



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head



### Basic features

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

### Electrical data

<b>Data retention time/years</b>	Unlimited
<b>Read cycles</b>	Unlimited
<b>Read time</b>	for 40 bits: 0.235s

### Environmental conditions

<b>Ambient temperature</b>	-25...85 °C
<b>Continuous shock load</b>	yes
<b>EN 60068-2-27, Shock</b>	yes
<b>EN 60068-2-32 Free fall</b>	yes
<b>EN 60068-2-6, Vibration</b>	yes
<b>IP rating</b>	IP68, 1 m, 24 h, 20 °C
<b>Storage temperature temporary</b>	-40...130 °C 1x1000 h

### Remarks

For installation in metal: Observe clear zone.  
 Torsional, bending and impact loading is not permitted.  
 Time specification includes data check.  
 For installation requirements see corresponding read/write head.  
 Only when used together with the appropriate read/write head.  
 Values are under rated conditions unless otherwise specified.

### Functional Characteristics

<b>Memory type</b>	PROM
<b>UID serial number, read-only</b>	5 Byte

### Material

<b>Housing material</b>	PPS, EP
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### Mechanical data

<b>Application weight</b>	0.80 g
<b>Dimension</b>	Ø 12.4 x 2 mm
<b>Installation</b>	metal-free (clear zone) on metal flush in metal