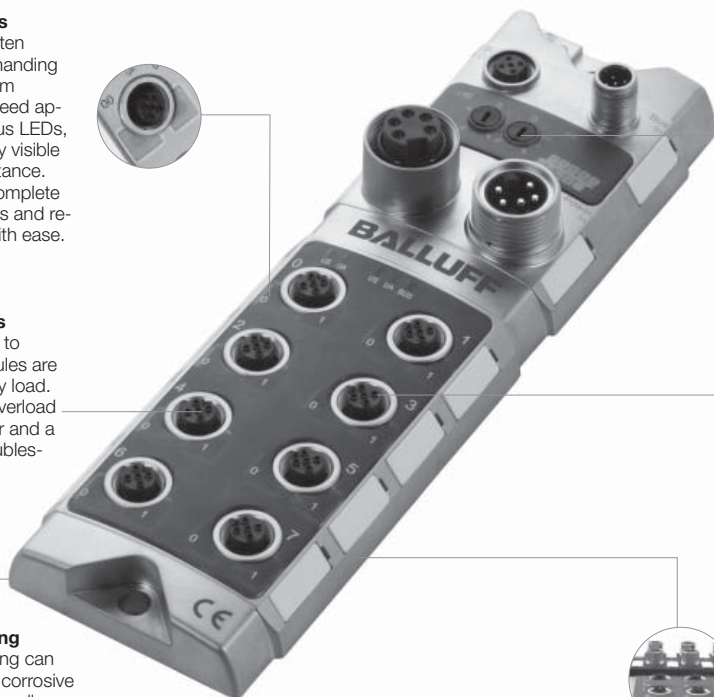
Low-quality LEDs that are often difficult to identify under demanding production conditions perform poorly when used in high-speed applications. Unlike Balluff status LEDs, which are large, bright, highly visible and provide maximum assistance. Balluff quality will help you complete setup and maintenance tasks and reduce machine downtimes with ease.

Powerful and safe outputs

With an output current of up to **2 amps**, Balluff output modules are capable of driving almost any load. Each output also offers an overload protection with LED indicator and a memory feature for easy troubleshooting.

Robust, solid metal housing

The fully encapsulated housing can withstand impacts, shaking, corrosive fluids, incorrect assembly as well as people treading on it and costs the same as a plastic housing.



Visible setup switches

External rotary selector switches allow you to adjust the baud rate of the module in seconds. Downloads are not necessary.

Inputs with high density

All Balluff input blocks offer two input points for each connector, accessed via a V splitter. A Desina output is also optionally available via pin 2.

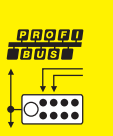
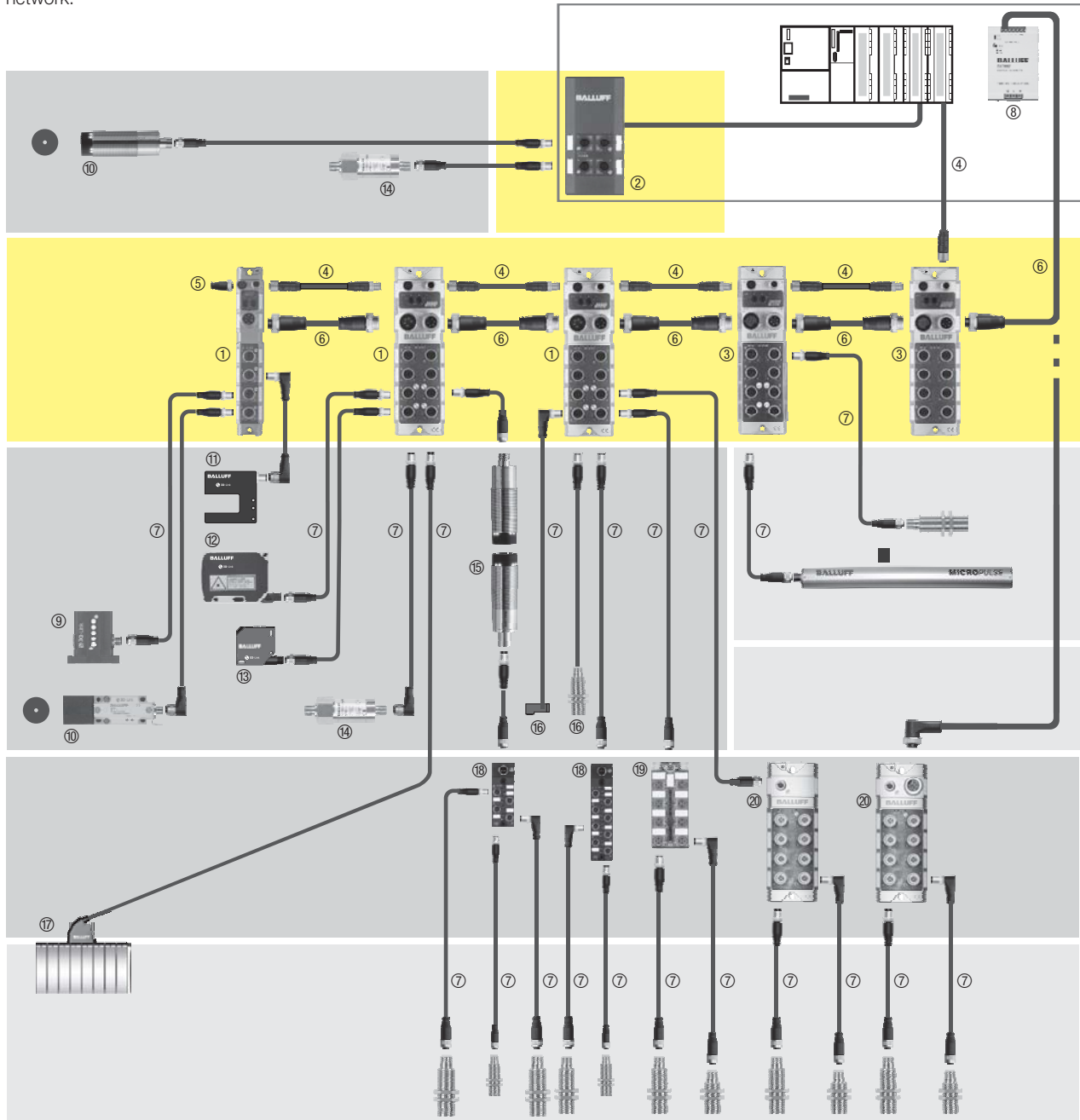
Innovative housing design

The extra-flat profile reduces potential dangers posed by cables. Rounded corners offer highly visible locations for channel markers and two mounting points are sufficient to secure the robust metal housing.

more added value

- Optimal integration
- Reliable information flow
- High-performance automation

High-quality connectors and compatible accessories are required to create an efficient Profibus system. Balluff offers all the components you need for constructing and supporting a first-class Profibus network.



