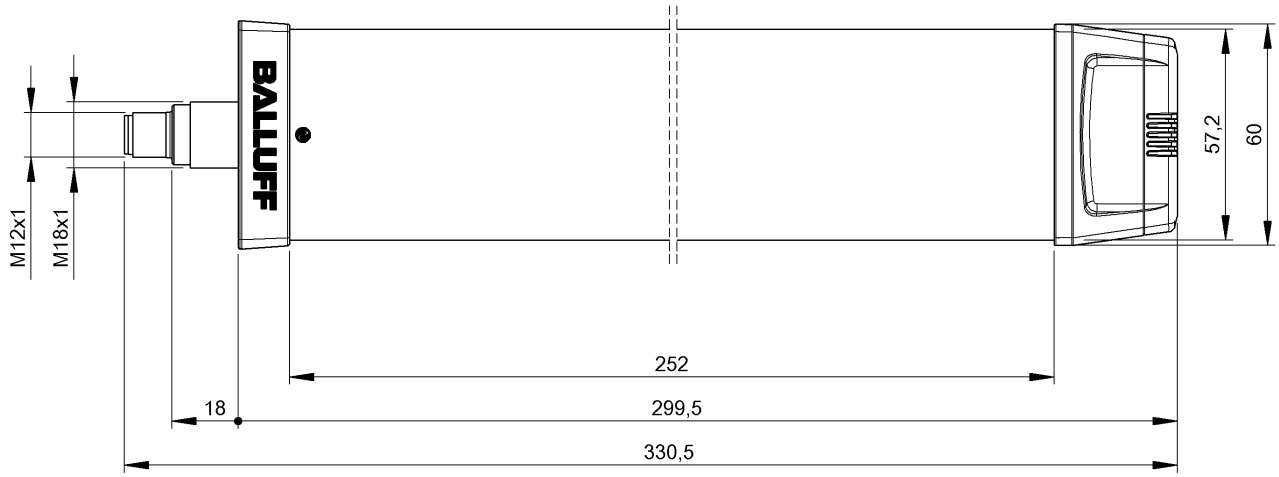
Signaling and Display Units

BNI IOL-802-102-Z037
Order Code: BNI0085



Acoustic data

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

Basic features

Approval/Conformity	CE UKCA cULus WEEE NOM
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.	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

Current consumption max. at 24 V DC	410 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

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

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

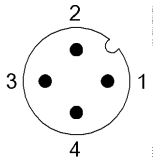
Mechanical data

Application weight	570.00 g
Dimension	60 x 60 x 330.5 mm
Mounting part	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