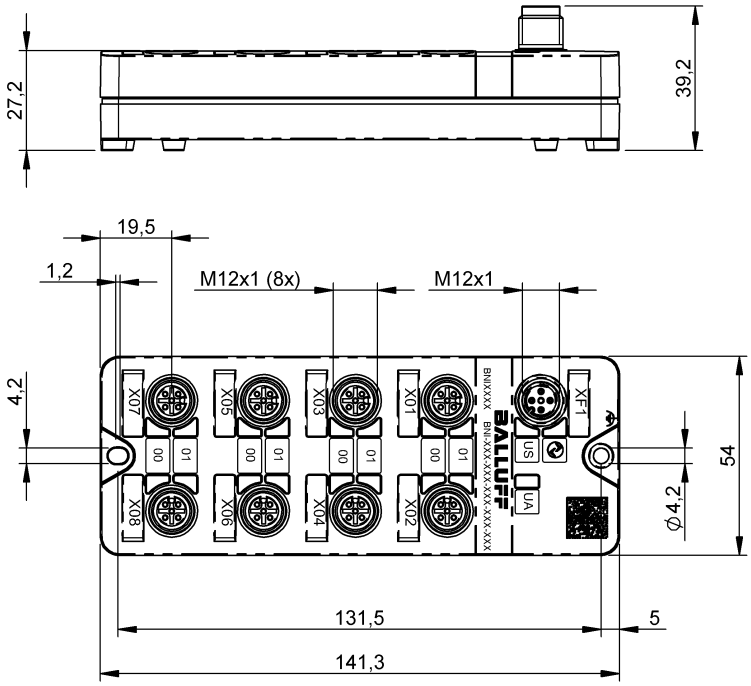
I/O modules

BNI LH1-313-S11-K091
Order Code: BNI00J9



Basic features

Approval/Conformity	CE WEEE UKCA cULus
Scope of delivery	Short guide Grounding strap
Style	Two-row

Display/Operation

Actuator supply UA, indicator	yes
IO-Link communication indicator	yes
Module supply indicator	yes
Sensor supply US indicator	yes
Switching function display	yes

Electrical connection

Connection (COM 1)	M12x1-Male, 4-pin, A-coded
Connection slots	8x M12x1-Female, 5-pin, A-coded
Contact, surface protection	Imoloy plated 2-4 µm / Gold plated 0.4 µm

Electrical data

Configurable inputs/outputs	yes
Current consumption without load, max.	50 mA
Current sum UA, actuator	2 A
Current sum US, sensor	2 A
Operating voltage Ub	18...30.2 VDC
Rated operating voltage Ue DC	24 V
Switching current	8x 200 mA

Environmental conditions

Ambient temperature	-20...60 °C
Contamination scale	3
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

I/O modules

BNI LH1-313-S11-K091
Order Code: BNI00J9

Interface

Cycle time min.	2 ms
Digital inputs	16x NPN, Type 3
Digital outputs	8x NPN
Extension port	no
Frame type	2.V
IO-Link version	1.1
Interface	IO-Link 1.1
Process data IN	6 bytes
Process data OUT	2 bytes
Process data cycle min.	2 ms
Single-channel monitoring	yes
Transfer rate	COM3 (230.4 kBaud)

Material

Gasket, material	FKM NBR
Housing material	PC, Transparent

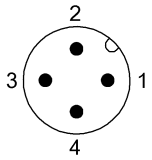
Mechanical data

Dimension	54 x 39.2 x 141.3 mm
Mounting ground strap	M4 internal thread
Mounting part	2-hole screw mount
Weight	120 g

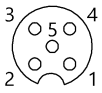
Remarks

See short guide and/or Manual

Connector Drawings



IO-Link
PIN 1: +24V
PIN 2: +24V
PIN 3: GND
PIN 4: C/Q, IO-Link DC-Channel



I/O ports
PIN 1: +24V, 200mA
PIN 2: Input/Output 2
PIN 3: GND
PIN 4: Input/Output 1
PIN 5: Function ground