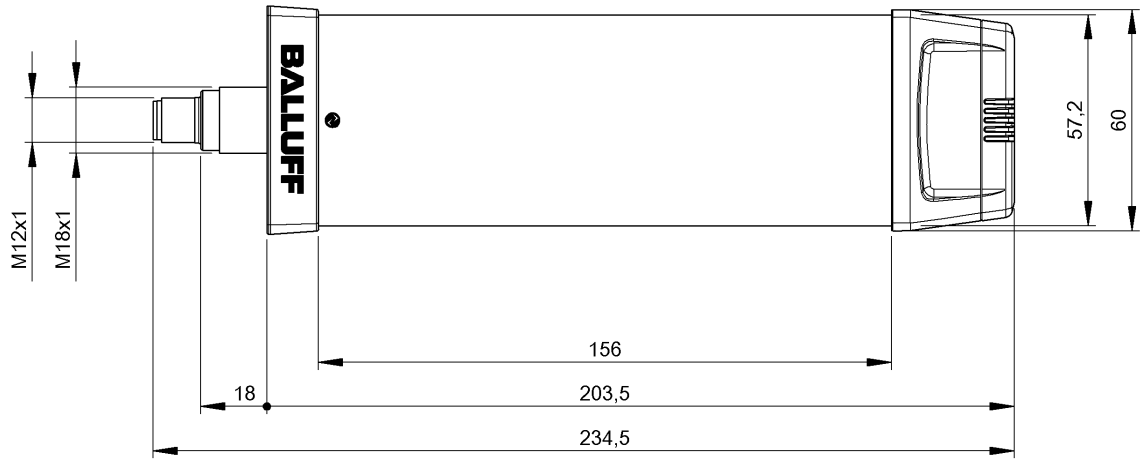
Signaling and Display Units

BNI IOL-801-102-Z037
Order Code: BNI008A



Acoustic data

Sound frequency	2800 ± 500 Hz
Volume (at a distance of 1m)	95 dB

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
Display	static, flashing Flashing freely programmable
Function indicator	Runlight Mode Level Mode Segment Mode Flexi-Mode
IO-Link communication indicator	LED green
Module supply indicator	LED green
Predefined colors	Yellow White Green Blue Red Orange configurable
Segments, number max.	3
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

Current consumption max. at 24 V DC	255 mA
Operating voltage Ub	18...30.2 VDC
Rated operating voltage Ue DC	24 V

Environmental conditions

Ambient temperature	-5...50 °C
IP rating	IP30
Storage temperature	-25...50 °C

Functional safety

MTTF (40 °C)	52 a

IO-Link

IO-Link Profil IDs	N/A
IO-Link function	Device
IO-Link version	1.1

Interface

Additional function	Expanded process data
Cycle time min.	7.2 ms
Frame type	2.V
Interface	IO-Link: 1.1
Process data IN	1 byte
Process data OUT	8 bytes
Process data cycle min.	7.2 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Gasket, material	FKM 75
Housing material	PC, Transparent, Cu 15 µm, Ni 15 µm Die-cast zinc
Surface protection	Cu 15 µm Ni 15 µm

Mechanical data

Application weight	470.00 g
Dimension	60 x 60 x 234.5 mm
Mounting part	Screws M18

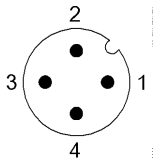
Remarks

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