

- PROFIBUS
- Intelligent functions



General attributes

Approvals / Conformity
Device description file
Enclosure Type per IEC 60529
Indicator actuators supply UA
Indicator sensors supply US
Indicator switching function
Mounting instruction
Scope of delivery

CE
BAL_0C66
IP54 (back side IP20)
Yes, LED green
Yes, LED green
Yes, LED yellow
See short guide
20x labels
Short guide
1x sealing
2x plugs M12
PROFIBUS DP per EN 50170

Transmission protocol

Electrical attributes

Address range
Bus system
Configurable in-/outputs
Current sum US (Sensor)
Eff. operating voltage Ue DC
Inputs
Number of auxiliary interfaces
Number of inputs
Number of outputs 2A

0-99
PROFIBUS
Yes
9.0 A
24 V
PNP, Type 2
4x IO-Link, 4x AUX-Power
4
4

Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Switching output
Transfer rate max.
Transfer rate min.

30.2 V
18 V
PNP
12 Mbit/s
9.6 kBit/s

Mechanical attributes

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

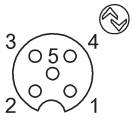
55 °C
-5 °C
10.0 mm
Novodur P2H-AT (ABS), gray
150.8 mm
4-hole screw mounting
4 ST
70 °C
-25 °C
Two-row
75.8 mm

Additional text

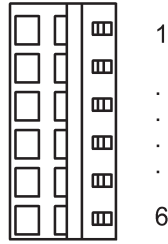
Enclosure rating IP54 for front side:

Only when installed, plugged-in and threaded-in

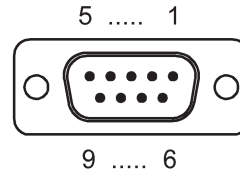
BNI PBS-504-001-K008
BNI0030



IO-Link / Aux-Power
PIN 1: +24 V, 1.4 A
PIN 2: +24V, 3A , Aux-Power
PIN 3: 0V
PIN 4: IO-Link/In-/output
PIN 5: Function gnd/Aux-Power



Terminal 1: 0V, Aux-Power
Terminal 2: 24V, Aux-Power
Terminal 3: 0V
Terminal 4: 0V
Terminal 5: 24V
Terminal 6: 24V



Bus In
PIN 1: Shield
PIN 3: B-Line
PIN 5: DGND
PIN 6: 5 V DC Bus termination
PIN 8: A-Line