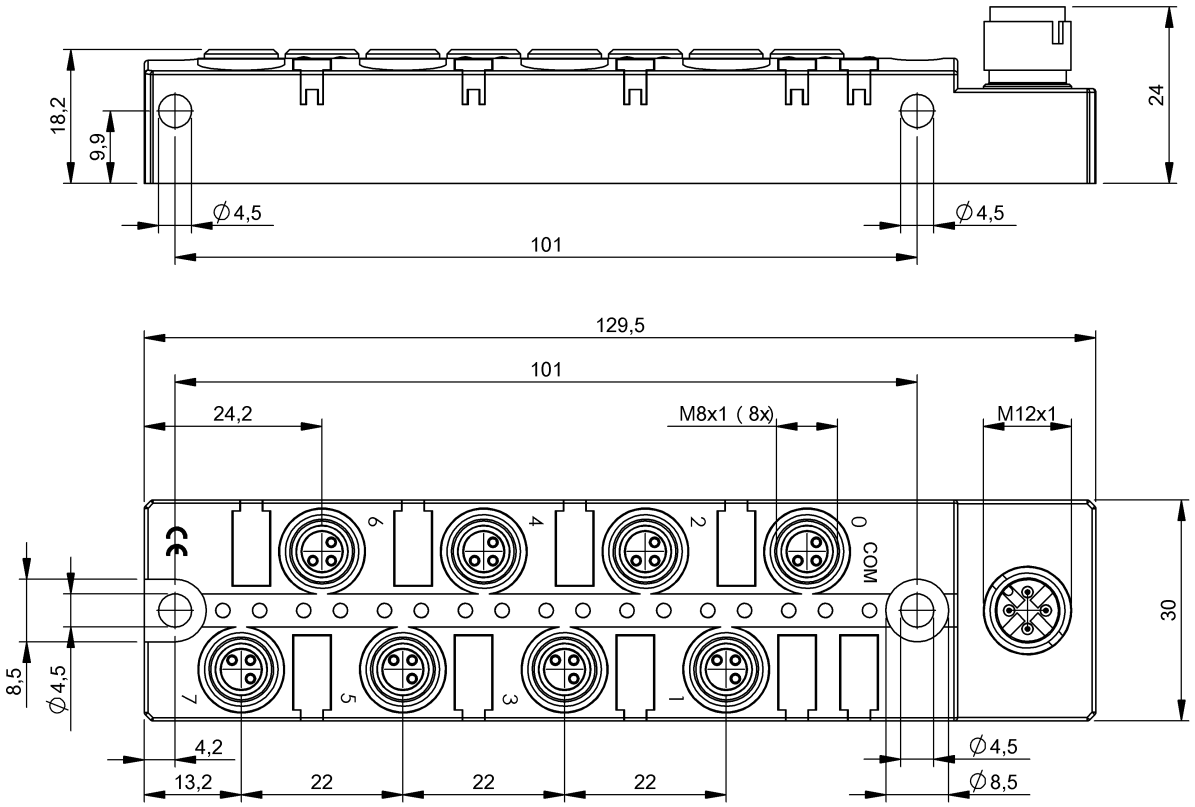
I/O modules

BNI IOL-102-000-K019
Order Code: BNI000R



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	LED green
Module supply indicator	LED green
Sensor supply US indicator	LED green
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 sum US, sensor	4 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

IO-Link

IO-Link Profil IDs	N/A

I/O modules

BNI IOL-102-000-K019
Order Code: BNI000R

Interface

Cycle time min.	2.5 ms
Digital inputs	8x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	1 byte
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

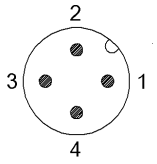
Mechanical data

Dimension	30 x 24 x 129.5 mm
Mounting part	2-hole screw mount
Weight	165 g

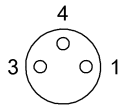
Remarks

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