

- PROFIBUS
- Intelligent functions



**General attributes**

Approvals / Conformity

Device description file  
Enclosure Type per IEC 60529  
Indicator actuators supply UA  
Indicator sensors supply US  
Indicator switching function  
Mounting instruction  
Scope of delivery

Transmission protocol  
MTTF

**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  
Number of outputs 2A  
Operating voltage UB max. DC [V]

CE  
CSA  
UL94  
BAL\_OC64  
IP67 (when connected)  
Yes, LED green  
Yes, LED green  
Yes, LED yellow  
See short guide  
Screw M4x6  
4x plugs M12  
Circlip  
Ground strap  
Short guide  
20x labels  
PROFIBUS DP per EN 50170  
69 a

0-99  
PROFIBUS  
Yes  
9.0 A  
24 V  
PNP, Type 2  
4x IO-Link  
8  
8  
30.2 V

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

18 V  
PNP  
12 Mbit/s  
9.6 kBit/s

**Mechanical attributes**

Ambient temperature Ta max.  
Ambient temperature Ta 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

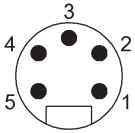
70 °C  
-5 °C  
32.4 mm  
GD-ZnAl4Cu1 (die-cast zinc)  
Yes  
224.0 mm  
M4  
2-hole screw mounting  
4 ST  
70 °C  
-25 °C  
one row  
Cu 15 µ / Ni 15 µ  
37.0 mm

**Remarks**

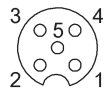
For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

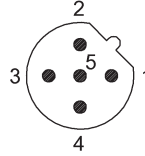
**BNI PBS-507-001-Z011**  
**BNI003P**



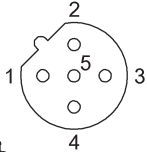
PIN 1: 0V  
PIN 2: 0V  
PIN 3: Function ground  
PIN 4: Sensor and bus supply.  
PIN 5: Actuator supply  
Power In



IO-Link  
PIN 1: +24V, 1.6A  
PIN 2: In-/output/Diagnostics  
PIN 3: 0V  
PIN 4: IO-Link/In-/output  
PIN 5: n.c.



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



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