

Basic features

Approval/Conformity	CE UKCA cULus WEEE
Scope of delivery	Module Port cover M8 (4x) Grounding strap Lock washer Short guide M4x6 screw
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, 3-pin
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	no
Current consumption without load, max.	90 mA
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

I/O modules

BNI IOL-102-002-Z019

Order Code: BNI0099

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Environmental conditions

Ambient temperature	-5...70 °C
Ambient temperature UL max.	45 °C
EN 60068-2-6, Vibration	5...61 Hz, constant amplitude 1 mm 61...500 Hz, constant acceleration 15 g
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

IO-Link

IO-Link Profil IDs	N/A
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Interface

Cycle time min.	3.2 ms
Digital inputs	8x PNP, Type 3
Extension port	yes
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	1 byte
Process data cycle min.	3.2 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Gasket, material	FKM 75
Housing material	Zinc, Die casting
Housing shield	yes
Surface protection	Cu 15 µm Ni 15 µm

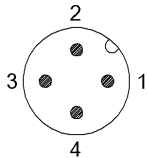
Mechanical data

Dimension	30 x 32.8 x 132 mm
Mounting ground strap	M4 internal thread
Mounting part	2-hole screw mount

Remarks

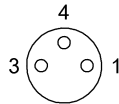
See short guide

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, 0.2A
PIN 3: 0V
PIN 4: Input