- Product topology**
- IO-Link modules
 - Modules
 - Power cables
 - Power tee
 - Bus connectors
 - Bus cables
 - Terminating resistor
 - Accessories

IO-Link

- | | | | |
|--|----------|-------------------------------------|----------|
| ⑤ BNS IO-Link multiple position switches | Page 146 | ① BNI Profibus IO-Link modules | Page 16 |
| ⑩ BIS IO-Link RFID system | Page 140 | ② BNI Profibus IO-Link panel module | Page 21 |
| ⑪ BGL IO-Link through-beam fork sensors | Page 135 | ③ BNI Profibus modules | Page 17 |
| ⑥ BOD IO-Link laser distance sensors | Page 137 | ④ BCC bus cables | Page 26 |
| ⑬ BFS IO-Link color sensors | Page 136 | ⑤ Terminating resistors | Page 27 |
| ⑨ BSP IO-Link pressure sensors | Page 152 | ④ BCC power cables | Page 22 |
| ⑮ BIC IO-Link inductive couplers | Page 187 | ⑩ BCC connection cables | Page 246 |
| ⑪ BAW IO-Link inductive distance sensors | Page 138 | ⑪ BAE power supplies | Page 274 |
| ⑫ BNI IO-Link valve terminal connectors | Page 150 | | |
| ③ BNI M8 IO-Link sensor hubs | Page 126 | | |
| ④ BNI M12 IO-Link sensor hubs | Page 132 | | |
| ④ Metal IO-Link sensor hubs | Page 130 | | |

Profibus IO-Link modules

more added value
With four integral IO-Link ports!

The Balluff PROFIBUS interface ensures optimum operation of IO-Link modules as well as acyclical operation of PROFIBUS-DP V1.

The module includes four IO-Link master ports that can be configured and used fully independently of one another. All IO-Link ports support COM1, COM2, COM3 (3-wire only) as well as SIO mode.

The IO-Link ports also include an additional input or input/output via pin 2 so that SIO mode allows the connection of antivalent NO/NC and DESINA sensors.

You get four additional standard IO ports with eight inputs or eight freely configurable inputs/outputs for standard sensors and actuators up to **2 A**.



IO-Link

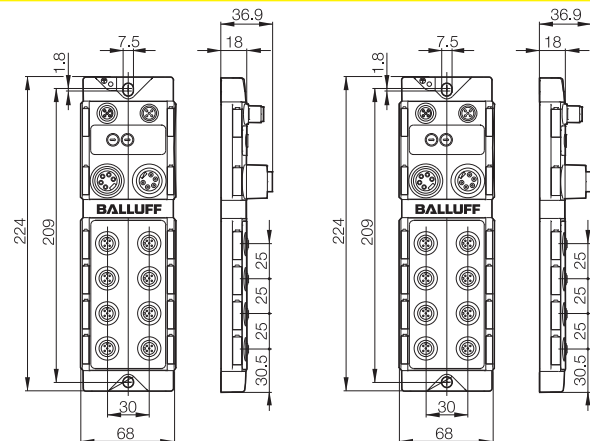


IO-Link

Fieldbus	Profibus	Profibus	
IO-Link	Master	Master	
Version	4x IO-Link, 12x I	4x IO-Link, 12x I	
Ordering code	BNI000C	BNI000E	
Part number	BNI-PBS-501-000-Z001	BNI-PBS-502-000-Z001	
Power supply U_S	18...30 V DC	18...30 V DC	
Function indicator	BUS RUN	BUS RUN	
Fault function indicator			
Power indicator	U_A , U_S , undervoltage	U_A , U_S , undervoltage	
Connection: Fieldbus	M12, B-coded	M12, B-coded	
Connection: operating voltage	7/8"	7/8"	
Connection: I/O ports	M12, A-coded	M12, A-coded	
No. of I/O ports	8	8	
No. of inputs	12	12	
No. of outputs	12	12	
Configurable	No	Yes	
Max. load current sensors/channel	200 mA	200 mA	
Max. output load current		1.6 A/2 A	
Port status indicator (signal status)	Yellow LED	Yellow LED	
Port diagnostic indicator (overload)	Short circuit/overload: red LED	Short circuit/overload: red LED	
Total current $U_{Actuator}$			
Total current U_{Sensor}	< 9 A	< 9 A	
Degree of protection as per IEC 60529	IP 67 (when connected)	IP 67 (when connected)	
Operating temperature T_a	-5...+55 °C	-5...+55 °C	
Storage temperature range	-25...+85 °C	-25...+85 °C	
Weight	Approx. 580 g	Approx. 580 g	
Mounting	2 mounting holes	2 mounting holes	
Dimensions (LxWxH)	225x68x36.9 mm	225x68x36.9 mm	
Housing material	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn	

IO-Link

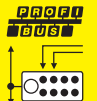
No. of IO-Link master ports	4x master	4x master	
Operating modes (3-wire)	SIO, COM 1, COM 2, COM 3	SIO, COM 1, COM 2, COM 3	
Indicators	Communication	Green LED	
	Error	Red LED	
Max. load current for IO-Link device	1.6 A	1.6 A	



