

■ Input module



General attributes

Approvals / Conformity
Enclosure Type per IEC 60529
Indicator IO-Link comm.
Indicator sensors supply US
Indicator switching function
Mounting instruction
Scope of delivery

CE
IP67 (when connected)
Yes, LED green
Yes, LED green
Yes, LED yellow
See short guide
20x labels
Short guide
Screw M4x6
4x plugs M12
Circlip
Ground strap
IO-Link 1.0

Transmission protocol

Electrical attributes

Configurable in-/outputs
Current sum US (Sensor)
Cycle time min.
Eff. operating voltage Ue DC
Indicator modul supply
Inputs

No
1.1 A
3 ms
24 V
Yes, LED green
PNP, Type 2

Number of inputs

Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Process data cycle
Transfer rate

16
30.2 V
18 V
12 ms at cycle time min.
COM2 (38.4 kBaud)

Mechanical attributes

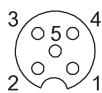
Ambient temperature Ta max.
Ambient temperature Ta min.
Frametype
Height
Housing material
Housing shield
Length
Mounting ground strap
Mounting type
Number of plug-in positions
Storage temperature max.
Storage temperature min.
Style
Surface protection
Width

70 °C
-5 °C
1
31.8 mm
GD-ZnAl4Cu1 (die-cast zinc)
Yes
175.0 mm
M4
2-hole screw mounting
8
70 °C
-25 °C
Two-row
Cu 15 μ / Ni 15 μ
68.0 mm

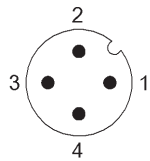
Network interface

BNI IOL-104-S01-Z012
BNI0039

BALLUFF
sensors worldwide



Input Ports
PIN 1: +24 V, 100 mA
PIN 2: Input 2
PIN 3: GND
PIN 4: Input 1
PIN 5: Function ground



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