

# PRODUCT DATASHEET

## Confidex Steelwave Micro II™ NFC



Small-sized NFC asset tag with versatile attachment options.

### ELECTRICAL SPECIFICATION

**Device type**

NFC Forum Type 2

**Air interface protocol**

ISO 14443A

**Operational frequency**

13,56 MHz

**IC type**

NXP NTAG213

**Memory configuration**

User memory 144 Bytes

**Read range\***

Mobile phone up to 30mm

Fixed reader up to 40mm

**Applicable surface materials\***

Works on any material

\* Read ranges are measured in laboratory environment and there can be some variation in real application. Also used surface material might affect the read range.

### MECHANICAL SPECIFICATION

**Tag materials**

Engineering plastics and synthetic face layer

**Background adhesive**

High performance acrylic adhesive

**Weight**

2 g

**Delivery format**

Single

**Amount in box**

1000pcs

**Dimensions**

38 x 13 x 4,5 mm / 1.5 x 0.5 x 0.17 in



### ENVIRONMENTAL RESISTANCE

**Operating temperature**

-20°C to +70°C / -4°F to +158°F

**Ambient temperature**

-20°C to +70°C / -4°F to +158°F

**IP classification**

IP67

**Chemical resistance**

No physical or performance changes in:

- 2 hour Salt water (salinity 10%) exposure

- 2 hour Motor oil exposure

Additionally, short time exposure resistant against sulfuric acid. Acetone and sodium hydroxide 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.

### Customized data label

- Customer specific layout including logo, text, numbers, barcodes etc.

## INSTALLATION INSTRUCTIONS

Steelwave Micro II can be attached with several fixing methods:

- High performance acrylic adhesive (included)
- Hanging with tethering string
- Cable tie through the tag

When mounting the tag with its adhesive background, clean and dry the surface for obtaining the maximum bond strength.

Ideal application temperature is from +21°C to +38°C (+70°F to +100°F), bond strength can be improved with firm application pressure and moderate heating from +38°C to +54°C (+100°F to +130°F).

Installation at temperatures below 10°C (50°F) is not recommended.

## ORDER INFORMATION

**Product number:** 3001301

**Product name:** Confidex Steelwave Micro II™ NFC NTAG213

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

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