



1) Sensing surface



### Basic features

|                        |                    |
|------------------------|--------------------|
| Antenna type           | round              |
| Approval/Conformity    | CE<br>UKCA<br>WEEE |
| EN 55011               | Size 1, Cl. A      |
| EN 55022               | Size 1, Cl. B      |
| Principle of operation | Data carrier       |

### Electrical data

|                           |                     |
|---------------------------|---------------------|
| Data retention time/years | Unlimited           |
| Read cycles               | Unlimited           |
| Read time                 | for 40 bits: 0.235s |

### Environmental conditions

|                         |             |
|-------------------------|-------------|
| Ambient temperature     | -30...70 °C |
| Continuous shock load   | yes         |
| EN 60068-2-27, Shock    | yes         |
| EN 60068-2-32 Free fall | yes         |
| EN 60068-2-6, Vibration | yes         |
| IP rating               | IP67        |
| Storage temperature     | -30...85 °C |

### Material

|                  |                             |
|------------------|-----------------------------|
| Housing material | PEEK, GF30, With EP potting |
|------------------|-----------------------------|

### Mechanical data

|                    |   |
|--------------------|---|
| Application weight | 1.00 g  |
| Dimension          | Ø 15.3 x 4.5 mm                                       |
| Installation       | metal-free (clear zone)<br>on metal<br>flush in metal |

### Remarks

For installation requirements see corresponding read/write head.  
 Time specification includes data check.  
 Values are under rated conditions unless otherwise specified.  
 Impact loading not permitted.  
 Only when used together with the appropriate read/write head.