**QUIN-TAGspecial ATEX**

13.56 MHz transponder for industrial applications and harsh environmental conditions:
- maintenance
- equipment and item tagging
- fastening by screw or blind rivet
- TAG on metal possible
- certified for ATEX II 2G EEx ib IIC T6

This transponder package is available with different chip types based on ISO 15693 or ISO 14443. They are integral part of microsensys iID system solution. microsensys offers an attractive component platform for closed coupling RFID solutions.

**Carrier Frequency:** 13.56 MHz

**Technology:**
- RFID system iID®2000 or iID®3000
- closed coupling, based on ISO 15693 or ISO 14443B

**Memory:**
- read write type: EEPROM, endurance >100,000 cycles, data retention > 10 years,
  - ID-No and user OTP possible

**Comm. Distance:**
- 0 ... 50 mm, dependent on chip type, reader antenna and metal environment

**Dimensions:**
- approx. 33 x 30 mm, max. TH 3 mm, see following drawing

**Packaging Material:** multi layer plastic package, carrier glass fibre reinforced, front side black EP, with robust stainless steel socket

**Marking:** standard laser printed, optional two colour tampon printing

**Mounting Instructions:** fastening by screw or blind rivet, direct using on metal possible (plane side on metal)

**Operating Temperature:** -25°C ... +65°C

**Storage Temperature:**
- -45°C ... +125°C (150°C for short time)

**Appropriate RFID Reader:** PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more

**HOST Command Set:** see actual API documentation of microsensys iID driver engine or data sheets of silicon chip manufacturer

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**TAG Types**

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<tbody>
<tr>
<td>Chip Type:</td>
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<td>ISO 15693-2</td>
<td>ISO 14443B</td>
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<td>measured with P10 reader antenna type</td>
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