

## BLUE COIN MAG

Bluetooth Low Energy Magnetic sensor



### BENEFITS

- Integrated Hall effect magnetic sensor
- High autonomy : upto 4 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

<b>Frequency</b>	2.4 GHz - Bluetooth Low Energy 4.0/4.2
<b>Output power</b>	Up to +4 dBm (configurable)
<b>Range</b>	Up to 200 meters in open field (+4dBm)
<b>Transmission period</b>	2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold
<b>Radio frame format</b>	<b>ELA ID</b> (15 bytes identifier) <b>ELA MAG</b> (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>
<b>Parameters and configuration</b>	Interface/protocole : NFC (Type 2)
<b>Connected mode</b>	Datalogger transmission (record of saved sensor data) Battery level command
<b>Sensor performance</b>	<b>Hall effect sensor range:</b> 2cm typ.(on the side of the "arrow" symbol) <b>Magnetic event detector:</b> Immediate transmission upon change of sensor state

### BATTERY

<b>Power supply</b>	3 VDC - Internal lithium battery
<b>Battery life</b>	Up to 4 years* <i>*Refer to the battery life curves for more information.</i>
<b>Battery level</b>	Low battery warning in advertising frames (<15%)

Battery voltage in scan response frames (configurable)

## CERTIFICATIONS

<b>Europe</b>	CE / UK CA : EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368
<b>USA</b>	FCC : FCC PART 15
<b>Canada</b>	ISED : RSS-247/ICES-003
<b>RoHS/REACH</b>	Yes

## HOUSING

<b>Dimensions</b>	Ø 36mm base - Thickness 11,5mm
<b>Weight</b>	13g
<b>Materials</b>	DELTRIN (POM C) Compatible with food products (90/128/EEC)
<b>Waterproofness</b>	IP 68
<b>Operating temperature</b>	-30°C to +70°C

## ACCESSORIES

<b>Tag support</b>	<p><b>Holder + double-sided adhesive:</b> COIN HOLDER STICKER (ACIOM92C)</p> <p><b>Holder only:</b> COIN HOLDER (ACIOM91)</p> <p><b>Double-sided adhesive only:</b> COIN STICKER (ACIOM187) 3M PT1100 - Ø 34mm – Thickness: 1,1mm</p>
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## MECHANICAL DRAWINGS