**All modules include
4 screw plugs
and 1 label set.**

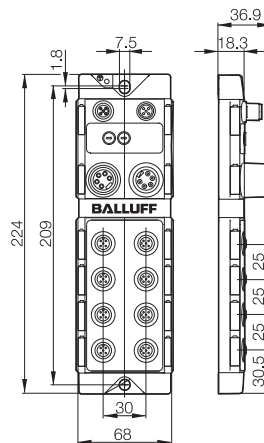
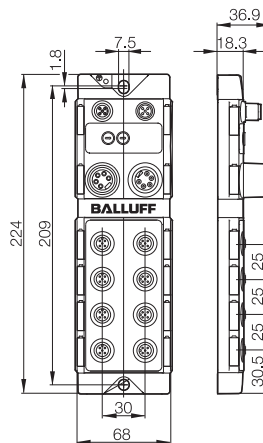
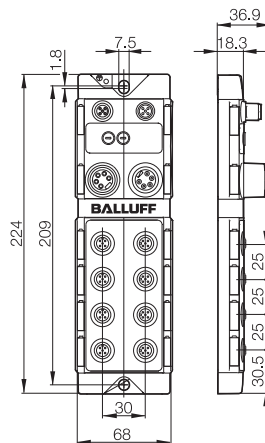
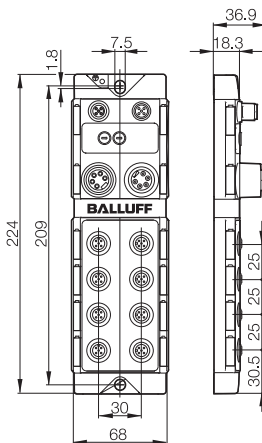
more added value

Connect a maximum of
16 I/O ports!



Product topology
IO-Link modules
Modules
Power cables
Power tee
Bus connectors
Bus cables
Terminating resistor
Accessories

Profibus	Profibus	Profibus	Profibus
16 inputs	16 inputs/16 outputs	8 outputs	16 outputs
BNI0009	BNI000A	BNI002J	BNI002K
BNI PBS-104-000-Z001	BNI PBS-302-000-Z001	BNI PBS-202-000-Z001	BNI PBS-206-000-Z001
18...30.2 V DC	18...30.2 V DC	18...30.2 V DC	18...30.2 V DC
Green LED	Green LED	Green LED	Green LED
Red LED	Red LED	Red LED	Red LED
Sensor module	Sensor module, actuators	Sensor module	Sensor module, actuators
M12, 5-pin, female and male	M12, 5-pin, female and male	M12, 5-pin, female and male	M12, 5-pin, female and male
7/8", 5-pin, female and male	7/8", 5-pin, female and male	7/8", 5-pin, female and male	7/8", 5-pin, female and male
M12, A-coded, female	M12, A-coded, female	M12, A-coded, female	M12, A-coded, female
8	8	8	8
16	16	8	16
No	Yes	No	No
200 mA	200 mA	200 mA	200 mA
	2 A	2 A	2 A
Yellow LED	Yellow LED	Yellow LED	Yellow LED
Red LED	Red LED	Red LED	Red LED
< 9 A	< 9 A	< 9 A	< 9 A
IP 67 (when connected)	IP 67 (when connected)	IP 67 (when connected)	IP 67 (when connected)
-5...+55 °C	-5...+55 °C	-5...+55 °C	-5...+55 °C
-25...+70 °C	-25...+70 °C	-25...+70 °C	-25...+70 °C
Approx. 577 g	Approx. 577 g	Approx. 577 g	Approx. 577 g
2 mounting holes	2 mounting holes	2 mounting holes	2 mounting holes
224×68×36.9 mm	224×68×36.9 mm	224×68×36.9 mm	224×68×36.9 mm
Nickel-plated Gd-Zn	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn



- 16 standard I ports
- DESINA configurable

- Max. 16 standard I/O ports freely configurable
- DESINA configurable

Profibus

P111 modules for BTL

P111 Profibus modules are an elegant, cost-effective solution from Balluff.

The modules have a robust metal housing that was designed for use in harsh industrial environments and is capable of withstanding powerful mechanical loads. The modules are fitted with four interdependent ports for micropulse transducers BTL. A maximum of 16 encoders can be used per BTL port. The maximum nominal stroke is 7500 mm. Four additional ports can be configured with digital or analog sensors, depending on the version.

You can achieve maximum functionality and cost efficiency for fieldbus integration by combining micropulse transducers BTL with Profibus modules P111.



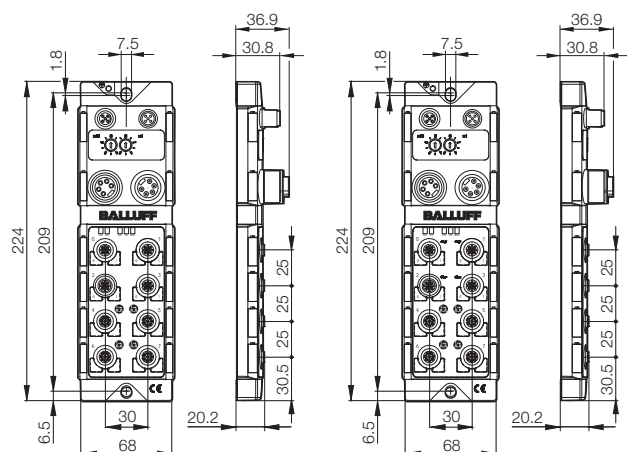
Digital inputs



Analog inputs



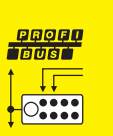
Fieldbus	Profibus	Profibus
Version	4x P111	4x P111
Ordering code	BNI001A	BNI002H
Part number	BNI-PBS-551-000-Z001	BNI-PBS-552-000-Z001
Power supply U_S	18...30 V DC	18...30 V DC
Function indicator	BUS RUN	BUS RUN
Fault function indicator	Red LED	
Power indicator	U_A , U_S , undervoltage	U_A , U_S , undervoltage
Connection: Fieldbus	M12, B-coded	M12, B-coded
Connection: operating voltage	7/8", 5-pin, female and male	7/8", 5-pin, female and male
Connection: I/O ports	M12, A-coded, 5-pin, female	M12, A-coded, 5-pin, female
Connection: P111 port	M12, A-coded, 8-pin, female	M12, A-coded, 8-pin, female
No. of I/O ports	8	8
No. of digital inputs	8	
No. of analog inputs		4
Outputs	0	0
No. of P111 inputs	4	4
Max. load current sensors/channel	1 A	1 A
Port status indicator (signal status)	Yellow LED	Yellow LED
Port diagnostic indicator (overload)	Red LED	Red LED
Total current U_{Sensor}	9 A	9 A
Degree of protection as per IEC 60529	IP 67 (when connected)	IP 67 (when connected)
Operating temperature T_a	0...+55 °C	0...+55 °C
Weight	Approx. 735 g	Approx. 735 g
Mounting	2 mounting holes	2 mounting holes
Dimensions (LxWxH)	224x68x36.9	224x68x36.9
Housing material	Nickel-plated GD-Zn, matt finish	Nickel-plated GD-Zn, matt finish



