

INPUT PROFIBUS-DP IP67 M8



The Profibus-DP "COMPACT" input module is a sturdy and compact IP67 slave that can be used for connecting up to 8 inputs. A series of diagnostic functions provides information on the state of operation through lights and signals to the controller.



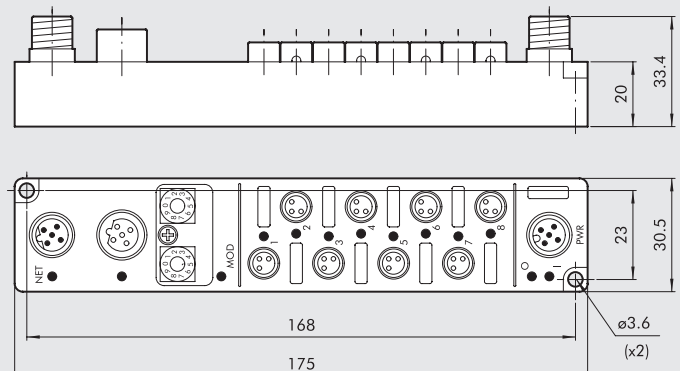
VALVES

INPUT PROFIBUS-DP IP67 M8

TECHNICAL DATA	
Application	8 PNP inputs
Power supply	24 VDC (13-28 V)
Index of protection	IP67
Temperature range	-20 to +70°C RH 5-95% - no condensate
Field Bus technical data	Transmission protocol DP-VO Profibus to EN 50170
	Transmission mode Synchronous or Freeze-Mode
	Transfer rate Up to 12 MBit/s
	Addresses Rotary switches, 1...99
Input technical data	Type PNP proximity sensors or IEE 1131-2 compact mechanical stop
	Power supply 24 VDC (18 to 28 V)
	Signal One green LED for each input
	Input 0 signal voltage 2...5 V
	Input 1 signal voltage 10...30 V
Diagnosis	Field bus "NET" LED+alarm signal to master
	INPUT short-circuit sensor Red LED for each channel at M8 connection point M8 (600 mA)

SLAVE IP67

Code	Description
0240008002	IP67 M8 PROFIBUS INPUT



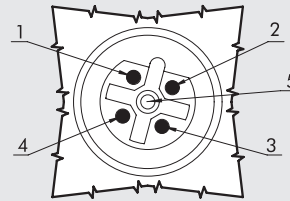
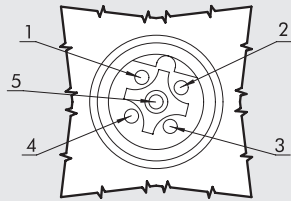
PIN ASSIGNMENT

PROFIBUS CONNECTORS

BUS OUT

M12 female connector
B coding for profibus

- 1 - 5 VDC power
- 2 - Bus A
- 3 - GND
- 4 - Bus B
- 5 - Shield



BUS IN

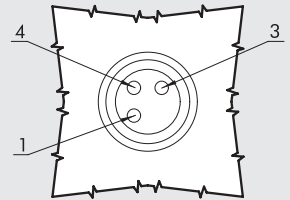
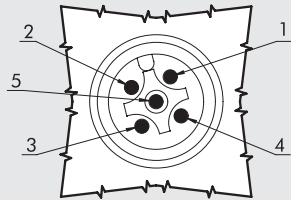
M12 male connector
B coding for profibus

- 1 - 5 VDC power
- 2 - Bus A
- 3 - GND
- 4 - Bus B
- 5 - Shield

POWER CONNECTOR

M12 male connector
A coding

- 1 - Power supply module and input
- 2 - NC
- 3 - GND
- 4 - GND
- 5 - Grounding



INPUT CONNECTORS

M8 three-pole female connector
A coding

- 1 - 24VDC
- 3 - GND
- 4 - INPUT

LED ASSIGNMENT

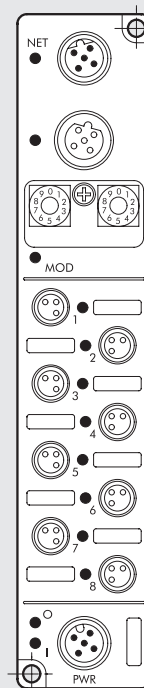
NETWORK
 ● (red): slave not configured or not communicating with master
 ● (green): slave configured and communicating with master

