

Blue PUCK DI

Bluetooth Low Energy Digital Input sensor



BENEFITS

- Digital input industrial BLE transmitter
- Very high autonomy : up to 20 years
- High range transmission
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period
- BAF compatible depending on configuration



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency	2,4 GHz - Bluetooth Low Energy 4.0/4.2
Output power	Up to +4 dBm (configurable)
Range	Up to 500 meters open field (+4dBm)
Transmission period	2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold
Radio frame format	ELA ID (15 bytes identifier) ELA DI (15 bytes identifier + 15 bits event counter + 1 byte current input state) <i>Other frame format available on request. Refer to the frames specifications for more information</i>
Parameters and configuration	Interface/protocol: NFC (Type 2)
Connected mode	Datalogger transmission (record of saved sensor measures) / Battery level
Sensors performance	Can be activated with an external simple switch Idle state: 3V High level detection: 2.1V to 3V Low level detection: 0V to 0.7V Input change detector: Immediate transmission upon change of digital input state

BATTERY

Power supply	3 VDC - Internal lithium battery
Battery life	Up to 20 years in high level state * Up to 12 years in low level state <i>* Refer to the battery life curves for more information</i>
Battery level	Low battery warning in advertising frames (<15%) Battery voltage in scan response frames (configurable)

CERTIFICATIONS

Europe	CE / UK CA : EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1
UK	

USA	UKCA FCC : FCC PART 15
Canada	ISED : RSS-247 / ICES-003
RoHs/REACH	Yes

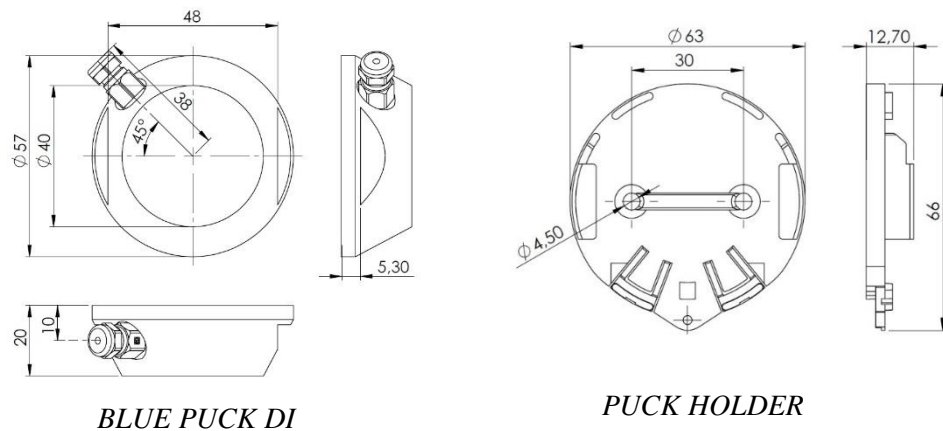
HOUSING

Dimensions	Ø 57 mm base - Thickness 20 mm
Weight	50g
Materials	DELTRIN (POM C) Compatible with food products (90/128/EEC)
Waterproofness	IP 65
Operating temperature	-40°C to +85°C

ACCESSORIES

Tag support	Holder + double-sided adhesive: PUCK HOLDER STICKER (ACIOM118B) Holder only: PUCK HOLDER (ACIOM117B) Double-sided adhesive only: PUCK STICKER (ACIOM188) 3M PT1100 - Ø 55mm – Thickness : 1,1mm
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MECHANICAL DRAWINGS



AVAILABLE REFERENCES

Ref	Description
IDF25246-02A	Blue Puck DI Bluetooth advanced features ready version & IP65