

OUR REF: TAP/12/2022/ IFM ELECTRONIC

ENQUIRIES: KRISTOF ITANA

15th December 2022

Ms. Jacky Gawanas
Commissioner of Customs & Excise
Directorate Customs & Excise
Namibia Revenue Agency
10 John Meinert Street, Windhoek
Namibia

PER EMAIL:

Customs.HoseaKutako@mof.gov.na

Dear Custom Officials,

TYPE APPROVAL EXEMPTION – IFM ELECTRONIC GMBH

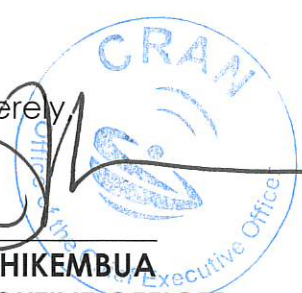
Kindly note that the Authority has reviewed the documentations describing equipment to be imported into Namibia by **IFM electronic GmbH** and hereby confirms that the following models: **EIO344 IO-Link Bluetooth adapter Bluetooth Transmitter and EIO404 Bluetooth Mesh Basisstation Bluetooth Mesh Basestation** do not require type approval.

This letter therefore serves only as an exemption for the equipment mentioned above and may not be used for other consignments without the consent of the Authority.

In light of trade facilitation, the Authority thus requests Customs to please allow the equipment to be imported as they do not require Type Approval.

Should Customs & Excise have any queries please contact Kristof Itana a 061-222666 or kitana@cran.na

Yours Sincerely,



EMILIA NGHIKEMBUA
CHIEF EXECUTIVE OFFICER

CC: Meisie.Fuchs@mof.gov.na

Board Members:

Mr. Heinrich M. Gaomab II (Chairperson); Ms. Vivienne E. Katjuongua (Vice-Chairperson); Mr. Thomas Mbome (Member);
Dr. Tulimevava Mufeti (Member); Mr. Gerhard Coeln (Member); Ms. Dorethy Smit (Member)

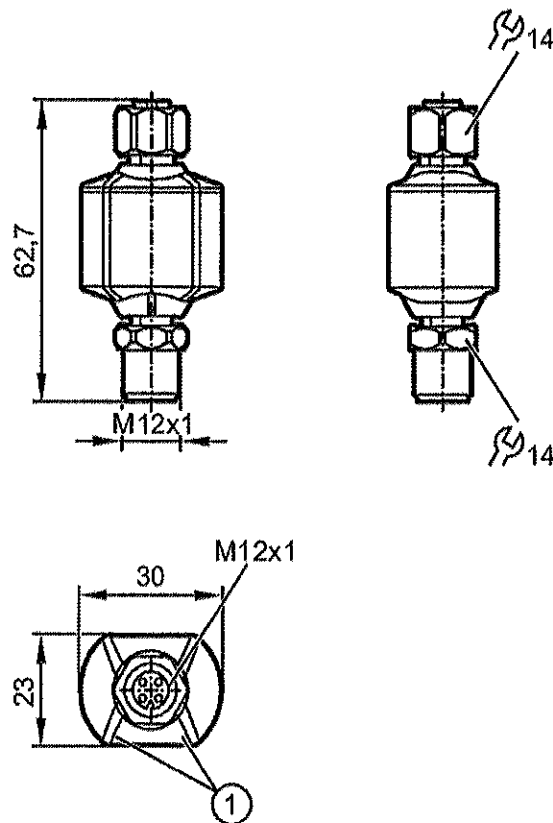
Chief Executive Officer: Mrs. Emilia Nghikembua

Governance Executive: Mr. Tanswell Davies



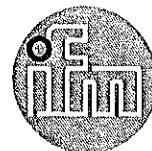
EIO344

IO-Link Bluetooth adapter
BLUETOOTH_TRANSMITTER



1 LEDs

Product characteristics	
Number of inputs and outputs	Number of digital outputs: 1
Application	
Special feature	Gold-plated contacts
Radio approval for	EU/RED
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
Nominal voltage DC [V]	24
Current consumption [mA]	< 20
Protection class	III
Reverse polarity protection	yes; (supply side)
Max. current load total [A]	0.83
Inputs / outputs	
Number of inputs and outputs	Number of digital outputs: 1

