

Basic features

Approval/Conformity	CE Ecolab EAC WEEE
Scope of delivery	User manual
Style	tubular

Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication indicator	Green LED
Module supply indicator	Green LED
Sensor supply US indicator	Green LED

Electrical connection

Cable diameter D	8 mm
Cable length L	1.3 m
Conductor cross-section	0.34 mm ²
Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection slots	open cable end-Leads
Connection type	1.3 m, PUR
Contact, surface protection	Cu1Ni2Au0.8
Number of conductors	10

Electrical data

Configurable inputs/outputs	yes
Current consumption without load, max.	50 mA
IO-Link function	Device
IO-Link ports, number	1
Operating voltage Ub	18...30.2 VDC
Rated operating voltage Ue DC	24 V
Switching current	64x 400 mA

I/O modules

BNI IOL-772-002-E032
Order Code: BNI00AE

BALLUFF

Environmental conditions

Ambient temperature	-5...60 °C
EN 60068-2-27, Shock	yes
EN 60068-2-6, Vibration	yes
IP rating	IP69K, IP68 when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	171 a
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Material

Housing material	Stainless steel (1.4404) PTFE
Housing shield	yes
Material jacket	PUR

Mechanical data

Dimension	Ø 18 x 117 mm
Mounting	Diameter 18.0 mm Mounting clamps

Output/Interface

Cycle time min.	8.4 ms
Digital inputs	8x PNP, Type 3
Digital outputs	64x PNP
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	1 bytes
Process data OUT	1 bytes
Process data cycle min.	8.4 ms
Transfer rate	COM2 (38.4 kBaud)

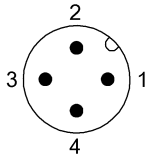
Remarks

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, US

PIN 2: +24V, UA

PIN 3: GND

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

Wiring Diagrams

Requirements	Wire color
0 V_GND	Black
Input 1 / Output 1	Light
Input 2 / Output 2	White
Input 3 / Output 3	Brown
Input 4 / Output 4	Green
Input 5 / Output 5	Yellow
Input 6 / Output 6	Gray
Input 7 / Output 7	Pink
Input 8 / Output 8	Blue
US Supply +24 V	Red