

Blue PUCK MAG



Bluetooth Low Energy magnetic sensor

BENEFITS

- Integrated Hall effect magnetic sensor
- Very high autonomy : up to 14.5 years
- High transmission range
- IP69K (high pressure washing) & IP 68 waterproof level
- 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 MAG (15 bytes identifier + 15 bits event counter + 1 bit sensor 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 data) Battery level command
Sensors performance	Hall effect sensor range: 2cm typ. (on the side of the "arrow" symbol) Magnetic event detector: Immediate transmission upon change of sensor state

BATTERY

Power supply	3 VDC - Internal lithium battery
Battery life	Up to 14.5 years* <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 /EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1
UK	UKCA
USA	FCC : FCC 15.247 / FCC PT 15B
Canada	ISED : RSS-247 / ICES-003
Japan	TELEC
RoHS/REACH	Yes

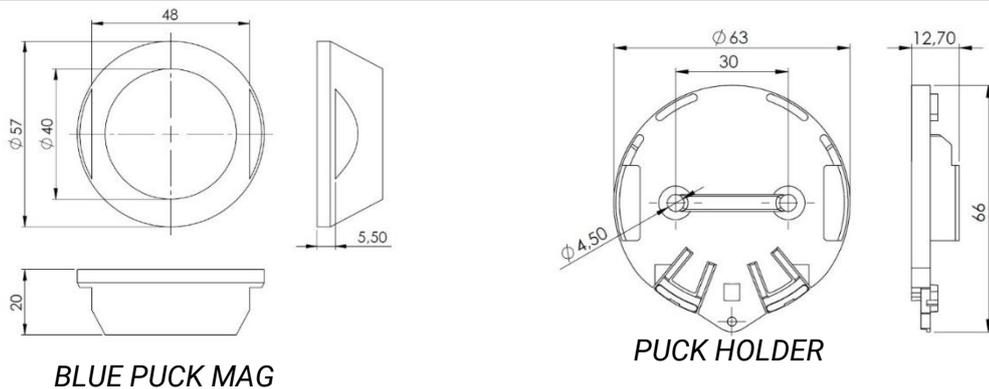
HOUSING

Dimensions	Ø 57 mm base - Thickness 20 mm
Weight	41g
Materials	DELTRIN (POM C) Compatible with food products (90/128/EEC)
Waterproofness	IP69K (for high pressure washing) & IP68
Shockproof	Yes
Operating temperature	-40°C to +85°C

ACCESSORIES

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



AVAILABLE REFERENCES

Ref	Description
IDF26243-01A	Blue PUCK MAG IP69K, Shockproof and Bluetooth advanced features ready version
IDF26243-02A	Blue PUCK MAG IP69K, Shockproof and Geotab ready version