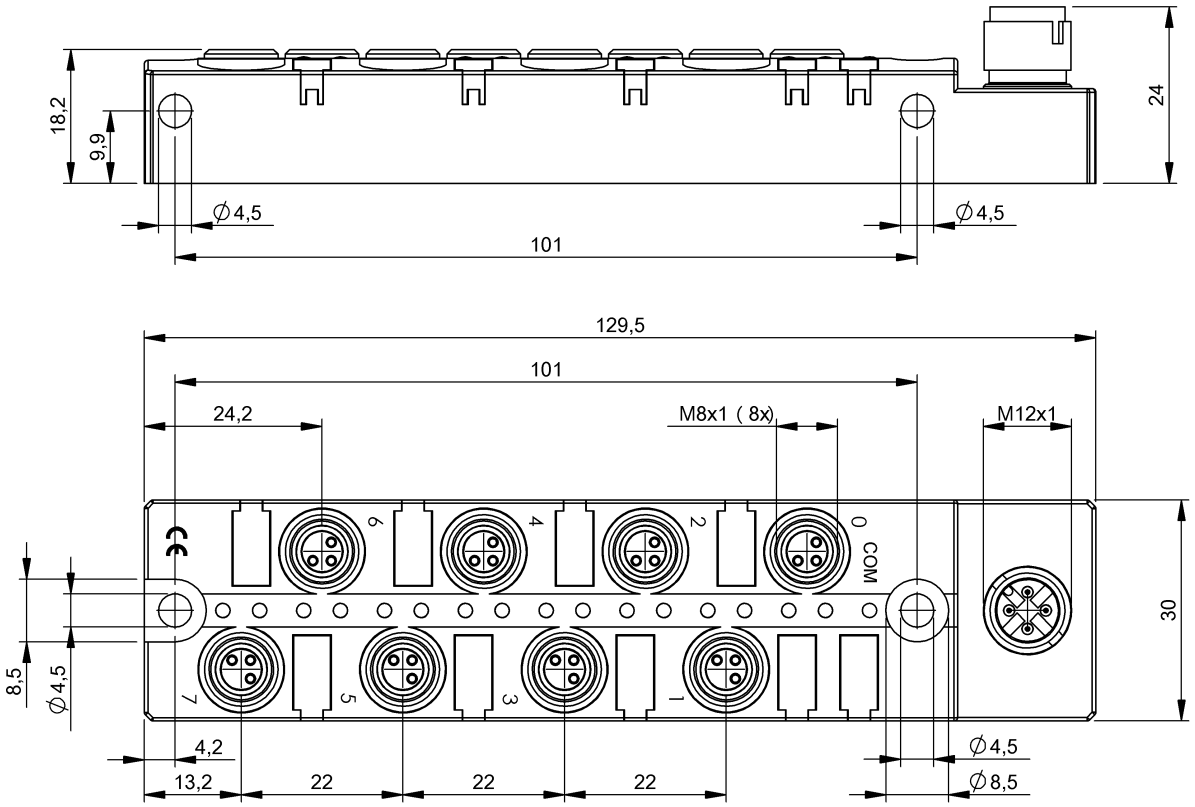
I/O modules

BNI IOL-102-S01-K019
Order Code: BNI001Y



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

Functional safety

MTTF (40 °C)	115 a

IO-Link

IO-Link Profil IDs	N/A

BNI IOL-102-S01-K019
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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	2 bytes
Process data cycle min.	2.5 ms
Single-channel monitoring	yes
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	164 g

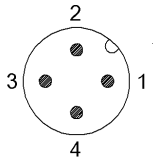
Remarks

See short guide

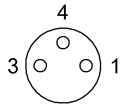
For more information about MTTF and B10d see MTTF / B10d Certificate

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
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