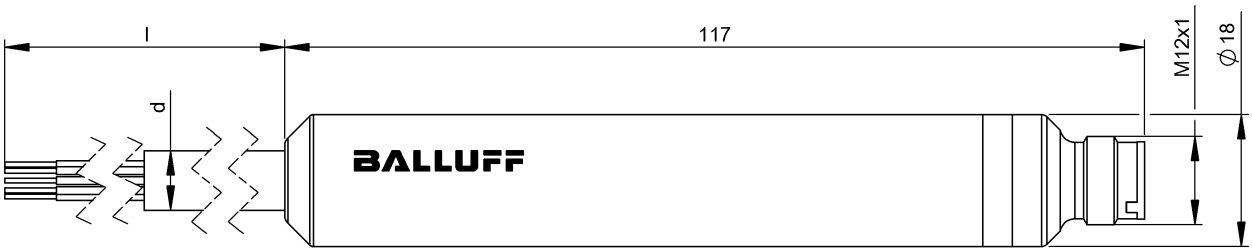
I/O modules

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



Basic features

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

Display/Operation

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

Electrical connection

Cable diameter D	8 mm
Cable length L	1.3 m
Conductor cross-section	0.34 mm²
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
Current sum UA, actuator	4.0 A
Current sum US, sensor	4.0 A
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

BNI IOL-772-002-E032
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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

Interface

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

Material

Housing material	1.4404 stainless steel PTFE
Housing shield	yes
Material jacket	PUR

Mechanical data

Dimension	Ø 18 x 117 mm
Mounting part	Diameter 18.0 mm Mounting clamps
Weight	207.341 g

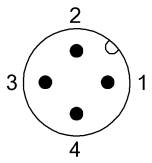
Remarks

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 (Schematic)

Requirements	Wire color
0 V, GND	Black
Input 1 / Output 1	Lila
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