

Blue COIN MOV

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Bluetooth Low Energy Motion sensor

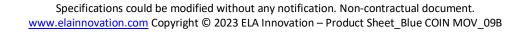
BENEFITS

- Integrated 3 axis accelerometer for Angular position and Motion measurement
- High autonomy : up to 4.2 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period
- BAF compatible depending on configuration

TECHNICAL SPECIFICATIONS

OPERATING MODE

| Frequency Output power Range | 2.4 GHz - Bluetooth Low Energy 4.0/4.2 Up to +4 dBm (configurable) Up to 200 meters in open field (+4dBm) | |
|---|--|---|
| Transmission period Radio frame format | 2 advertising periods can be configured (valu from one to another according to configurable ELA ID (15 bytes identifier) | e between 0,1 and 86400 seconds). Transition e sensor threshold |
| | ELA MOV (15 bytes identifier + 15 bits event counter | er + 1 bit sensor state) |
| | ELA ANG (15 bytes identifier + 2 bytes X-axis acc + Customize frame format (like Geotab compliance) via th | - 2 bytes Y-axis acc + 2 bytes Z-axis acc) |
| Parameters and configuration | Interface/protocole : NFC (Type 2) | |
| Connected mode | Datalogger transmission (record of saved sen | sor data) |
| | LED indicator (ON/OFF) command | |
| | Battery level command | |
| Sensor performance | | |
| | Motion event | Angular position |
| | detection (MOV) Range: - 8g to 8g | measurement (ANG) Range: -2g to 2g |
| | Threshold level: between 32 and 8000 mg Motion | Resolution: 1 mg (LSB) |
| | event detector: Immediate transmission upon change of motion state | Accuracy: ±0,5% Full scale |
| BATTERY | | |
| Power supply Battery life | 3 VDC - Internal lithium battery MOV = up to 4.2 years* ANG = up to 4.2 years* *Refer to the battery life curves for more information. | ars* |
| Battery level | Low battery warning in advertising frames (< Battery voltage in scan response frames (cont | |
| CERTIFICATIONS | | |
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| Europe | CE /EN 300 330, EN 301 489, EN 62311, EN 62368 | |
|-----------------------|---|--|
| * | CE /EX 500 550, EX 501 402, EX 02511, EX 02500 | |
| UK | UKCA | |
| USA | FCC: FCC PART 15 | |
| Canada | ISED : RSS-247/ICES-003 | |
| RoHS/REACH | Yes | |
| HOUSING | | |
| Dimensions | Ø 36mm base - hauteur 11,5mm | |
| Weight | 13g | |
| Materials | DELRIN (POM C) Compatible with food products (90/128/EEC) | |
| Waterproofness | IP 68 | |
| Operating temperature | -30°C to +70°C | |
| ACCESSORIES | | |
| Tag support | Holder + double-sided adhesive: | |
| | COIN HOLDER STICKER (ACIOM92C) | |
| | Holder only: COIN HOLDER (ACIOM91) | |
| | Double-sided adhesive only: | |
| | COIN STICKER (ACIOM187) | |
| | 3M PT1100 - Ø 34mm – Thickness: 1,1mm | |
| MECHANICAL DRAW | INGS | |

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COIN HOLDER

AVAILABLE REFERENCES

| Ref | Description |
|--------------|--|
| IDF10244-02A | Blue Coin MOV Bluetooth advanced features version & IP68 |