

## Basic features

Approval/Conformity	CE UKCA cULus WEEE
Life expectancy min.	50000 h
Scope of delivery	Lock washer Rubber foot Short guide M4x6 screw Hex nut M18x1

## Display/Operation

Buzzer function	yes
Colors, number	7
Dimmable	yes
Function indicator	Runlight Mode Level Mode Segment Mode Flexi-Mode
IO-Link communication indicator	Green LED
Module supply indicator	Green LED
Predefined colors	Yellow white Green Blue Red Orange configurable
Segments, number max.	5
Setting	Function indicator Volume

## Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

## Electrical data

Operating voltage $U_b$	18...30.2 VDC
Rated operating voltage $U_e$ DC	24 V
Sound frequency	2800 ± 500 Hz

## Environmental conditions

Ambient temperature	-5...50 °C
IP rating	IP30
Storage temperature	-25...50 °C
Volume (at a distance of 1m)	95 dB/m

## Interface

Additional function	Expanded process data
Cycle time min.	7.2 ms
Error signal	≤ 3x120+40 mA
Frame type	2.V
IO-Link function	Device
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	1 byte
Process data OUT	8 bytes
Process data cycle min.	7.2 ms

Signaling and Display Units  
**BNI IOL-802-102-Z037**  
Order Code: BNI0085

**BALLUFF**

**Material**

<b>Housing material</b>	PC, Transparent, Cu 15 µm, Ni 15 µm Die-cast zinc
<b>Housing shield</b>	yes
<b>Surface protection</b>	Cu 15 µm Ni 15 µm

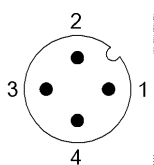
**Mechanical data**

<b>Application weight</b>	570.00 g
<b>Dimension</b>	60 x 60 x 330.5 mm
<b>Grounding cable attachment</b>	M4
<b>Mounting part</b>	Screws M18

**Remarks**

See short guide

**Connector Drawings**



IO-Link

PIN 1: +24V

PIN 2: not used

PIN 3: GND

PIN 4: C/Q, IO-Link DC-Channel