

Basic features

Approval/Conformity	CE UKCA WEEE
Scope of delivery	Part label (12x) Port cover M8 (4x) Short guide
Style	Two-row

Display/Operation

IO-Link communication indicator	Green LED
Module supply indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

Electrical connection

Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection slots	8x M8x1-Female, 4-pin
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	no
Current sum US, sensor	4 A
IO-Link function	Device
IO-Link ports, number	1
Operating voltage U_b	18...30.2 VDC
Rated operating voltage U_e DC	24 V

Environmental conditions

Ambient temperature	-5...55 °C
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

IO-Link

IO-Link Profil IDs	N/A
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I/O modules
BNI IOL-104-000-K021
Order Code: BNI0021

BALLUFF

Interface

Cycle time min.	2.5 ms
Digital inputs	16x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	2 bytes
Process data cycle min.	2.5 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Gasket, material	FKM 75
Housing material	PBT, GF
Housing shield	no

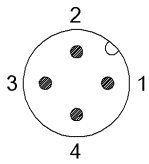
Mechanical data

Dimension	30 x 24 x 129.5 mm
Mounting part	2-hole screw mount

Remarks

See short guide

Connector Drawings



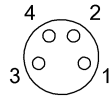
IO-Link

PIN 1: +24V

PIN 2: not used

PIN 3: GND, reference potential

PIN 4: IO-Link



Input Ports

PIN 1: +24V

PIN 2: Input

PIN 3: 0V

PIN 4: Input