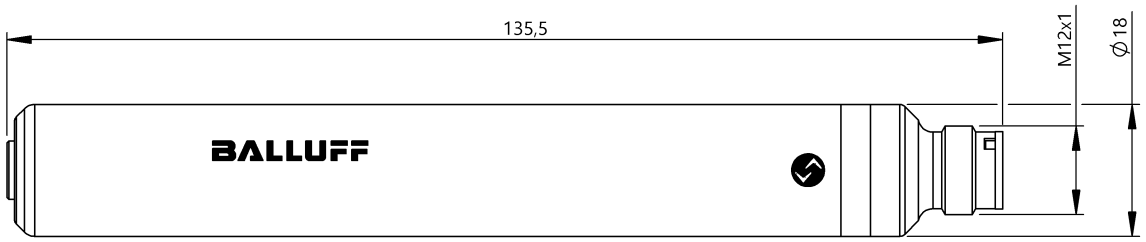
I/O modules

BNI IOL-730-002-E023
Order Code: BNI00C6



Basic features

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

Display/Operation

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

Electrical connection

Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection slots	M12x1-Female, 5-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	yes
Current consumption without load, max.	60 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

Environmental conditions

Ambient temperature	-5...70 °C
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	67 a

IO-Link

IO-Link Profil IDs	N/A

I/O modules

BNI IOL-730-002-E023
Order Code: BNI00C6

Interface

Analog inputs	Analog, voltage/analog, current/ analog, temperature (0…10 V/-10… 10 V/0…5 V/-5…5 V/5…10 V/4…20 mA/0…20 mA/Pt100/Pt1000/ Thermocouple Type J/ Thermocouple Type K)
Analog outputs	Analog, voltage/analog, current (0…10 V/-10…10 V/0…5 V/-5…5 V/ 5…10 V/4…20 mA/0…20 mA)
Cycle time min.	10 ms
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	3 bytes
Process data OUT	2 bytes
Process data cycle min.	10 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Gasket, material	FKM 75
Housing material	1.4404 stainless steel PTFE
Housing shield	yes

Mechanical data

Dimension	Ø 18 x 135.5 mm
Mounting part	Diameter 18.0 mm Mounting clamps
Weight	105 g

Range/Distance

Resolution	≤ 16 Bit Max.

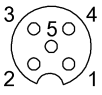
Remarks

See short guide

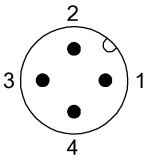
For more information about MTTF and B10d see MTTF / B10d Certificate

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



I/O ports
PIN 1: +24V, 100mA
PIN 2: Input/Output 2
PIN 3: GND
PIN 4: Input/Output 1
PIN 5: Function ground



IO-Link
PIN 1: +24V
PIN 2: +24V
PIN 3: GND
PIN 4: C/Q, IO-Link DC-Channel