



## I/O modules

# BNI IOL-104-000-Z012

Order Code: BNI0032

# BALLUFF

### Environmental conditions

Ambient temperature	-5...70 °C
Ambient temperature UL max.	45 °C
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
IP rating	IP67 when threaded in
Storage temperature	-25...70 °C

### Functional safety

MTTF (40 °C)	89 a
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### Material

Gasket, material	FKM 75
Housing material	Zinc, Die casting
Housing shield	yes
Surface protection	Cu 15 µm Ni 15 µm

### Mechanical data

Dimension	68 x 31.8 x 181.5 mm
Mounting	2-hole screw mount
Mounting ground strap	M4 internal thread

### Output/Interface

Cycle time min.	3.0 ms
Digital inputs	16x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	2 bytes
Process data cycle min.	3.0 ms
Transfer rate	COM2 (38.4 kBaud)

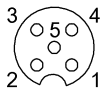
### Remarks

See short guide

For more information about MTTF and B10d see MTTF / B10d Certificate

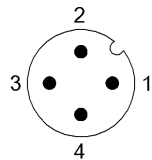
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings



### Input Ports

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



### IO-Link

PIN 1: +24V  
PIN 2: n.c.  
PIN 3: GND  
PIN 4: C/Q, IO-Link DC-Channel