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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