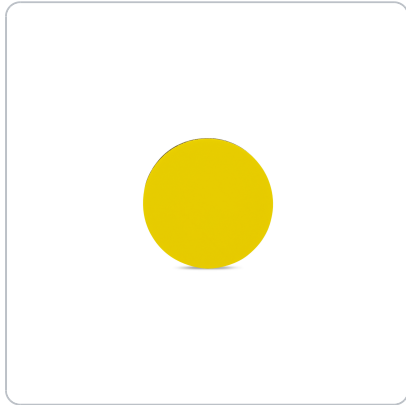


Product number: 68758

# NFC Sticker PVC On-Metal - 30 mm - NTAG213 - 180 Byte - yellow | yellow



## coe-datasheet-sw6.pdf.productInformation

The NFC On-Metal PVC Sticker enables the use of NFC on metallic surfaces both indoors and outdoors. It is extremely robust due to its material, so that the NFC functionality is not limited even in outdoor areas. This product is suitable for object protection or product identification, especially if the surface is made of metal.

## Short description

- PVC material, rigid, self-adhesive
- suitable for metallic/conductive surfaces
- 30 mm diameter
- Indoor and outdoor application
- Ambient temperature from -25 to +70 degrees
- NXP NTAG213 (NTAG213) - 180 Byte (NDEF: 137 Byte)

## Product description

### NFC product

The yellow on-metal sticker is made of PVC and is therefore waterproof. An additional layer ensures that the NFC function also works properly on metallic surfaces. The backside has a 3M adhesive layer, which gives the sticker the necessary adhesive strength. The sticker has a diameter of 30 mm and a material thickness of approx. 1.30 mm. The NFC microchip is invisibly integrated in the sticker and withstands temperatures between -25 degrees and 70 degrees. This article is compatible with all NFC-enabled smartphones.

### NFC chip

The self-adhesive PVC sticker is equipped with the original NXP NTAG213 and offers a cost-effective entry into the NTAG21x series. The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. The NTAG213 has a total capacity of 180 bytes (free memory 144 bytes), thereof usable memory in the NDEF 137 bytes. Each individual chip has a unique serial number (UID) consisting of 7 bytes (alphanumeric, 14 characters). The NFC chip can be written up to 100,000 times and has a data retention of 10 years. The NTAG213 has the UID ASCII Mirror feature, which allows the tag's UID to be appended to the NDEF message, as well as an integrated

NFC counter that automatically increments during readout. Both features are not enabled by default. The NTAG213 is compatible with all NFC-enabled smartphones, the NFC21 tools and all ISO14443 terminals.

- Total capacity: 180 byte
- Free memory: 144 byte
- Usable memory NDEF: 137 byte

## Product properties

|                           |                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product number            | 68758                                                                                                                                                       |
| Memory                    | 180 Byte (free: 144 Byte, NDEF: 137 Byte)                                                                                                                   |
| Functions                 | Write protection, UID ASCII Mirror, 32-bit Password, 24-bit Counter, ASCII Mirror, 7 Byte UID, ECC-based original signature, true anticollision, rewritable |
| Available colours         | yellow, black, red, white                                                                                                                                   |
| Sticker thickness         | 0,55mm (+/-0,05 mm)                                                                                                                                         |
| Frequency                 | 13.56 MHz                                                                                                                                                   |
| Weight                    | 0,72 g                                                                                                                                                      |
| Ambient temperature       | -25 to 70 degrees                                                                                                                                           |
| Chip                      | NXP NTAG213                                                                                                                                                 |
| Data transfer rates       | 106 kbit/s                                                                                                                                                  |
| Dimensions                | 30 mm Ø                                                                                                                                                     |
| Material                  | PVC                                                                                                                                                         |
| Storage temperature       | Min -55°C - Max +125°C                                                                                                                                      |
| Type                      | Sticker                                                                                                                                                     |
| Material thickness        | 1,43 mm (T)                                                                                                                                                 |
| Chip standards / ISO Norm | ISO 14 443-3 A, ISO 14 443-2 A                                                                                                                              |
| On-metal                  | on metal                                                                                                                                                    |
| Operating temperature     | Min -25°C - Max +70°C                                                                                                                                       |
| Data retention            | 10 years                                                                                                                                                    |
| Antenna format            | 23 mm                                                                                                                                                       |

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Number of write operations</b> | 100.000 times                    |
| <b>Carrier layer</b>              | 35 x 35 mm                       |
| <b>Product form</b>               | round                            |
| <b>Compatibility</b>              | to NFC-enabled smartphones: 100% |
| <b>Detail colour</b>              | yellow                           |
| <b>Further links</b>              | ntag                             |
| <b>Adhesive layer</b>             | Yes                              |
| <b>Colour category</b>            | yellow                           |
| <b>Antenna</b>                    | Copper                           |
| <b>NFC Forum Type</b>             | NFC Forum type 2                 |
| <b>Delivery options</b>           | single                           |
| <b>On metal layer</b>             | 0,2 mm                           |

## More images

