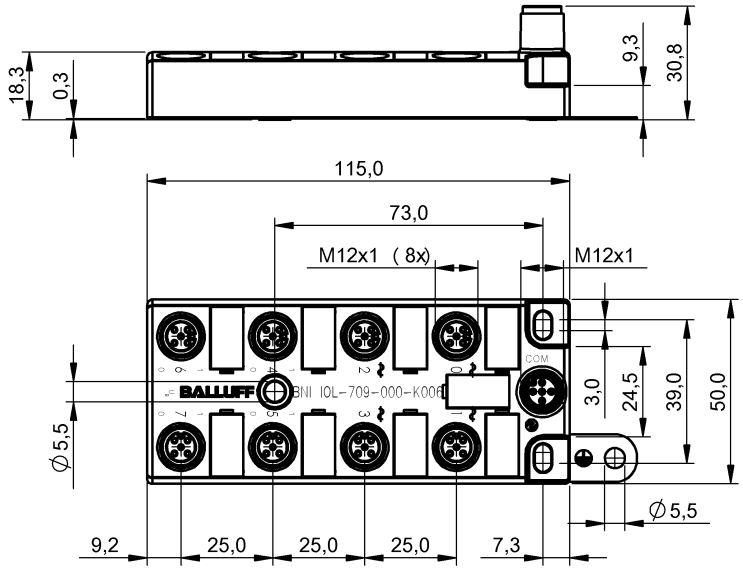
I/O modules

BNI IOL-709-000-K006
Order Code: BNI0007



Basic features

Approval/Conformity	CE UKCA WEEE cULus
Scope of delivery	Part label (12x) Port cover M12 (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 M12x1-Female, 5-pin, A-coded
Contact, surface protection	nickel plated 2 µm/gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	no
Current consumption without load, max.	40 mA
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
EN 60068-2-27, Shock	100 g, 6 ms
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

Functional safety

MTTF (40 °C)	99 a

IO-Link

IO-Link Profil IDs	N/A

Interface

Analog inputs	4x Analog, current (4…20 mA)
Cycle time min.	3.0 ms
Digital inputs	8x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	10 bytes
Process data cycle min.	30 ms
Transfer rate	COM2 (38.4 kBaud)

Material

Gasket, material	FKM 75
Housing material	PA, Transparent
Housing shield	no

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Mechanical data

Dimension	50 x 30.8 x 115 mm
Mounting part	3-hole screw mount
Weight	198 g

Range/Distance

Resolution	≤ 10 bits

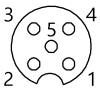
Remarks

See short guide

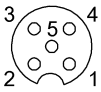
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

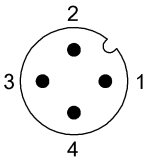
Connector Drawings



Input Ports
PIN 1: +24V
PIN 2: Input 2
PIN 3: GND
PIN 4: Input 1
PIN 5: not used



Analog input port
PIN 1: +24V, 100mA
PIN 2: Analog input/Current
PIN 3: GND
PIN 4: not used
PIN 5: Function ground



IO-Link
PIN 1: +24V
PIN 2: not used
PIN 3: GND, reference potential
PIN 4: C/Q, IO-Link DC-Channel