

■ Input module



**General attributes**

Approvals / Conformity  
Enclosure Type per IEC 60529  
Indicator IO-Link comm.  
Indicator sensors supply US  
Indicator switching function  
Mounting instruction  
Scope of delivery

CE  
IP67 (when connected)  
Yes, LED green  
Yes, LED green  
Yes, LED yellow  
See short guide  
20x labels  
Short guide  
Screw M4x6  
4x plugs M12  
Circlip  
Ground strap  
IO-Link 1.0

Transmission protocol

**Electrical attributes**

Configurable in-/outputs  
Current sum US (Sensor)  
Cycle time min.  
Eff. operating voltage Ue DC  
Indicator modul supply  
Inputs

No  
1.1 A  
3 ms  
24 V  
Yes, LED green  
PNP, Type 2

Number of inputs  
Operating voltage UB max. DC [V]  
Operating voltage UB min. DC [V]  
Process data cycle  
Transfer rate

16  
30.2 V  
18 V  
12 ms at cycle time min.  
COM2 (38.4 kBaud)

**Mechanical attributes**

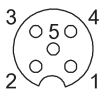
Ambient temperature Ta max.  
Ambient temperature Ta min.  
Frametype  
Height  
Housing material  
Housing shield  
Length  
Mounting ground strap  
Mounting type  
Number of plug-in positions  
Storage temperature max.  
Storage temperature min.  
Style  
Surface protection  
Width

70 °C  
-5 °C  
1  
31.8 mm  
GD-ZnAl4Cu1 (die-cast zinc)  
Yes  
175.0 mm  
M4  
2-hole screw mounting  
8  
70 °C  
-25 °C  
Two-row  
Cu 15 μ / Ni 15 μ  
68.0 mm

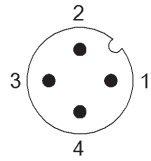
Network interface

**BNI IOL-104-S01-Z012-C01**  
**BNI003T**

**BALLUFF**  
*sensors worldwide*



Input Ports  
PIN 1: +24 V, 100 mA  
PIN 2: Input 2  
PIN 3: GND  
PIN 4: Input 1  
PIN 5: Function ground



IO-Link  
PIN 1: +24V  
PIN 2: not used  
PIN 3: GND  
PIN 4: C/Q, IO-Link DC-Channel