

Basic features

Approval/Conformity	CE WEEE cULus EAC
Scope of delivery	Part label (20x) Port cover M12 (4x) Grounding strap Lock washer Short guide M4x6 screw
Style	single-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 slots	4x 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

Environmental conditions

Ambient temperature	-40...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	-40...70 °C

Functional safety

MTTF (40 °C)	48 a
--------------	------

Network Blocks
BNI PNT-507-005-Z040
Order Code: BNI0092



Interface

Auxiliary interfaces	4x IO-Link
Conformity class	B
Digital inputs	8x PNP, Type 3
Digital outputs	8x 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	37 x 32.6 x 224 mm
Mounting ground strap	M4
Mounting part	2-hole screw mount

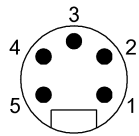
Remarks

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.

Connector Drawings



Power IN

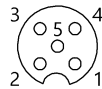
PIN 1: 0V

PIN 2: 0V

PIN 3: Function ground

PIN 4: Sensor and bus supply.

PIN 5: Actuator supply



IO-Link

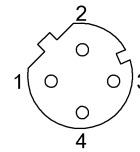
PIN 1: +24V

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-