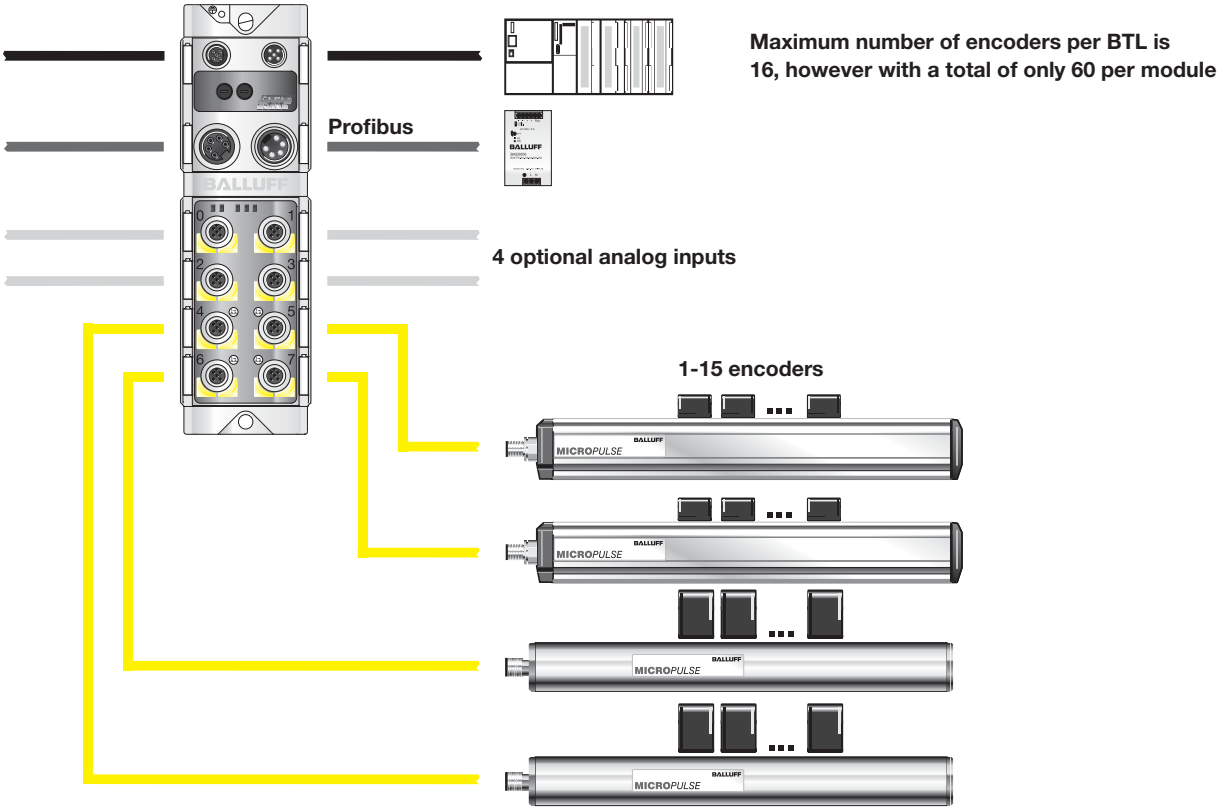
**All modules include
4 screw plugs
and 1 label set.**

Profibus

P111 modules for BTL



- Product topology
- IO-Link modules
- Modules**
- Power cables
- Power tee
- Bus connectors
- Bus cables
- Terminating resistor
- Accessories



Profibus IO-Link modules

For tight spaces – robust and compact

IO-Link master for tight spaces – robust and compact

The Profibus IO-Link master is the first choice for tight spaces and applications where dust, water or oils are present or mechanical damage threatens. The slim splitter in the rugged metal housing is very robust.

Small, yet versatile, it is ideal for IO-Link capable sensors, such as pressure or distance sensors, or when you need to connect sensor hubs, control panels or actuators (valve manifolds). Small, compact mini molded connectors establish the perfect connection for the mini master. The Profibus IO-Link master is available with two or four IO-Link interfaces, which means you can connect up to 68 sensors in combination with IO-Link sensor hubs. Unused IO-Link ports can be used as standard inputs or outputs. The system is fully utilized when space is at a premium.



Fieldbus	Profibus-DP	Profibus-DP
IO-Link	Master	Master
Version	4x IO-Link ports or 4 standard I/O ports	2x IO-Link ports + 2 standard I/O ports
Ordering code	BNI000Z	BNI000Y
Part number	BNI-PBS-507-000-Z011	BNI-PBS-506-000-Z011
Power supply U_S	18...30 V DC	18...30 V DC
Function indicator	BUS RUN	BUS RUN
Power indicator	U_A , U_S , undervoltage	U_A , U_S , undervoltage
Connection: Fieldbus	M12, B-coded	M12, B-coded
Connection: operating voltage	7/8"	7/8"
Connection: I/O ports	M12, A-coded, female	M12, A-coded, female
No. of I/O ports	4	4
No. of inputs	Max. 8	Max. 8
No. of outputs	Max. 8	Max. 8
Configurable	Yes	Yes
Max. load current sensors/channel	200 mA	200 mA
Max. output load current	≤ 1.6 A	≤ 1.6 A/2 A
Port status indicator	Yellow LED	Yellow LED
Port diagnostic indicator	Short circuit/overload: red LED	Short circuit/overload: red LED
Total current $U_{Actuator}$	≤ 9 A	≤ 9 A
Total current U_{Sensor}	≤ 9 A	≤ 9 A
Degree of protection as per IEC 60529	IP 67 (when connected)	IP 67 (when connected)
Operating temperature T_a	-5...+55 °C	-5...+55 °C
Storage temperature range	-25...+70 °C	-25...+70 °C
Weight	Approx. 355 g	Approx. 355 g
Mounting	2 mounting holes	2 mounting holes
Dimensions (LxWxH)	224x37x32 mm	224x37x32 mm
Housing material	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn

IO-Link

No. of IO-Link ports	4x master	2x master
Operating modes (3-wire)	SIO, COM 1, COM 2, COM 3	SIO, COM 1, COM 2, COM 3
Communication indicator	Green LED	Green LED
Error indicator	Red LED	Red LED
Max. load current for IO-Link device	≤ 1.6 A	≤ 1.6 A

more added value
Extremely robust!

