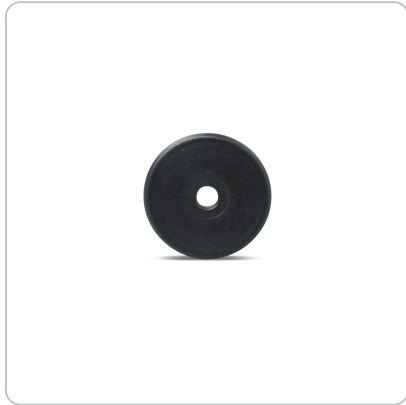


Product number: 68580

# NFC Coin PPS - On Metal - 30 mm - NTAG213 - 180 Byte - black - perforated



**coe-datasheet-sw6.pdf.productInformation**

## Short description

- PPS material, rigid
- suitable for metallic/conductive surfaces
- size 30 mm, round
- Indoor and outdoor use
- Ambient temperature from -25 to 70 degrees
- NFC chip NXP NTAG213 (180 byte, NDEF: 137 byte)

## Application area

Due to its material properties and the hole in the middle, the built-in NFC chip and size, this product is particularly suitable for labelling textiles and is resistant to chemicals and high temperatures.

## Product description

### NFC chip

The PPS tag is equipped with the original NXP NTAG213 chip. 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 NTAG213 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 NTAG 213 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. Neither feature is enabled by default. The NXP NTAG213 is compatible with all NFC-enabled smartphones, as well as with all ISO14443 terminals. It should be noted that the respective manufacturer of the hardware may require further conditions in order to be allowed to use the NFC chip.

We will be happy to advise you on this.

### NFC product

This NFC tag is made of black PPS material and has a diameter of 30 x 30 mm with a material thickness of 3.05 mm. The hole in the middle of the tag makes it easy to attach to clothing or other materials made

of fabric. The tag can be washed without any problems as it resists extreme temperatures (-20 °C to 180 °C), pressure and even chemicals. The PPS material makes the tag robust and waterproof, making it well suited for indoor and outdoor use. Due to an additional on-metal layer, the PPS tag also works on metallic surfaces.

## Product properties

<b>Product number</b>	68580
<b>Weight</b>	0.04kg
<b>Lochung</b>	5 mm Ø
<b>Memory</b>	180 Byte (free: 144 Byte, NDEF: 137 Byte)
<b>Functions</b>	Write protection, UID ASCII Mirror, 32-bit Password, 24-bit Counter, ASCII Mirror, 7 Byte UID, ECC-based original signature, true anticollision, rewritable
<b>Water resistance</b>	waterproof (IP68)
<b>Frequency</b>	13.56 MHz
<b>Type</b>	Disc
<b>Available colours</b>	black
<b>Material</b>	PPS
<b>Chip</b>	NXP NTAG213
<b>Data transfer rates</b>	106 kbit/s
<b>Dimensions</b>	30 mm Ø
<b>Storage temperature</b>	Min -55°C - Max +125°C
<b>Chip standards / ISO Norm</b>	ISO 14 443-3 A, ISO 14 443-2 A
<b>On-metal</b>	on metal
<b>Sticker thickness</b>	3,05 mm (+/-0,05 mm)
<b>Operating temperature</b>	Min -25°C - Max +70°C
<b>Data retention</b>	10 years
<b>Number of write operations</b>	100.000 times

<b>Detail colour</b>	black
<b>Weight incl. carrier layer</b>	4 g
<b>Colour category</b>	black
<b>Product form</b>	round
<b>Compatibility</b>	to NFC-enabled smartphones: 100%, to NFC locking systems: limited (chipset must be supported by the manufacturer)
<b>Further links</b>	ntag
<b>Antenna</b>	Copper
<b>Antenna format</b>	27 mm
<b>Delivery options</b>	single
<b>Ambient temperature</b>	-20 to +180 degrees
<b>Adhesive layer</b>	No
<b>On metal layer</b>	0,2 mm

## More images

