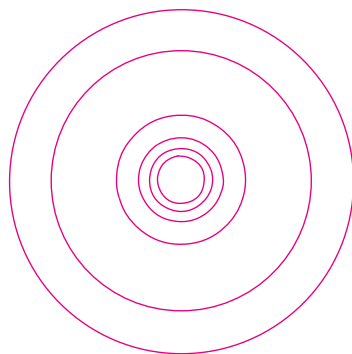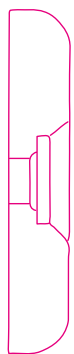# PRODUCT DATASHEET

Industrial IP68 NFC Tags
NTAG213/216 antimetal 34mm

Reference: RE-N213IP68-S / RE-N216IP68-S

The most resistant NFC Tag, for industrial use.
IP68 certified, **resistant up to 230°C**.
Totally waterproof and dustproof.
Equipped with anti-metal layer and 3M glue for outdoor.

6 mm

34 mm

Dimensions

Round, diameter
34 mm ± 0.3 mm

Hole diameter
4.5 mm ± 0.3 mm

Thickness
6 mm ± 0.3 mm

Approx. Weight
7 g

Contactless IC chip

Manufacturer
NXP

Chip module
NTAG213 / NTAG216

Operating frequency
13.56 MHz

User memory
144 byte / 888 byte

7-byte Unique ID (UID)

Communication rate
106 kbit/s

Compliance
ISO/IEC 14443-A / NFC Forum Type 2

Read/Write endurance
100,000 cycles

Data retention
10 years

ShopNFC
www.shopnfc.com

Sinfotech.it S.r.l.
VAT n. IT03424760134
www.sinfotech.it

RFID.it
www.rfid.it

Technical features

Material	Polyamide 6 (PA6)
Adhesive	Strong 3M 4604 adhesive layer
Structure	Anti-metal (also applicable to metal)
Protection class	IP68 certified (dust tight/immersion greater than 1m water)
Attribute	Completely waterproof Resistant up to 230°C (see below)

Peak Temperature

160°C, 50 hrs
190°C, 4 hrs
230°C, 30 mins
Operating temperature -40~85°C
Storage temperature -40~160°C

Options

Encoding with URL (fixed or dynamic)
UID collecting / printing / pairing
Laser engraving
Available with different chip (upon request)

Vibration test

IEC 68.2.6: 10 g, 10 to 2000 Hz, 3 axis, 2.5 h

Shock test

IEC 68.2.29: 40g, 18ms, 6 axis, 2000 times

Certificate

This product is identified and certified by SGS in accordance with the RoHS Directive 2002/95/EC and its amendment directive.

$\mathsf{C}\mathsf{E}$ RoHS compliant

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