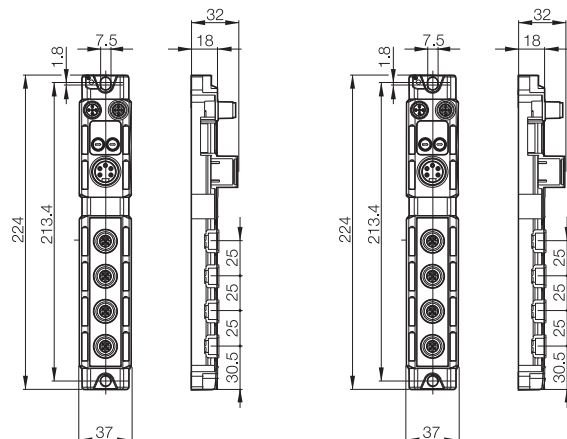


All modules include
4 screw plugs
and 1 label set.

The outer diameter of user assembled connectors may not exceed 19 mm!

Order suggestion:

BCC02H9



Profibus

Panel module

IO-Link panel module for simple installation

New IO-Link panel module for simple commissioning

Not only are installation and commissioning simplified with the Profibus IO-Link panel module, but cabling is also cost-effective. Developed for small- to mid-sized machines and systems, it is ideal for centralized wiring concepts and, with IO-Link sensor hub modules, satisfies the demand for modular construction. Now the machine and equipment can be checked before they leave the plant and commissioned on-site with no additional wiring.

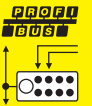
The IO-Link panel module is particularly interesting where expensive connectors would otherwise be needed for routing the cables. The module provides four IO-Link ports on the outer panel. Simply connect IO-Link sensor hubs or IO-Link capable sensors here to realize efficient, cost-effective wiring using standard cables. The power supply and Profibus interface are connected inside the panel. Another feature: a separate actuator power supply. This allows actuators such as hydraulic valves/pneumatic valve manifolds to be turned off separately.



Fieldbus	Profibus-DP
Version	4x IO-Link
Ordering code	BNI0023
Part number	BNI PBS-504-000-K008
Power supply U_s	18...30.2 V DC
Net function indicator	Green LED
Fault function indicator	Red LED
Power indicator	Sensor module
Connection: Fieldbus	SUB-D, 9-pin
Connection: operating voltage	Spring terminals
Connection: I/O ports	M12, A-coded, female
No. of I/O ports	4
No. of inputs	Max. 4
Number of AUX power ports	Max. 4
Configurable	Yes
Max. load current sensors/channel	1.6 A
Max. load current auxiliary power/channel	3 A
Port status indicator (signal status)	Yellow LED
Port diagnostic indicator (overload)	Red LED
Total current U_{Sensor}	≤ 9 A
Degree of protection as per IEC 60529	IP 67 (fitted in panel)
Operating temperature T_a	-5...+55 °C
Storage temperature range	-25...+70 °C
Weight	Approx. 130 g
Mounting	4 mounting holes
Dimensions (W×H)	150.8×75.8 mm
Lead-in dimensions	112×46

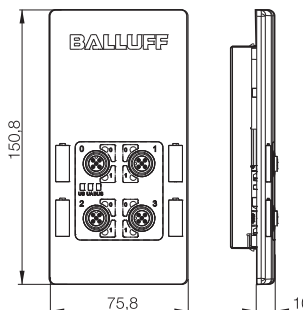
IO-Link

No. of IO-Link ports	4x master
Operating modes (3-wire)	SIO, COM 1, COM 2, COM 3
Communication indicator	Green LED
Error indicator	Red LED
Max. load current for IO-Link device	≤ 1.6 A



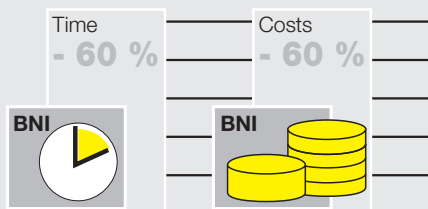
- Product topology
- IO-Link modules**
- Modules**
- Power cables
- Power tee
- Bus connectors
- Bus cables
- Terminating resistor
- Accessories

more added value
For direct installation in the switching cabinet (no HAN 24 required)!



All modules include
4 screw plugs
and 1 label set.

Reduce your wiring costs by 60 %!



Profibus

Power cables 7/8", 5-pin

more added value

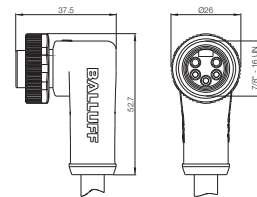
For improved fitting accuracy!
 Connector with metal thread – adapted perfectly
 for Profibus modules. Metal on metal guarantees
 durability and a high degree of protection.



