Product number: 17021

NFC Sticker Circus - on-metal - 22 mm - NTAG213 - 180 byte - white



Product information

The NFC Circus Sticker from SMARTRAC has been specially developed for use on metallic objects and is therefore particularly suitable for marking metallic surfaces that need to be identified such as metal parts, tools, machines, spare parts or household appliances.

Short description

- PET material, flexible, self-adhesive
- suitable for metallic/conductive surfaces
- 22 mm diameter
- Indoor use, conditionally also outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP NTAG213 (NTAG213) - 180 Byte (NDEF: 137 Byte)

Product description

NFC product

The surface material of the white NFC sticker is made of PET. The material is therefore conditionally waterproof, so the sticker can withstand moisture even in moderation. An additional layer ensures that the NFC function also works properly on metallic surfaces. The sticker has a diameter of 22 mm and a material thickness of 0.11 mm. The chipset of the sticker is compatible with all popular NFC-enabled smartphones.

NFC chip

The NFC 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), of which usable memory in the NDEF is 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 bytes
- Free memory: 144 byte
- Usable memory NDEF: 137 byte

Product properties

Product number	17021
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte)
Detail colour	white
Frequency	13.56 MHz
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Material thickness	0,17 mm (T)
Storage temperature	Min -55°C - Max +125°C
Type	Sticker
On-metal	on metal
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Colour category	white
Chip standards / ISO Norm	ISO/IEC 14443A
Dimensions	22 mm Ø
Material	PET
Product form	round
Compatibility	to NFC-enabled smartphones: 100%
Weight	1 g
Available colours	white
Delivery options	on roll

Further links	ntag
Adhesive layer	Yes
Antenna	Aluminium
NFC Forum Type	NFC Forum type 2

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