

## Blue PUCK RHT Mesh



Industrial MESH 2.4Ghz humidity & temperature sensor

### BENEFITS

- Simple deployment, maintenance, and expansion
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over-the-air (OTA) firmware update via network



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

|                                     |                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Frequency</b>                    | 2.4 GHz – BLE channel / Mesh network                                                                      |
| <b>Output power</b><br><b>Range</b> | Up to +4 dBm (Smart network)<br>Up to 140 meters open field (+4 dBm)                                      |
| <b>Transmission period</b>          | Transmission periods 15" to 18H.                                                                          |
| <b>Radio frame format</b>           | Setting of the 3-byte identifier, WIREPAS Network Address and Channel.                                    |
| <b>Settings and configuration</b>   | Interface/protocol : NFC (Type 2)<br>Network Configuration and Diagnostics: Wirepas Network Tool software |
| <b>Autorole mode</b>                | Periodic transmission of temperature and humidity measurement                                             |

### Sensor performance

|            | Temperature sensor | Humidity sensor |
|------------|--------------------|-----------------|
| Range      | -40°C to +85°C     | 0% to 100%      |
| Resolution | 0.01°C             | 0.01%           |
| Accuracy   | ±0,4 °C max        | ±5 % max        |

### BATTERY

|                     |                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b> | 3 VDC - Internal lithium battery                                                                                                             |
| <b>Battery life</b> | Up to 4 years<br>Battery voltage level sent via network and on MQTT Topic*<br><i>*Refer to the battery life curves for more information.</i> |

## CERTIFICATIONS

|        |                                                            |
|--------|------------------------------------------------------------|
| Europe | CE : EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368 |
| UK     | UKCA                                                       |
| USA    | FCC : FCC PART 15                                          |
| Canada | ISED : RSS-247/ICES-003                                    |
| RoHS   | Yes                                                        |

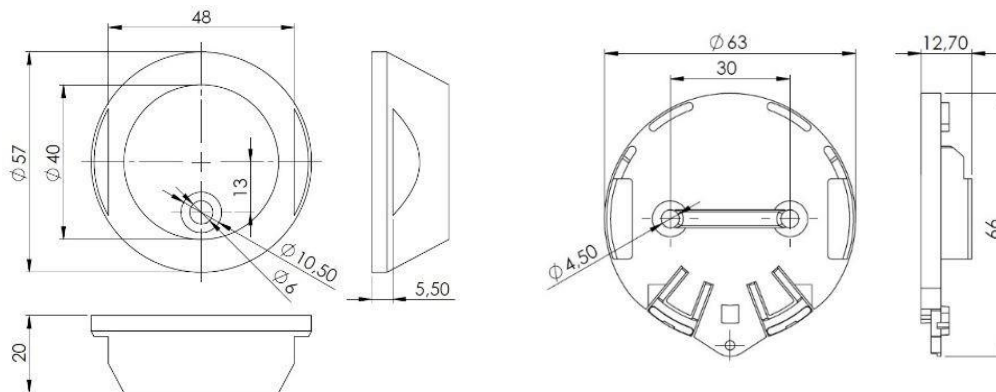
## HOUSING

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Dimensions            | Ø 57mm base – Height: 20mm                                |
| Weight                | 41g                                                       |
| Materials             | DELIRIN (POM C) Compatible with food product (90/128/EEC) |
| Waterproof grade      | IP65 non-condensing (Open version excluded)               |
| Operating temperature | -40°C to +85°C                                            |

## ACCESSORIES

|             |                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Tag support | PUCK HOLDER STICKER (ACIOM 118B)<br>PUCK HOLDER (ACIOM 117B)<br>PUCK STICKER (ACIOM 188)<br>3M PT1100 - Ø 53mm – Thickness: 1,1mm |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|

## MECHANICAL DRAWINGS



Blue PUCK RHT MESH

PUCK HOLDER

## AVAILABLE REFERENCES

| Ref          | Description                                          |
|--------------|------------------------------------------------------|
| IDF25442-01A | Blue Puck RHT MESH STACK WP4 compatible & IP65       |
| IDF25442-02A | Blue Puck RHT MESH STACK WP4 compatible OPEN version |
| IDF25442-03A | Blue Puck RHT MESH STACK WP5 compatible & IP65       |
| IDF25442-04A | Blue Puck RHT MESH STACK WP5 compatible OPEN version |