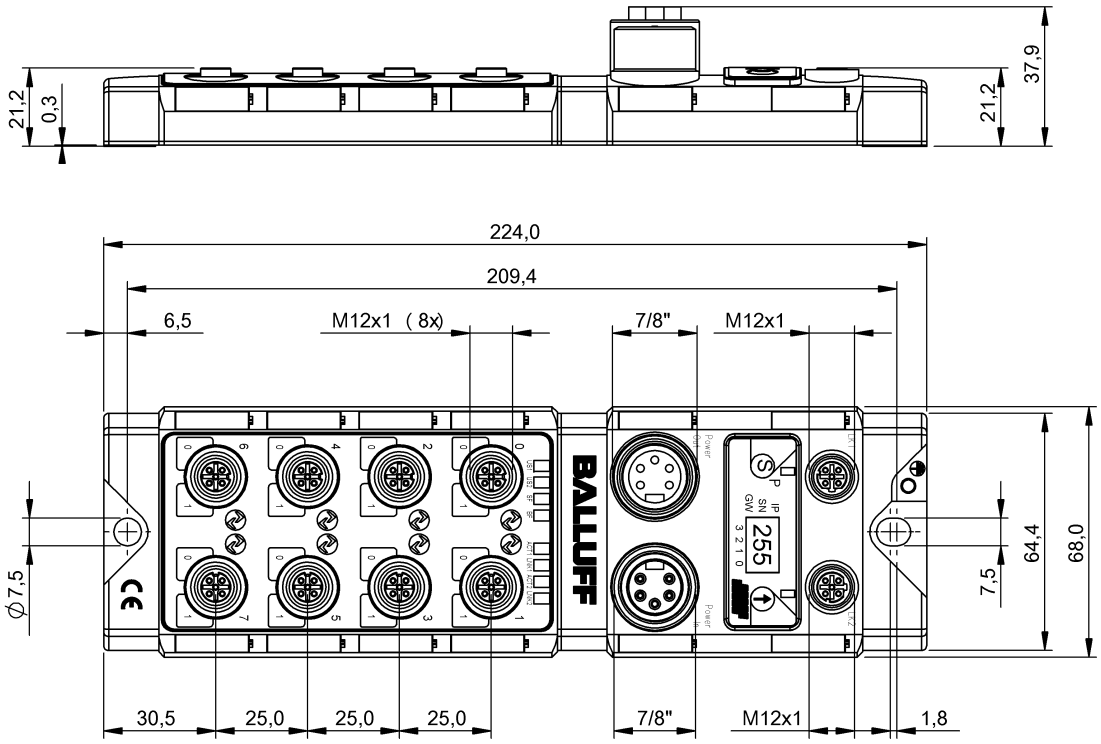
Network Blocks

BNI PNT-508-105-Z015
Order Code: BNI005H



Basic features

Approval/Conformity	CE cULus IO-Link EAC WEEE
Display	yes
Scope of delivery	Part label (20x) Port cover M12 (4x) Grounding strap Lock washer Short guide M4x6 screw
Style	Two-row
Supported web browsers	Google Chrome Mozilla Firefox

Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

Electrical connection

Connection (COM 1)	M12x1-Female, 4-pin, D-coded
Connection (COM 2)	M12x1-Female, 4-pin, D-coded
Connection (supply voltage IN)	7/8"-Male, 5-pin
Connection (supply voltage OUT)	7/8"-Female, 5-pin
Connection slots	8x M12x1-Female, 5-pin, A-coded
Contact, surface protection	NiAu

Electrical data

Address range	IPV4
Configurable inputs/outputs	yes
Current sum UA, actuator	9.0 A
Current sum US, sensor	9.0 A
IO-Link function	Master
Operating voltage Ub	18...30.2 VDC
Output current max.	2 A
Rated operating voltage Ue DC	24 V
Transfer rate	10/100 Mbit/s

Network Blocks

BNI PNT-508-105-Z015
Order Code: BNI005H

Environmental conditions

Ambient temperature	-5...70 °C
Ambient temperature UL max.	45 °C
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)	49 a

Interface

Auxiliary interfaces	8x IO-Link
Conformity class	B
Digital inputs	16x PNP, Type 3
Digital outputs	16x PNP
Fast Start-Up (FSU)	yes
IO-Link version	1.1
Interface	Profinet I/O
Netload class	III
Port-class	Type A

Material

Gasket, material	FKM 75
Housing material	Zinc, Die casting
Housing shield	yes
Surface protection	Cu 15 µm Ni 15 µm

Mechanical data

Dimension	68 x 37.9 x 224 mm
Mounting ground strap	M4
Mounting part	2-hole screw mount

Remarks

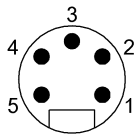
See short guide

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

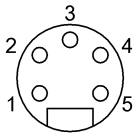
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

BNI PNT-508-105-Z015
Order Code: BNI005H

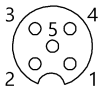
Connector Drawings



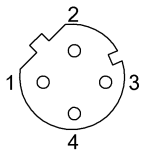
Power IN
PIN 1: 0V
PIN 2: 0V
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: Actuator supply



Power Out
PIN 1: 0V
PIN 2: 0V
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: Actuator supply



IO-Link
PIN 1: +24V
PIN 2: In-/output/Diagnostics
PIN 3: 0V
PIN 4: IO-Link/In-/Output
PIN 5: n.c.



Profinet Port
PIN 1: TD+
PIN 2: RD+
PIN 3: TD-
PIN 4: RD-