**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

These 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.

<table>
<thead>
<tr>
<th>RFID Technology: closed coupling RFID system, NFC Forum Type 2 Tag, ISO/IEC14443 Type A</th>
<th>NXP NTAG203</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Type:</td>
<td></td>
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<tr>
<td>Carrier Frequency: 13.56 MHz</td>
<td>Fast data transfer up to 106 kbit/s</td>
</tr>
<tr>
<td>Communication Rate:</td>
<td></td>
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<tr>
<td>Communication Distance: 0 ... 30 mm</td>
<td>dependent on environmental conditions and reader antenna</td>
</tr>
<tr>
<td>Memory: EEPROM</td>
<td>endurance &gt;10.000 cycles, data retention &gt; 5 years</td>
</tr>
<tr>
<td>Memory Capacity: 144 Bytes available</td>
<td></td>
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<tr>
<td>Special Functionality: see data sheet of chip manufacturer</td>
<td></td>
</tr>
</tbody>
</table>

**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
- plastic foil

**Mounting Instructions:**
- mounting hole
- no direct using on metal

**Marking:**
- printed with NFC or microsensys Logo
- optional: colour printing

**Appropriate RFID Reader:**
- PENmini with RS232TTL or USB interface,
- PENmotion with Bluetooth interface,
- POCKET reader with USB and Bluetooth interface especially for mobile data capture
- HEAD reader with RS232TTL, RS485, USB for industrial application
- UNI13, UNI10 13.56 MHz read write module for microsensys OEM partner only

**HOST Command Set:**
- see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer
- different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

**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 bit

**Application:** non metal

*) no standard product, **)not for new projects

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