MODULE FAILURE
 ● (red): check signal LEDs

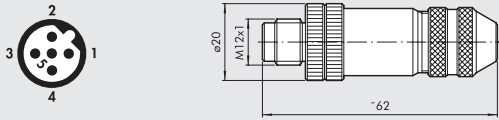
Channel LEDs (inputs)
 ● (green): input enabled
 ● (red): sensor faulty, +24V power supply short-circuit

NOT USED

INPUT MODULE POWER SUPPLY
 ● (green): on



M12 BUS-OUT MALE CONNECTOR



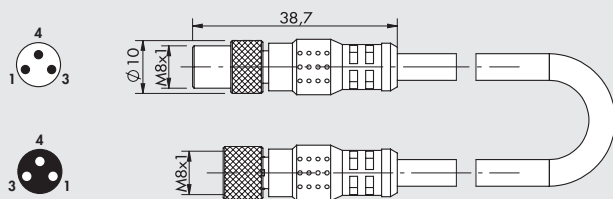
Code	Description
0240009035	M12 male connector, B coding

M8-M12 PLUG



Code	Description
0240009039	M8 plug
0240009040	M12 plug

M8 ADAPTER CABLE FOR CONNECTION OF THE PRESSURE SWITCH

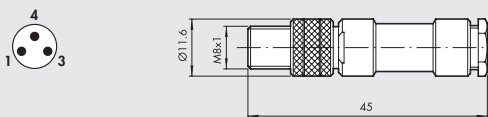


Code	Description
0240010501	M8-M, M8-F 3-pole adapter with cable L = 0.3 m

Note: Can be used for connecting 1/8-1/4, Syntesi®, Skillair®, PRS L pressure switches. Contact type NO (Normally open).

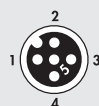
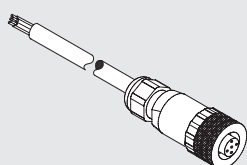
M8F	M8M	Function
pin 1	pin 1	Power supply +
pin 3	pin 2	Signal NO
pin 4	disconnect	

M8 INPUT CONNECTOR



Code	Description
0240009010	M8 3-pin straight connector

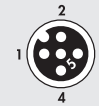
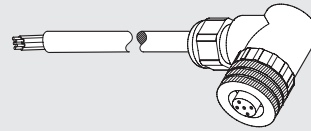
M12 STRAIGHT SUPPLY CONNECTOR WITH CABLE



Pin	Cable color
1	Brown
2	White
3	Blue
4	Black
5	Grey

Code	Description
W0970513002	5-pin M12x1 straight connector with 5 m cable

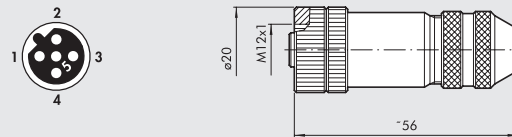
M12 90° SUPPLY CONNECTOR WITH CABLE



Pin	Cable color
1	Brown
2	White
3	Blue
4	Black
5	Grey

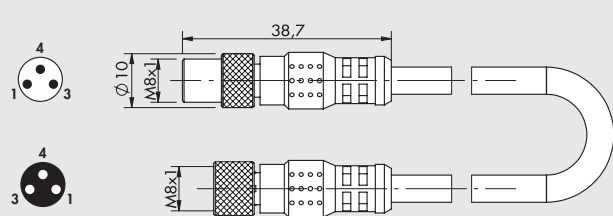
Code	Description
W0970513004	M12x1 5-pin 90° connector with 5 m cable

M12 BUS-IN FEMALE CONNECTOR



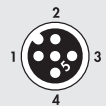
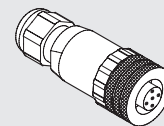
Code	Description
0240009036	M12 female connector, B coding

M8 INPUT CONNECTOR WITH CABLE



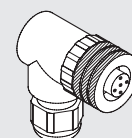
Code	Description
0240009009	M8-M8 straight connector with 3 m cable

M12 STRAIGHT SUPPLY CONNECTOR



Code	Description
W0970513001	5-pin M12x1 straight connector

M12 90° SUPPLY CONNECTOR



Code	Description
W0970513003	M12x1 5-pin 90° connector