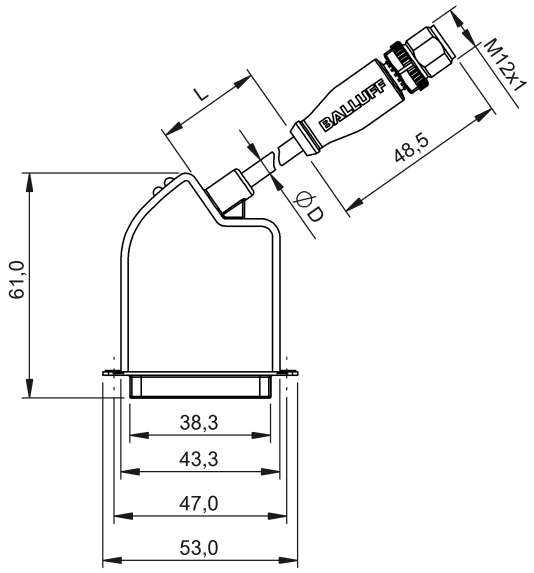
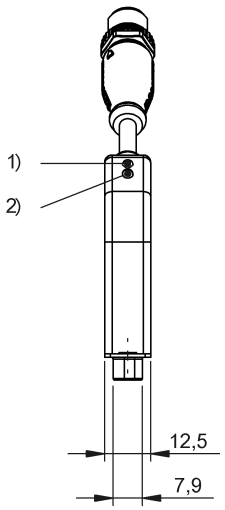
I/O modules

BNI IOL-751-V04-K007
Order Code: BNI001N





Basic features

Approval/Conformity	CE WEEE
Scope of delivery	Short guide

Display/Operation

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

Electrical connection

Cable length L	0.6 m
Conductor cross-section	0.34 mm²
Connection (COM 1)	M12x1-Male, 5-pin, A-coded
Connection slots	D-Sub-Female, 25-pin
Connection type	0.60 m, PUR
Number of conductors	4

Electrical data

Configurable inputs/outputs	no
Current consumption without load, max.	30 mA
Current sum UA, actuator	2 A
Current sum US, sensor	4 A
IO-Link function	Device
IO-Link ports, number	1
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Rated operating voltage Ue DC	24 V

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP40, plugged in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	151 a

Interface

Cycle time min.	3 ms
Frame type	2.4
IO-Link version	1
Interface	IO-Link 1.0
Process data OUT	2 bytes
Process data cycle min.	3.0 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Housing material	PA
Housing shield	no
Material jacket	PUR

Mechanical data

Dimension	53 x 61 x 12.5 mm
Weight	114 g

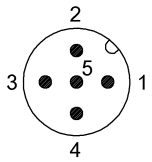
Remarks

See short guide

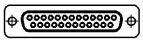
For more information about MTTF and B10d see MTTF / B10d Certificate

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, Controller
PIN 2: +24V, valve
PIN 3: 0V
PIN 4: IO-Link



PIN 1-8: Output
PIN13: 0V
PIN 14-21: Output