

PRODUCT DATASHEET

Confidex Links NFC™ Label



Modular NFC label for high volume applications.

ELECTRICAL SPECIFICATION

Device type

NFC Forum Type 2
Optional: NFC Forum Type V

Air interface protocol

ISO/IEC 14443A
Optional: ISO/IEC 15693

Operational frequency

13,56 MHz

IC type

NXP NTAG213
Option: NXP NTAG216
Option: NXP NTAG210μ

Memory configuration

NTAG213: User memory 144 Bytes
Option: NTAG216: User memory 888 Bytes
Option: NTAG210μ: User memory 48 Bytes

Read range (with NTAG213)*

Mobile phone up to 30 mm
Fixed reader up to 55 mm

Applicable surface materials*

Non-metallic surfaces.

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

MECHANICAL SPECIFICATION

Tag materials

Printable white synthetic face layer, resin ribbon recommended.

Background adhesive

Permanent adhesive for general purpose use.

Weight

< 1 g

Delivery format

2500 pcs / reel

Pitch on reel

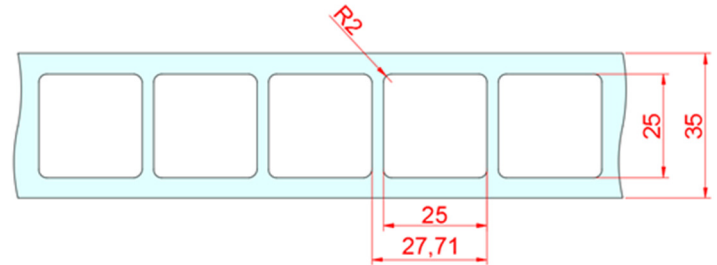
27,71 mm / 1.091 in

Reel core inner diameter

76 mm / 3"

Tag dimensions

25 x 25 x 0,2 mm / 0.98 x 0.98 x 0.007 in



ENVIRONMENTAL RESISTANCE

Operating temperature

-35°C to +85°C / -31°F to +185°F

Ambient temperature

-35°C to +85°C / -31°F to +185°F

Water resistance

Good, tested 5 hours in 1m deep water (IP68)

Chemical resistance

No physical or performance changes in:
- 168h Salt water (salinity 10%) exposure
- 168h Sulfuric acid (10%, pH 2) exposure
- 168h Motor oil exposure
- 2h NaOH (10%, pH 13) exposure
- 2h Acetone exposure

Storage condition

1 year in +20°C / 50% RH (shelf life for adhesive)

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 NDEF encoding

Visual marking

- Variable printing of customer specific content (such as QR-code, Barcode, serial number)
- Color artwork, branding

Please note, that custom printing may impact the product pitch on reel depending on the artwork type.

INSTALLATION INSTRUCTIONS

Ideal installation conditions are +20°C (+68°F) / 50% RH. For exceptional conditions, please contact Confidex. Bond strength can be improved with firm application pressure. Always ensure clean surface for obtaining the maximum bond strength.

During attachment to the identified item, please avoid touching the background adhesive. If the location on the asset needs to be changed, please use a new tag instead of re-placing the used one; the adhesion will suffer from the re-placement.

Minimum bending diameter of the Confidex Links NFC™ is defined to be 50mm. Do not bend the label above the limit. Never touch on the location of the IC. IC chip is sensitive electrical component and can be damaged if unexpected pressure is applied on the chip.

ORDER INFORMATION

Product number: 3001795

Product name: Confidex Links NFC™ NTAG213

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

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