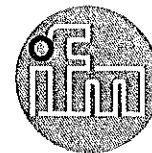


IO-Link Bluetooth adapter

BLUETOOTH_TRANSMITTER

Outputs		
Output signal	switching signal; IO-Link	
Electrical design	PNP	
Number of digital outputs	1	
Output function	normally open / normally closed	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	200	
Type of short-circuit protection	pulsed	
Short-circuit proof	yes	
Overload protection	yes	
Interfaces		
Communication interface	IO-Link; Bluetooth	
Bluetooth		
Transmission standard	BLE 5.0	
Frequency band	2,4 GHz	
Transmission power [mW]	10; (10 dBm)	
Range	typ. 20 m	
IO-Link Device		
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.0; 1.1	
SDCI standard	IEC 61131-9	
Required master port type	A	
Supported DeviceIDs	DeviceID	
	0x000637	
IO-Link Master		
Number of ports	1	
Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Operating conditions		
Ambient temperature [°C]	-25...60	
Storage temperature [°C]	-25...70	
Protection	IP 67; IP 69K	
Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	15 g (6 ms)
Vibration resistance	DIN EN 60068-2-6	2 g (10...150 Hz)
Mechanical data		
Weight [g]	0.001	
Materials	PA; stainless steel (1.4404 / 316L); FKM	

EIO344



IO-Link Bluetooth adapter

BLUETOOTH_TRANSMITTER

Displays / operating elements		
Display	operation	LED, green
	warning / fault	LED, red
	Bluetooth	LED, blue

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

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



1	L+ supply
2	OUT2 linked through
3	L- supply
4	OUT1 switching output or IO-Link

Electrical connection - socket

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

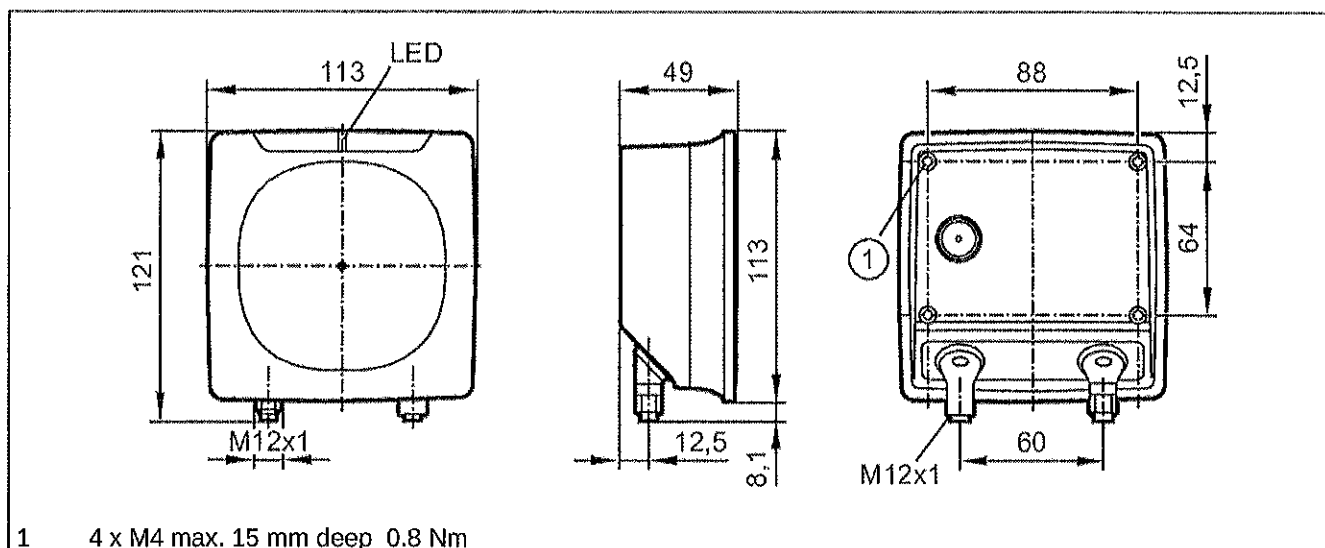


1	L+ supply
2	OUT2 linked through
3	L- supply
4	IO-Link
5	not used



Bluetooth Mesh Basisstation

BLUETOOTH_MESH BASESTATION



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
Radio approval for	EU/RED
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
Nominal voltage DC [V]	24
Current consumption [mA]	< 80
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
Operating conditions	
Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...80
Protection	IP 67

EIO404



Bluetooth Mesh Basisstation

BLUETOOTH_MESH BASESTATION

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)

Mechanical data	
Weight [g]	0.001
Materials	PBT; PC; stainless steel (1.4401 / 316); stainless steel (1.4567 / 304Cu); brass; PU; PTFE; FKM

Displays / operating elements		
Display	operation	LED, green
	warning / fault	LED, red
	Bluetooth	LED, blue

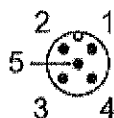
Remarks	
Pack quantity	1 pcs.

Electrical connection - Spannungsversorgung

5	not used
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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

