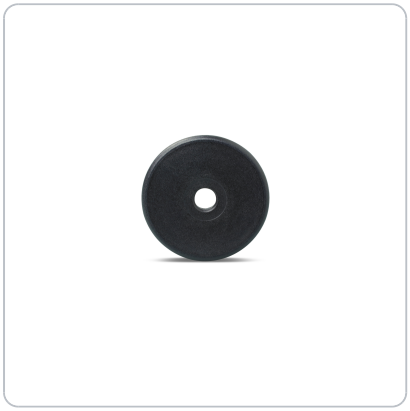
Product number: 68580

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



Product information

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

Product number	68580
Weight	0.04kg
Lochung	5 mm Ø
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
Water resistance	waterproof (IP68)
Frequency	13.56 MHz
Type	Disc
Available colours	black
Material	PPS
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Dimensions	30 mm Ø
Storage temperature	Min -55°C - Max +125°C
Chip standards / ISO Norm	ISO 14 443-3 A , ISO 14 443-2 A
On-metal	on metal
Sticker thickness	3,05 mm (+/-0,05 mm)
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times

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

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