

### Basic features

<b>Approval/Conformity</b>	CE WEEE
<b>Scope of delivery</b>	Short guide

### Display/Operation

<b>IO-Link communication indicator</b>	Green LED
<b>Module supply indicator</b>	Green LED

### Electrical connection

<b>Connection (COM 1)</b>	M12x1-Male, 4-pin, A-coded
<b>Connection slots</b>	M12x1-Female, 4-pin, A-coded
<b>Contact, surface protection</b>	nickel plated 2 µm/gold plated 0.4 µm

### Electrical data

<b>Configurable inputs/outputs</b>	no
<b>Current consumption without load, max.</b>	30 mA
<b>Current sum US, sensor</b>	4 A
<b>IO-Link function</b>	Device
<b>IO-Link ports, number</b>	1
<b>Operating voltage <math>U_b</math></b>	18...30.2 VDC
<b>Rated operating voltage <math>U_e</math> DC</b>	24 V

### Environmental conditions

<b>Ambient temperature</b>	-5...70 °C
<b>IP rating</b>	IP67, when threaded in
<b>Storage temperature</b>	-25...70 °C

### Functional safety

<b>MTTF (40 °C)</b>	509 a
---------------------	-------

I/O modules  
**BNI IOL-716-000-K023**  
Order Code: BNI004T

# BALLUFF

## Interface

Analog inputs	Analog, temperature (Pt100)
Cycle time min.	3 ms
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	2 bytes
Process data cycle min.	12 ms
Transfer rate	COM2 (38.4 kBaud)

## Material

Gasket, material	FKM 75
Housing material	PA
Housing shield	no

## Mechanical data

Dimension	14.2 x 50.4 x 40 mm
-----------	---------------------

## Range/Distance

Resolution	≤ 14 bits
------------	-----------

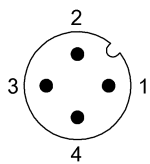
## Remarks

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



IO-Link

PIN 1: +24V, 1.4A

PIN 2: not used

PIN 3: GND, reference potential

PIN 4: C/Q, IO-Link