

- ProfiNet
- Intelligent functions



General attributes

Approvals / Conformity
Device description file

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

Transmission protocol

Electrical attributes

Address range
Bus system
Configurable in-/outputs
Current sum US (Sensor)
Eff. operating voltage Ue DC
Inputs

CE
GSDML-V2.2-Balluff-BNI-PNT-502-102-JJJMMDD.xml
IP67 (when connected)
Yes, LED green
Yes, LED green
Yes, LED green
Yes, LED yellow
See short guide
20x labels
Short guide
Screw M4x6
4x plugs M12
Circlip
Ground strap
ProfiNet

IPV4
ProfiNet
Yes
9.0 A
24 V
PNP, Type 2

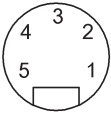
Number of auxiliary interfaces
Number of inputs
Number of outputs 2A
Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Switching output
Transfer rate max.
Transfer rate min.

Mechanical attributes

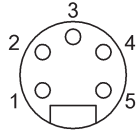
Ambient temperature Ta max.
Ambient temperature Ta min.
Height
Housing material
Housing shield
Length
Mounting ground strap
Mounting type
Number of plug-in positions
Storage temperature max.
Storage temperature min.
Style
Surface protection
Width

4x IO-Link
16
16
30.2 V
18 V
PNP
100 Mbit/s
10 Mbit/s

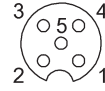
70 °C
-5 °C
37.4 mm
GD-ZnAl4Cu1 (die-cast zinc)
Yes
215.0 mm
M4
2-hole screw mounting
8
70 °C
-25 °C
Two-row
Cu 15 µ / Ni 15 µ
68.0 mm



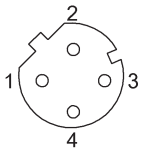
PIN 1: 0V
PIN 2: 0V
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: Actuator supply
Power In



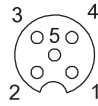
PIN 1: 0V
PIN 2: 0V
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: Actuator supply
Power Out



IO -Link
PIN 1: +24V, 1.6A
PIN 2: In-/output/Diagnostics
PIN 3: 0V
PIN 4: IO-Link/In-/output
PIN 5: n.c.



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



I/O Ports
PIN 1: +24V, 1.6A
PIN 2: In-/output/Diagnostics
PIN 3: 0V
PIN 4: In-/output
PIN 5: Function ground