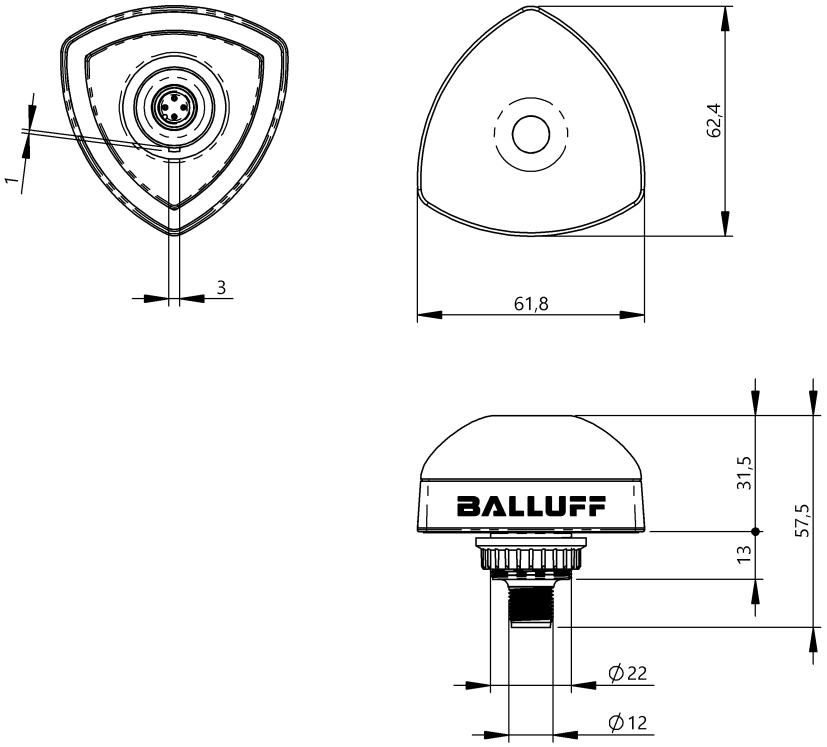
Signaling and Display Units

BNI IOL-803-103-R036
Order Code: BNI00E0



Basic features

Approval/Conformity	CE UKCA cULus WEEE NOM
Life expectancy min.	50000 h
Scope of delivery	Device Nut Rubber gasket Washer User manual

Display/Operation

Buzzer function	no
Colors, number	7
Dimmable	yes
Display	static, flashing Flashing freely programmable
Function indicator	Runlight Mode Level Mode Segment Mode Color circle mode
IO-Link communication indicator	LED green
Module supply indicator	LED green
Predefined colors	Yellow White Green Blue Red Orange configurable
Segments, number max.	6
Setting	Function indicator

Signaling and Display Units

BNI IOL-803-103-R036
Order Code: BNI00E0

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 Ub	18...30.2 VDC
Rated operating voltage Ue DC	24 V

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP67
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	83.2 a

IO-Link

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

Interface

Additional function	Daisy chain (2x devices per IO-Link port)
Cycle time min.	8.4 ms
Frame type	2.V
Interface	IO-Link: 1.1
Process data IN	2 bytes
Process data OUT	8 bytes
Process data cycle min.	8.4 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Housing material	PC, Transparent PPS

Mechanical data

Dimension	61.8 x 62.4 x 57.5 mm
Mounting part	Screws M22

Optical features

Light type	LED infrared

Range/Distance

Range	100 mm, adjustable

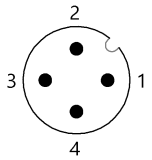
Remarks

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 interface

PIN 1: +24V

PIN 2: Comm. (Exp. Mode)

PIN 3: GND, reference potential

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