

# **BLUE PUCK DO**



# **Bluetooth Low Energy Digital Output driver**

# **BENEFITS**

- Digital output for external actuator management
- Very high autonomy: up to 20 years
- High transmission range
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period



# **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)

Other frame format available on request. Refer to the frames

specifications for more information

**Parameters and configuration** Interface/protocol: NFC (Type 2)

Connected mode Datalogger transmission (record of saved sensor

measures) / Battery level

Advertising mode Periodic data transmission

Sensors performance MOSFET transistor:

Range: 0 to 12V (polarized)

Maximum output current: 500 mA Rds ON: 0,6 Ohms @ 500 mA

Output commands: Activation, deactivation and activation

for XX seconds

### **BATTERY**



**Power supply** 3 VDC - Internal lithium battery

Battery life Up to 20 years\*

\* Refer to the battery life curves for more information

**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

USA 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 DELRIN (POM C) Compatible with food products

(90/128/EEC)

Waterproofness IP 65

Operating temperature -40°C to +85°C

**ACCESSORIES** 

Holder + double-sided adhesive:

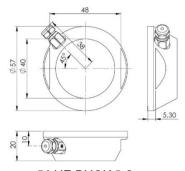
**Tag support** PUCK HOLDER STICKER (ACIOM118B)

**Holder only:** 

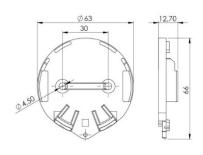
PUCK HOLDER (ACIOM117B) **Double-sided adhesive only:**PUCK STICKER (ACIOM188)

3M PT1100 - Ø 55mm - Thickness: 1,1mm

#### **MECHANICAL DRAWINGS**



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**PUCK HOLDER**