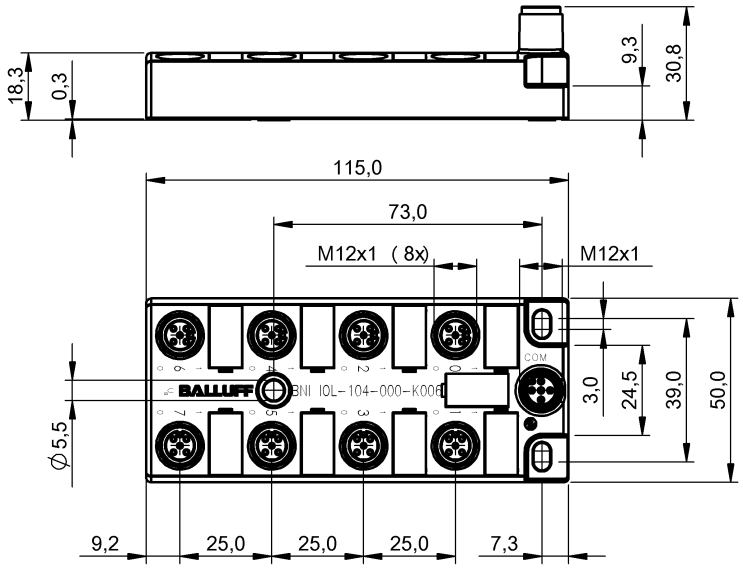
I/O modules

BNI IOL-104-000-K006
Order Code: BNI0006



Basic features

Approval/Conformity	CE EAC WEEE cULus
Scope of delivery	Part label (12x) Port cover M12 (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 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
IP rating	IP67, when threaded in
Storage temperature	-25...70 °C

Functional safety

MTTF (40 °C)	108 a

Material

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

Mechanical data

Dimension	50 x 30.8 x 115 mm
Mounting	3-hole screw mount

BNI IOL-104-000-K006
Order Code: BNI0006

Output/Interface

Cycle time min.	3.0 ms
Digital inputs	16x PNP, Type 2
IO-Link version	1
Interface	IO-Link 1.0
Process data IN	2 bytes
Process data cycle min.	3.0 ms
Transfer rate	COM2 (38.4 kBaud)

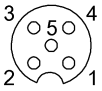
Remarks

See short guide

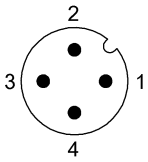
For more information about MTTF and B10d see MTTF / B10d Certificate

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, 100mA
PIN 2: Input 2
PIN 3: GND
PIN 4: Input 1
PIN 5: n.c.



IO-Link
PIN 1: +24V, 1.6A
PIN 2: n.c.
PIN 3: GND, reference potential
PIN 4: C/Q, IO-Link DC-Channel