

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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