

- PROFIBUS
- Input module



General attributes

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

CE
BAL_0B1D.GSD
IP67 (when connected)
Yes, LED green
Yes, LED yellow
See short guide
Ground strap
Short guide
Screw M4x6
4x plugs M12
20x labels
Circlip
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 inputs
Operating voltage UB max. DC [V]

0-99
PROFIBUS
No
9.0 A
24 V
PNP, Type 2
16
30.2 V

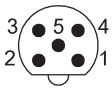
Operating voltage UB min. DC [V]
Transfer rate max.
Transfer rate min.

18 V
12 Mbit/s
9.6 kBit/s

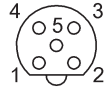
Mechanical attributes

Ambient temperature Ta max.
Ambient temperature Ta min.
Connection Bus In
Connection Power In
Connection Power out
Connection sensors/actuators
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

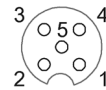
70 °C
-5 °C
5-pin male M12x1
5-pin male 7/8"
5-pin female 7/8"
M12x1
37.9 mm
GD-ZnAl4Cu1 (die-cast zinc)
Yes
224.0 mm
M4
2-hole screw mounting
8
75 °C
-25 °C
Two-row
Cu 15 µ / Ni 15 µ
68.0 mm



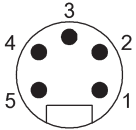
Bus In
PIN 1: Supply voltage +
PIN 2: A-Line
PIN 3: DGND
PIN 4: B-Line
PIN 5: Shield



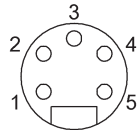
Bus Out
PIN 1: Supply voltage +
PIN 2: A-Line
PIN 3: DGND
PIN 4: B-Line
PIN 5: Shield



Input Ports
PIN 1: +24V, 0.2A
PIN 2: Input/Diagnostics
PIN 3: 0V
PIN 4: Input
PIN 5: Function ground



PIN 1: GND
PIN 2: GND
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: not used
Power In



PIN 1: GND
PIN 2: GND
PIN 3: Function ground
PIN 4: Sensor and bus supply.
PIN 5: not used
Power Out