Connector diagram and wiring	<p>PIN 1: black PIN 2: blue PIN 3: green/yellow PIN 4: brown PIN 5: white</p>	<p>PIN 1: black PIN 2: blue PIN 3: green/yellow PIN 4: brown PIN 5: white</p>	
Version	Female	Female	
Power supply max. U_B /current rating	300 V DC/9 A	300 V DC/9 A	
Cable	PUR	PUR	
No. of wires × cross-section	5×1.5 mm ²	5×1.5 mm ²	
Degree of protection as per IEC 60529	IP 68	IP 68	
Ambient temperature range T_a	-25...+80 °C	-25...+80 °C	
Housing material	PUR	PUR	
Knurled ring	Brass	Brass	

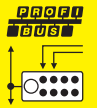
Cable material	Color	Length	Ordering code	
			Part number	
PUR	Black	0.6 m		
PUR	Black	2 m	BCC06HC BCC A315-0000-10-063-PX05A5-020	BCC06HH BCC A325-0000-10-063-PX05A5-020
PUR	Black	5 m	BCC06HE BCC A315-0000-10-063-PX05A5-050	BCC06HJ BCC A325-0000-10-063-PX05A5-050
PUR	Black	10 m	BCC06HF BCC A315-0000-10-063-PX05A5-100	BCC06HK BCC A325-0000-10-063-PX05A5-100
PUR	Black	15 m		

Other cable materials, colors and lengths on request.

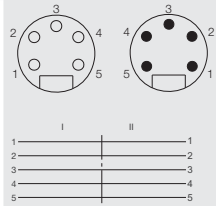


Profibus

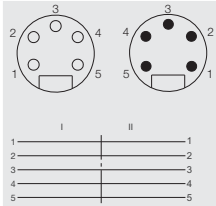
Power connection cables 7/8", 5-pin



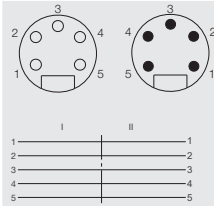
Product topology
IO-Link modules
Modules
Power cables
Power tee
Bus connectors
Bus cables
Terminating resistor
Accessories



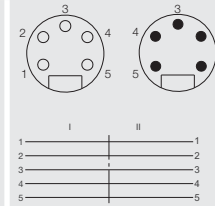
Female/male
300 V DC/9 A
PUR
5x1.5 mm²
IP 68
-25...+80 °C
PUR
Brass



Female/male
300 V DC/9 A
PUR
5x1.5 mm²
IP 68
-25...+80 °C
PUR
Brass



Female/male
300 V DC/9 A
PUR
5x1.5 mm²
IP 68
-25...+80 °C
PUR
Brass

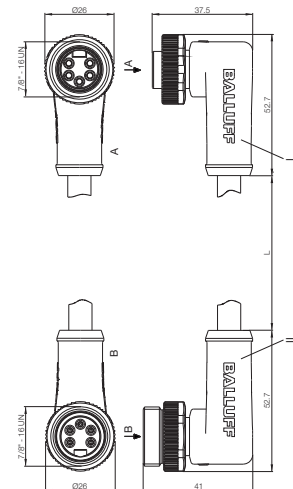
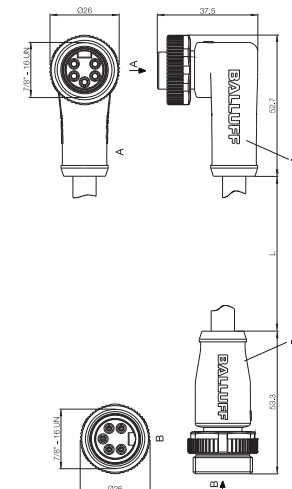
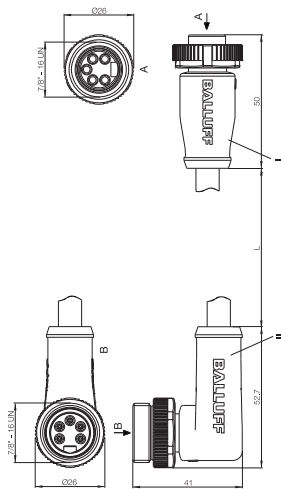
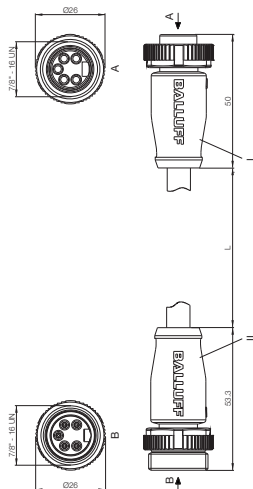


Female/male
300 V DC/9 A
PUR
5x1.5 mm²
IP 68
-25...+80 °C
PUR
Brass

Ordering code

Part number

BCC06FM BCC A315-A315-30-335-PX05A5-006	BCC06FU BCC A315-A325-30-335-PX05A5-006	BCC06H1 BCC A325-A315-30-335-PX05A5-006	BCC06H6 BCC A325-A325-30-335-PX05A5-006
BCC06FN BCC A315-A315-30-335-PX05A5-020	BCC06FW BCC A315-A325-30-335-PX05A5-020	BCC06H2 BCC A325-A315-30-335-PX05A5-020	BCC06H7 BCC A325-A325-30-335-PX05A5-020
BCC06FP BCC A315-A315-30-335-PX05A5-050	BCC06FY BCC A315-A325-30-335-PX05A5-050	BCC06H3 BCC A325-A315-30-335-PX05A5-050	BCC06H8 BCC A325-A325-30-335-PX05A5-050
BCC06FR BCC A315-A315-30-335-PX05A5-100	BCC06FZ BCC A315-A325-30-335-PX05A5-100	BCC06H4 BCC A325-A315-30-335-PX05A5-100	BCC06H9 BCC A325-A325-30-335-PX05A5-100
BCC06FT BCC A315-A315-30-335-PX05A5-150	BCC06H0 BCC A315-A325-30-335-PX05A5-150	BCC06H5 BCC A325-A315-30-335-PX05A5-150	BCC06HA BCC A325-A325-30-335-PX05A5-150



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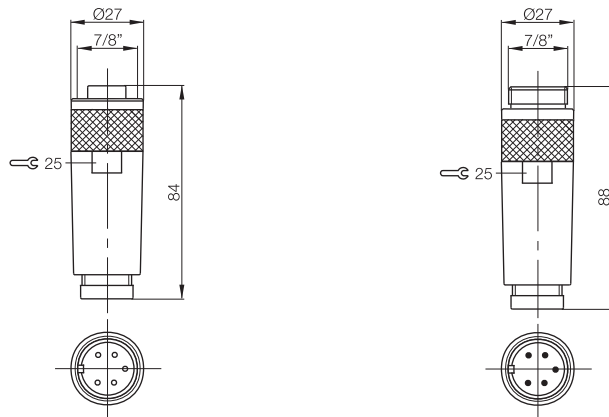
Bus connectors, 7/8", 5-pin



