

Basic features

| | |
|----------------------------|---|
| Approval/Conformity | CE CSA EAC 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 |
| 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 |

Material

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

Mechanical data

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

I/O modules

BNI IOL-104-S01-K021
Order Code: BNI0022

BALLUFF

Output/Interface

| | |
|-----------------|-----------------|
| Cycle time min. | 2.5 ms |
| Digital inputs | 16x PNP, Type 2 |
| IO-Link version | 1 |

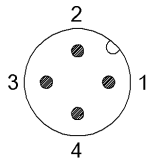
Interface

| | |
|---------------------------|-------------------|
| Process data IN | IO-Link 1.0 |
| Process data cycle min. | 4 bytes |
| Single-channel monitoring | 10 ms |
| Transfer rate | yes |
| | COM2 (38.4 kBaud) |

Remarks

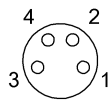
See short guide

Connector Drawings



IO-Link

PIN 1: +24V
PIN 2: n.c.
PIN 3: GND, reference potential
PIN 4: IO-Link



Input Ports

PIN 1: +24V
PIN 2: Input
PIN 3: 0V
PIN 4: Input