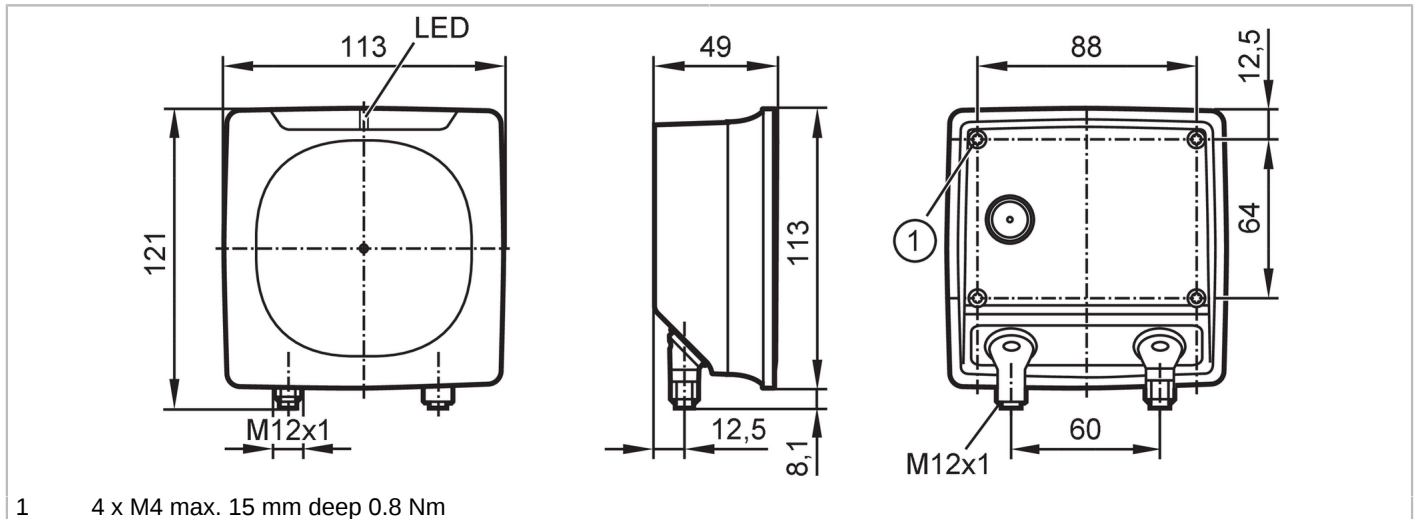


# EIO404



## Bluetooth mesh IoT base station

BLUETOOTH MESH IOT BASE STATION



| Application                   |  |
|-------------------------------|--|
| Special feature               | gold-plated contacts   |
| Application                   | Base station for Bluetooth adapters. The data collected by the connected adapters can be retrieved via Ethernet using IoT Core; can be used with moneo Cloud in combination with moneo edgeGateway AE2100 or moneo on-premises (from version 1.15) |
| Radio approval for            | EU/RED; Great Britain; USA; Canada; Japan; Namibia; Singapore; Australia; India; Vietnam; New Zealand; Indonesia; Malaysia; Thailand; Ukraine; Taiwan; Mexico; Argentina; Chile; South Korea; South Africa; China; Brazil                          |
| Note on radio approval        | The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads".   |
| Electrical data               |  |
| Operating voltage [V]         | 18...30 DC; (limitation due to ES1 and PS2)  |
| Nominal voltage DC [V]        | 24   |
| Current consumption [mA]      | < 100  |
| Protection class              | III  |
| Reverse polarity protection   | yes  |
| Interfaces                    |  |
| Communication interface       | Ethernet; Bluetooth  |
| Bluetooth                     |  |
| Transmission standard         | BLE 5.0  |
| Frequency band                | 2,4 GHz  |
| Transmission power [mW]       | 10; (10 dBm)   |
| Range                         | typ. 20 m  |
| Ethernet - Internet of Things |  |
| Transmission standard         | 10Base-T; 100Base-TX   |
| Transmission rate             | 10; 100  |
| Protocol                      | MQTT JSON; IoT-Core  |
| Factory settings              | IP address: DHCP<br>MAC address: see type label  |

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| Operating conditions                                 |                   |   |
|--|-------------------|---|
| Ambient temperature                                  | [°C]              | -25...60  |
| Storage temperature                                  | [°C]              | -25...80  |
| Protection   |                   | IP 67   |
| Tests / approvals                                    |                   |   |
| EMC  | DIN EN 61000-6-2  |   |
|  | DIN EN 61000-6-3  |   |
| Shock resistance                                     | DIN EN 60068-2-27 | 40 g, 6 ms / bump   |
|  |                   | 50 g, 11 ms / single shock  |
| Vibration resistance                                 | DIN EN 60068-2-6  | 2 g (10...150 Hz)   |
| MTTF   | [years]           | 184   |
| UL approval  | File number UL    | E537924   |
| Mechanical data                                      |                   |   |
| Weight   | [g]               | 469.4   |
| Material   |                   | PBT; PC; stainless steel (1.4401 / 316); stainless steel (1.4567 / 304Cu); brass; PU; PTFE; FKM |
| Displays / operating elements                        |                   |   |
| Display  | Power             | LED, green  |
|  | warning / fault   | LED, red  |
|  | Bluetooth         | LED, blue   |
| Remarks  |                   |   |
| Pack quantity  |                   | 1 pcs.  |
| Electrical connection - Spannungsversorgung          |                   |   |
| 5  | not used          |   |
| Electrical connection - voltage supply               |                   |   |
| Connector: 1 x M12; coding: A; Contacts: gold-plated |                   |   |
|  |                   |   |
| 1  | L+                |   |
| 2  | not used          |   |
| 3  | L-                |   |
| 4  | not used          |   |
| Electrical connection - Ethernet                     |                   |   |
| Connector: 1 x M12; coding: D; Contacts: gold-plated |                   |   |
|  |                   |   |
| 1  | TX +              |   |
| 2  | RX +              |   |
| 3  | TX -              |   |
| 4  | RX -              |   |
| 5  | not used          |   |