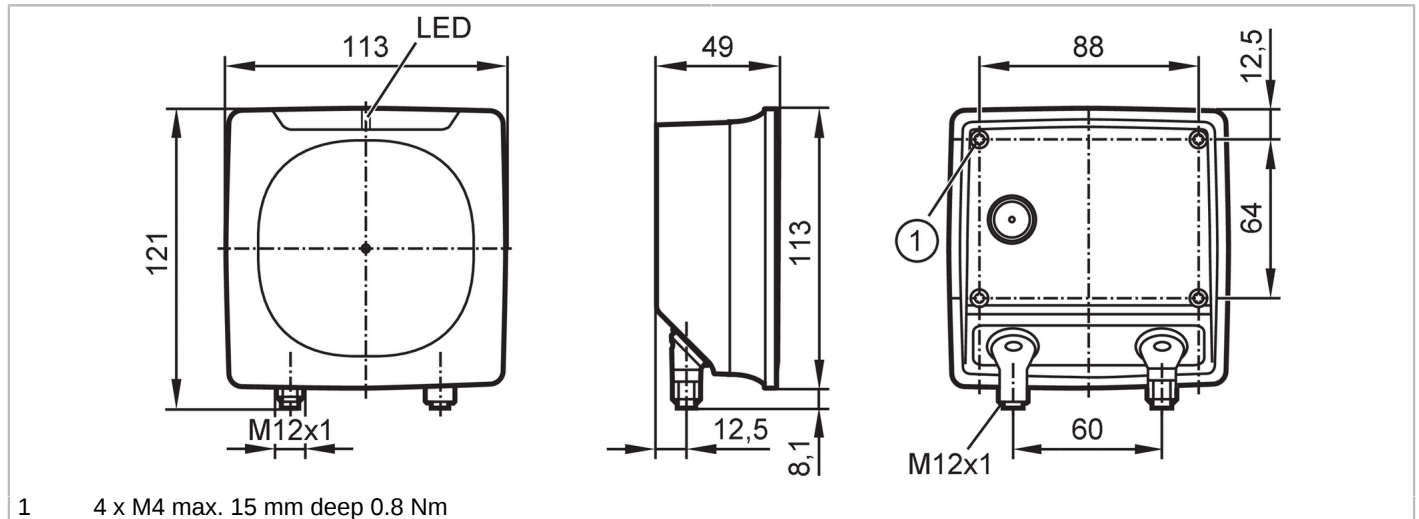




Bluetooth mesh IoT base station

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

Software / programming

Number of device connections	50
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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



Bluetooth mesh IoT base station

BLUETOOTH MESH IOT BASE STATION

Factory settings	IP address: DHCP
	MAC address: see type label

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

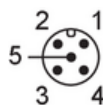
Pack quantity	1 pcs.
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Electrical connection - Spannungsversorgung

5	not used
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Electrical connection - voltage supply

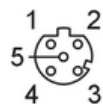
Connector: 1 x M12; coding: A; Contacts: 5, gold-plated



1	L+
2	not used
3	L-
4	not used

Electrical connection - Ethernet

Connector: 1 x M12; coding: D; Contacts: 4, gold-plated



1	TX +
2	RX +
3	TX -
4	RX - not used