Connector diagram and wiring	Female	Male
Version	Female	Male
Power supply max. U_B /current rating	300 V	300 V
No. of wires \times cross-section	5 \times 1.0 mm ²	5 \times 1.0 mm ²
Degree of protection as per IEC 60529	IP 67	IP 67
Ambient temperature range T_a	-25...+80 °C	-25...+80 °C
Housing material	PBT	PBT
Knurled ring	Brass	Brass
Screw terminal	max. 1.5 mm ²	max. 1.5 mm ²

Cable material	Color	Length	Ordering code
Cable dia.			Part number
PUR	Black	2 m	BCC070E BCC A335-0000-10-000-51X5A5-000
PUR	Black	2 m	BCC070F BCC A335-0000-10-000-61X5A5-000
PUR	Black	2 m	BCC070H BCC A335-0000-10-000-71X5A5-000
			BCC070J BCC A335-0000-20-000-51X5A5-000
			BCC070K BCC A335-0000-20-000-61X5A5-000
			BCC070L BCC A335-0000-20-000-71X5A5-000

Other cable materials, colors and lengths on request.



Profibus

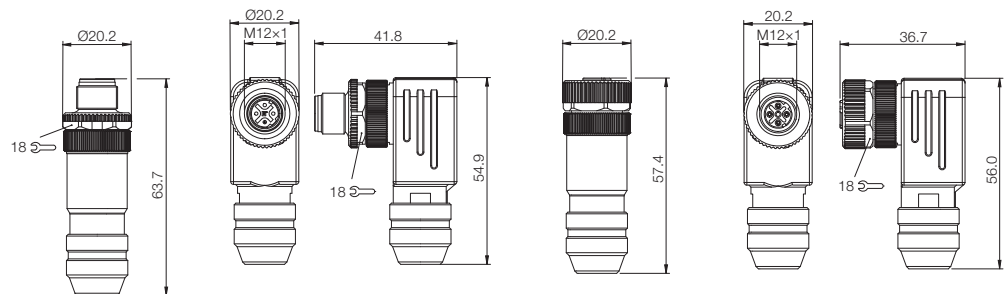
M12 bus connectors, 5-pin, B-coded,
Customized assembly, shieldable



- Product topology
- IO-Link modules
- Modules
- Power cables
- Power tee
- Bus connectors**
- Bus cables
- Terminating resistor
- Accessories

View of female/male side				
Connector	M12	M12	M12	M12
Version	B-coded	B-coded	B-coded	B-coded
Version	5-pin	5-pin	5-pin	5-pin
Version	Male	Male	Female	Female
Ordering code	BCC0714	BCC0716	BCC0715	BCC0717
Part number	BCC M475-0000-2B-000-01X575-000	BCC M485-0000-2B-000-01X575-000	BCC M475-0000-1B-000-01X575-000	BCC M485-0000-1B-000-01X575-000
Power supply U_s	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
No. of wires × cross-section	5x max. 5×0.75 mm ²	5x max. 5×0.75 mm ²	5x max. 5×0.75 mm ²	5x max. 5×0.75 mm ²
Cable diameter min.	Max. 8.0 mm	Max. 8.0 mm	Max. 8.0 mm	Max. 8.0 mm
Connection	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Degree of protection as per IEC 60529	IP 67	IP 67	IP 67	IP 67
Ambient temperature range T_a	-25...+85 °C	-25...+85 °C	-25...+85 °C	-25...+85 °C
Housing material	Brass	Brass	Brass	Brass
Shielded version	Yes*	Yes*	Yes*	Yes*

*Knurled ring used for shielding



more added value
Shielded throughout!

Profibus

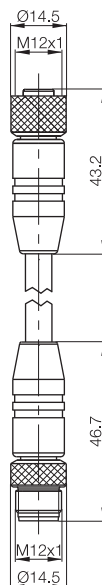
Bus cable, M12, 5-pin, B-coded



Connector diagram and wiring		<table border="1"> <tr><td>1</td><td>NC</td></tr> <tr><td>2</td><td>Line A green</td></tr> <tr><td>3</td><td>NC</td></tr> <tr><td>4</td><td>Line B red</td></tr> <tr><td>5</td><td>NC</td></tr> </table>	1	NC	2	Line A green	3	NC	4	Line B red	5	NC
1	NC											
2	Line A green											
3	NC											
4	Line B red											
5	NC											
Version	Female/male											
Power supply U_s	300 V											
Cable	PUR											
No. of wires \times cross-section	2 \times 0.38 mm ²											
Degree of protection as per IEC 60529	IP 67											
Ambient temperature range T_a	-25...+80 °C											
Housing material	PUR											
Knurled ring	Nickel-plated brass											

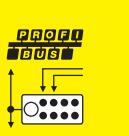
Cable material	Color	Length	Ordering code
			Part number
PUR	Violet	0.6 m	BCC070M
			BCC M415-M415-3B-329-PS72N1-006
PUR	Violet	1 m	BCC070N
			BCC M415-M415-3B-329-PS72N1-010
PUR	Violet	2 m	BCC070P
			BCC M415-M415-3B-329-PS72N1-020
PUR	Violet	5 m	BCC070R
			BCC M415-M415-3B-329-PS72N1-050
PUR	Violet	10 m	BCC070T
			BCC M415-M415-3B-329-PS72N1-100
PUR	Violet	15 m	BCC070U
			BCC M415-M415-3B-329-PS72N1-150
PUR	Violet	20 m	BCC070W
			BCC M415-M415-3B-329-PS72N1-200

Other cable materials, colors and lengths on request.



