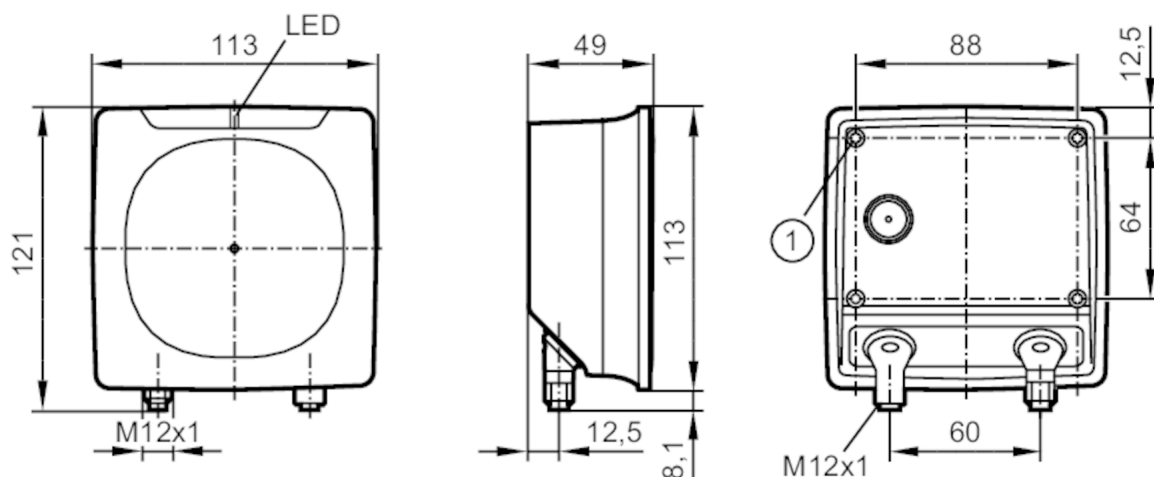




Bluetooth mesh IoT base station

BLUETOOTH MESH IOT BASE STATION



1 4 x M4 max. 15 mm deep 0.8 Nm



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

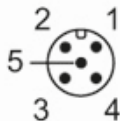
Interfaces

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
	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
Materials	PBT; PC; stainless steel (316 / 1.4401); stainless steel (304CU/1.4567); brass; PU; PTFE; FKM	
Displays / operating elements		
Display	operation	LED, green
	warning / fault	LED, red
	Bluetooth	LED, blue
Remarks		
Pack quantity	1 pcs.	
Electrical connection - Spannungsversorgung		
5	not used	
Electrical connection - power supply		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
		
1	L+	
2	not used	
3	L-	
4	not used	



Bluetooth mesh IoT base station

BLUETOOTH MESH IOT BASE STATION

Electrical connection - Ethernet

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



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