

## Basic features

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

## Display/Operation

<b>Actuator supply UA, indicator</b>	Green LED
<b>IO-Link communication indicator</b>	Green LED
<b>Module supply indicator</b>	Green LED

## Electrical connection

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

## Electrical data

<b>Configurable inputs/outputs</b>	yes
<b>Current consumption without load, max.</b>	60 mA
<b>Current sum UA, actuator</b>	4.0 A
<b>Current sum US, sensor</b>	4.0 A
<b>IO-Link function</b>	Device
<b>IO-Link ports, number</b>	1
<b>Operating voltage U<sub>b</sub></b>	18...30.2 VDC
<b>Rated operating voltage U<sub>e</sub> DC</b>	24 V

## Environmental conditions

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

## Functional safety

<b>MTTF (40 °C)</b>	67 a
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## IO-Link

<b>IO-Link Profil IDs</b>	N/A
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I/O modules  
**BNI IOL-730-002-E023**  
**Order Code: BNI00C6**



**Interface**

<b>Analog inputs</b>	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)
<b>Analog outputs</b>	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)
<b>Cycle time min.</b>	10 ms
<b>IO-Link version</b>	1.1
<b>Interface</b>	IO-Link 1.1
<b>Process data IN</b>	3 bytes
<b>Process data OUT</b>	2 bytes
<b>Process data cycle min.</b>	10 ms

**Transfer rate**

COM2 (38.4 kBaud)

**Material**

<b>Gasket, material</b>	FKM 75
<b>Housing material</b>	1.4404 stainless steel PTFE
<b>Housing shield</b>	yes

**Mechanical data**

<b>Dimension</b>	Ø 18 x 135.5 mm
<b>Mounting part</b>	Diameter 18.0 mm Mounting clamps

**Range/Distance**

<b>Resolution</b>	≤ 16 Bit Max.
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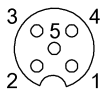
**Remarks**

See short guide

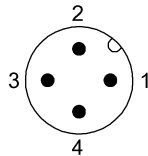
For more information about MTTF and B10d see MTTF / B10d Certificate

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