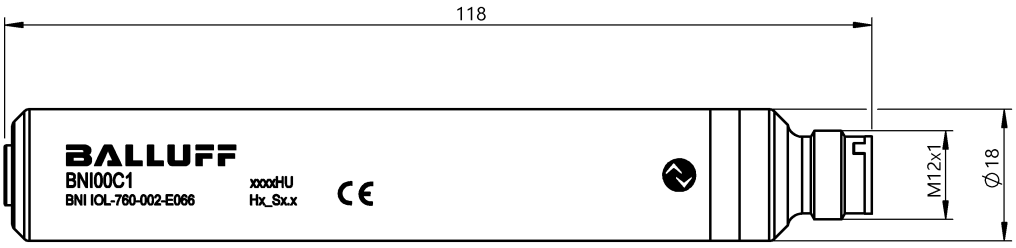
I/O modules

BNI IOL-760-002-E066
Order Code: BNI00C1



Basic features

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

Display/Operation

IO-Link communication indicator	LED green
Module supply indicator	LED green
Sensor supply US indicator	LED green

Electrical connection

Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection slots	M12x1-Female, 8-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	no
Current consumption without load, max.	65 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...55 °C
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	124.5 a

IO-Link

IO-Link Profil IDs	N/A

BNI IOL-760-002-E066
Order Code: BNI00C1

Interface

Auxiliary interfaces	RS232
Cycle time min.	35.2 ms
Digital inputs	2x PNP, Type 3
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	32 bytes
Process data OUT	32 bytes
Process data cycle min.	35.2 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 118 mm
Mounting part	Diameter 18.0 mm Mounting clamps

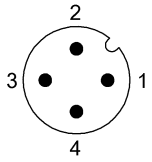
Remarks

See short guide

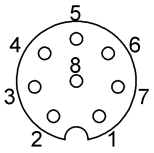
For more information about MTTF and B10d see MTTF / B10d Certificate

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, 1.4A
PIN 2: not used
PIN 3: GND, reference potential
PIN 4: C/Q, IO-Link



PIN 1: TX
PIN2: RTS
PIN 3: RX
PIN4: CTS
PIN5: DIN1
PIN6: DIN2
PIN 7: +24V
PIN 8: GND