

PRODUCT DATASHEET

iID[®] Transponder

KEY-TAG D28 NFC

HF-RFID transponder, label packaging

- passive NFC based RFID communication 13.56 MHz
- round plastic key tag, diameter 28 mm
- mounting hole
- designed for simple part tagging

This transponder device is an integral part of *microsensys* iID[®] system solutions.

This TAG operates with *microsensys* standard RFID readers as well as third party NFC readers integrated into smartphones and tablets.



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microSensys
RFID in motion

This data sheet is subject to change
Contact us for latest information

KEY-TAG D28 NFC 001

RFID Technology:	closed coupling RFID system, NFC Forum Type 2 Tag, ISO/IEC14443 Type A	
Chip Type:	NXP NTAG203	
Carrier Frequency:	13.56 MHz	
Communication Rate:		Fast data transfer up to 106 kbit/s
Communication Distance:	0 ... 30 mm	dependent on environmental conditions and reader antenna
Memory:	EEPROM	endurance >10.000 cycles, data retention > 5 years
Memory Capacity:		144Bytes available
Special Functionality:		see data sheet of chip manufacturer
Operating Temperature:	-25°C ... +65°C	
Ambient Storage Conditions:		1 year at 10 to 25°C, max.60% relative humidity max. 250 cycles -30°C to 85°C
Dimensions:	diameter 28 mm, TH max. 3.5 mm,	
Packaging Material:	plastic foil	
Mounting Instructions:		mounting hole no direct using on metal
Marking:	printed with NFC or <i>microsensys</i> Logo	optional: colour printing
Appropriate RFID Reader:	PENmini PENmotion POCKET reader HEAD reader UNI13, UNI10	with RS232TTL or USB interface, with Bluetooth interface, with USB and Bluetooth interface especially for mobile data capture with RS232TTL, RS485, USB for industrial application 13.56 MHz read write module for <i>microsensys</i> OEM partner only
HOST Command Set:	see actual API documentation of <i>microsensys</i> iID [®] driver engine or data sheets of silicon chip manufacturer	
Software:	different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de	

Type : 12.491.207.00

Chip Type: NTAG 203

User Memory: 1152

Application: non metal

bit

distance measured with M30 HEAD / PENmini
*) no standard product, **)not for new projects