

- 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
Ground strap
Screw M4x6
Circlip
4x plugs M12
20x labels
Short guide
PROFIBUS DP per EN 50170

Transmission protocol

Electrical attributes

Address range
Bus system
Configurable in-/outputs
Current sum US (Sensor)
Eff. operating voltage Ue DC
Inputs
Number of auxiliary interfaces
Number of inputs
Operating voltage UB max. DC [V]

0-99
PROFIBUS
Yes
9.0 A
24 V
Current/Voltage
4x BTL P-111 port
8
30.2 V

Operating voltage UB min. DC [V]
Transfer rate max.
Transfer rate min.

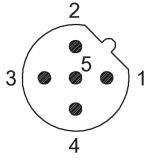
18 V
12 Mbit/s
9.6 kBit/s

Mechanical attributes

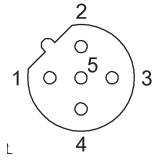
Ambient temperature Ta max.
Ambient temperature Ta min.
Connection Bus In
Connection Power In
Connection Power out
Connection sensors/actuators
Height
Housing material
Housing shield
Length
Mounting ground strap
Mounting type
Number of plug-in positions
Storage temperature max.
Storage temperature min.
Style
Surface protection
Width

70 °C
-5 °C
5-pin male M12x1
5-pin male 7/8"
5-pin female 7/8"
M12x1
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

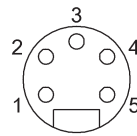
BNI PBS-552-000-Z001
BNI002H



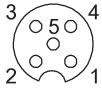
PIN 1: Supply voltage +
PIN 2: A-Line
PIN 3: DGND
PIN 4: B-Line
PIN 5: Shield



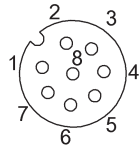
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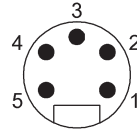
PIN 1: 0V
PIN 2: 0V
PIN 3: Function ground
PIN 4: P-111- and bus supply
PIN 5: Sensor supply
Power Out



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