

- PROFIBUS
- Intelligent functions



**General attributes**

Approvals / Conformity  
Enclosure Type per IEC 60529  
Indicator sensors supply US  
Indicator switching function  
Mounting instruction  
Scope of delivery

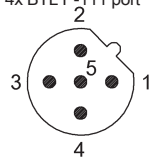
CE  
IP67 (when connected)  
Yes, LED green  
Yes, LED yellow  
See short guide  
20x labels  
Short guide  
Screw M4x6  
4x plugs M12  
Ground strap  
Circlip  
PROFIBUS DP per EN 50170

Transmission protocol

**Electrical attributes**

Address range  
Bus system  
Configurable in-/outputs  
Current sum US (Sensor)  
Eff. operating voltage U<sub>e</sub> DC  
Inputs  
Number of auxiliary interfaces

0-99  
PROFIBUS  
Yes  
9.0 A  
24 V  
Current/Voltage  
4x BTL P-111 port



PIN 1: Supply voltage +  
PIN 2: A-Line  
PIN 3: DGND  
PIN 4: B-Line  
PIN 5: Shield

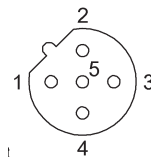
Number of inputs  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Transfer rate max.  
Transfer rate min.

8  
30.2 V  
18 V  
12 Mbit/s  
9.6 kbit/s

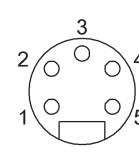
**Mechanical attributes**

Ambient temperature T<sub>a</sub> max.  
Ambient temperature T<sub>a</sub> min.  
Height  
Housing material  
Housing shield  
Length  
Mounting ground strap  
Mounting type  
Number of plug-in positions  
Storage temperature max.  
Storage temperature min.  
Style  
Surface protection  
Width

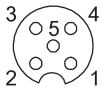
70 °C  
-5 °C  
37.9 mm  
GD-ZnAl4Cu1 (die-cast zinc)  
Yes  
224.0 mm  
M4  
2-hole screw mounting  
8  
75 °C  
-25 °C  
Two-row  
Cu 15 μ / Ni 15 μ  
68.0 mm



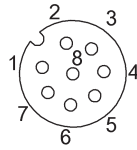
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PIN 5: Shield



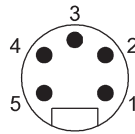
PIN 1: 0V  
PIN 2: 0V  
PIN 3: Function ground  
PIN 4: P-111- and bus supply  
PIN 5: Sensor supply  
Power Out



Analog input port  
PIN 1: +24V, 1A  
PIN 2: Analog input/voltage  
PIN 3: 0V  
PIN 4: Analog input/current  
PIN 5: Function ground



P-111-port  
PIN 1: +INIT  
PIN 2: +START/STOP  
PIN 3: -INIT  
PIN 4: not used  
PIN 5: -START/STOP  
PIN 6: 0V  
PIN 7: +24V  
PIN 8: not used



PIN 1: 0V  
PIN 2: 0V  
PIN 3: Function ground  
PIN 4: P-111- and bus supply  
PIN 5: Sensor supply  
Power In