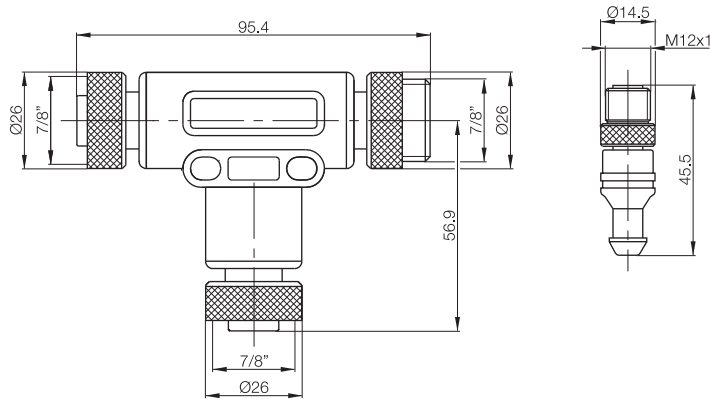
Profibus

Power tee and bus terminating resistor








Product topology
IO-Link modules
Modules
Power cables
Power tee
Bus connectors
Bus cables
Terminating resistor
Accessories

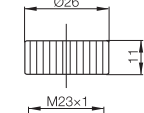
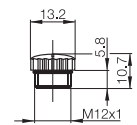
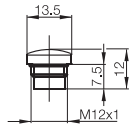
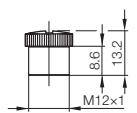
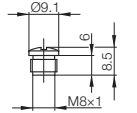
View of female/male side	<p>1 0 V 2 0 V 3 PE 4 Power supply 5 Actuator supply</p>		
Configuration	7/8" power distributor	M12 terminating resistor	
Version	Standard	B-coded	
Version	5-pin	5-pin	
Version	Female/male	Male	
Ordering code	BCC00AZ	BCC00Y8	
Part number	BKS-S248-TL2-01	BKS-S105-R01	
Power supply U_s	300 V AC	10...30 V DC	
Degree of protection as per IEC 60529	IP 67	IP 67	
Ambient temperature range T_a	-40...+90 °C	-40...+85 °C	
Housing material	Plastic	Plastic	

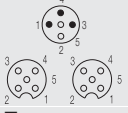
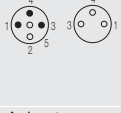
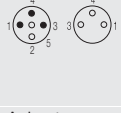


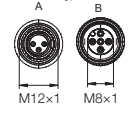
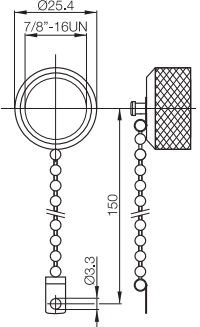
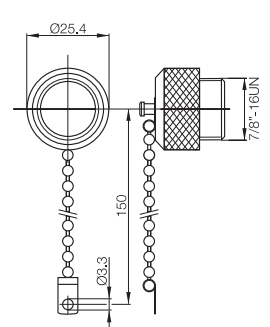
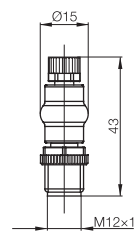
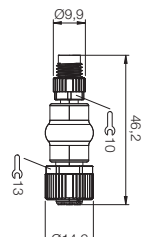
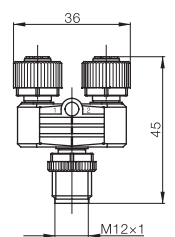
more added value

Customized components
for quick and easy Profibus installation!

					
Description	M8 screw plug	M12 screw plug	M12 screw plug	M12 screw plug	M23 screw plug
Version	IP 65 screw plug for unused ports	IP 65 screw plug for unused ports	IP 65 screw plug for unused ports	IP 65 screw plug for unused ports	IP 65 screw plug for unused ports
Ordering code	BAM01C1	BAM01C2	BAM0114	BAM0115	BAM012P
Part number	BAM CS-XA-001-M8-C	BAM CS-XA-002-M12-A	BKS 12-CS-01	BKS 12-CS-02	BKS 23-CS-00
Ambient temperature T_a	-20...+80 °C	-20...+80 °C	-20...+80 °C	-20...+80 °C	-20...+80 °C
Housing material	Plastic	Plastic	Nickel-plated brass	PA 6	Nickel-plated brass



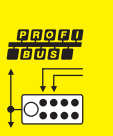
View of female/male side					
Description	Tee	Adapter	Adapter	Screw plug 7/8"	Screw plug 7/8"
Version	M12 male to M12 female 2x 2 signals to one port	M8 male 3-pin to M12 female 3-pin	M12 male 3-pin to M8 female 3-pin	Cover for the power ports	Cover for the power ports
Ordering code	BCC02CL	BCC007W	BCC02CK		
Part number	BKS-S4-TM1-01	BKS-S49-GM1/S4	BKS-S4-GM1-01/S49	BKS-7/8-CS-00-A	BKS-7/8-CS-00-I
Power supply U_B	Max. 24 V DC	Max. 24 V DC	Max. 24 V DC		
Rated operating current I_B	Max. 4 A per contact	Max. 4 A per contact	Max. 4 A per contact		
Degree of protection as per IEC 60529	IP 67	IP 67	IP 67		
Ambient temperature range T_a	-25...+90 °C	-25...+85 °C	-25...+85 °C	-20...+80 °C	-20...+80 °C
Housing material	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn	Nickel-plated Gd-Zn	Nickel-plated brass	Nickel-plated brass



Profibus Accessories

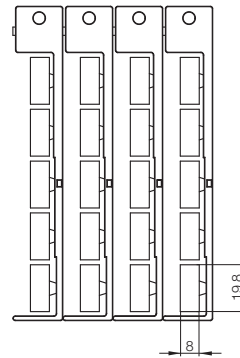


Description	Tamperproof cover with 4 openings	Marking sleeve For labeling connectors	Label set Labeling the ports for modules BNI PBS..., BNI PNT..., BNI DNT..., BNI EIP..., BNI CCL...	
Version				
Ordering code			BAM01AT	
Part number	BAM FK-NI-003-BPS-01	BAM IA-CC-002-01	BNI ACC-L01-000	
Housing material			Plastic	



Product topology
IO-Link modules
Modules
Power cables
Power tee
Bus connectors
Bus cables
Terminating resistor

Accessories



3-wire BCC connector, see chapter Connectors and Connection Cables beginning on page 246!

