

# PRODUCT DATASHEET

## Confidex Captura Flash™



Fast-to-attach tamper-proof seal tag with durable enclosure for logistics applications

### ELECTRICAL SPECIFICATION

#### Device Type

RAIN RFID / EPCglobal Gen2v2

#### Operational frequency

Global 865 - 928 MHz

#### IC type

NXP UCODE 8m

#### Memory configuration

Memory: EPC 96 bit; User 32 bit; TID 96 bit

#### EPC memory content

Unique number encoded as a default

#### Read range (2W ERP)\*

Hanging from metal up to 12m / 40ft

- Asset diameter and surroundings will influence read range

Hanging from plastic up to 2m / 6ft

Hanging from cable up to 3m / 10ft

#### Applicable surface materials\*

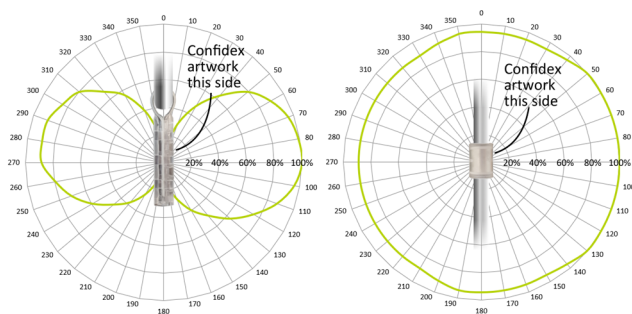
All surfaces, optimized for metal

\* Read ranges are theoretical values that are calculated for non-reflective environment, in where antennas with optimum directivity are used with maximum allowed operating power according to ETSI EN 302 208 (2W ERP). Different bar diameters and environment around may have an effect on performance.

### RADIATION PATTERNS

#### Hanging on metal

Radiation pattern may be influenced by the asset and environment



### MECHANICAL SPECIFICATION

#### Tag materials

High quality engineering plastics.

#### Weight

6 g

#### Delivery format

Single

#### Amount in box

150 pcs

#### Dimensions

Open:

125,7mm x 20mm x 15mm

4.95" x 0.78" x 0.59"

Closed:

61mm x 20mm x 10mm

2.4" x 0.78" x 0.4"

Can be attached on asset with maximum 12mm diameter



### ENVIRONMENTAL RESISTANCE

#### Operating temperature

-35°C to +85°C / -31°F to +185°F

#### Short term peak temperature

+ 130°C / 266°F for 10min

#### Ambient temperature

-35°C to +85°C / -31°F to +185°F

#### IP classification

IP68

#### Washing resistance

Designed to tolerate standard industrial washing processes. Real environment testing recommended.

#### Chemical resistance

No physical or performance changes in:

- 168h Motor oil exposure
- Minutes Sulfuric acid (10%, pH 2) exposure
- Minutes NaOH (10%, pH 13) exposure

Acetone should be avoided

#### Expected lifetime

Years in normal operating conditions

*Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Confidex for more specific information.*

## PERSONALIZATION OPTIONS

### Pre-encoding

- Customer specific encoding of EPC or user memory. Locking permanently or with password

### Customized printing with additional data label

- Customer specific layout including logo, text, numbers, barcodes etc.
- Available for lower volumes. Label attached on the outer surface of plastics.

### Customized printing protected inside plastics

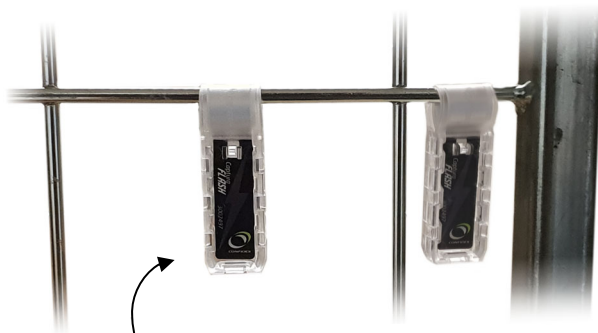
- Customer specific layout including logo, text, numbers, barcodes etc.
- Available for higher volumes. Printing protected against mechanical impacts and chemicals inside durable enclosure.

## INSTALLATION INSTRUCTIONS

Confidex Captura Flash™ is designed to be attached fast and easy without any tools.

Polarization of tag may be affected by the attached asset and surroundings. Optimal reader antenna orientation is to be tested at the final application.

Confidex Captura Flash™ uses the tagged object's metal parts to achieve its performance. Performance should be always tested in real application with firmly closed tag. Tag will not work properly if not closed.



For optimal performance choose the wider slot when possible.

### Fixing procedure:

1. Remove the adhesive liner without touching the adhesive.
2. Close the structure and ensure all the snaps are firmly closed. Tag is now ready to be used.

## ORDER INFORMATION

**Product number:** 3002497

**Product name:** Confidex Captura Flash™ UCODE 8m

For other versions, additional information and technical support contact Confidex Ltd.

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