



1) Sensing surface



**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>	≥ 10
<b>Memory organization</b>	124 × 8 bits
<b>Programming cycles</b>	up to 50 °C: 100,000
<b>Programming time</b>	for 16 bytes: 0.1s
<b>Read cycles</b>	Unlimited
<b>Read time</b>	User ID for 8 bytes: 0.02 s for 16 bytes: 0.03 s

**Environmental conditions**

<b>Ambient temperature</b>	-25...50 °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>	IP65
<b>Storage temperature</b>	-30...60 °C

**Functional Characteristics**

<b>Memory type</b>	EEPROM
<b>Supported data carrier types</b>	DIN ISO 15693
<b>UID serial number, read-only</b>	8 Byte
<b>User data, read/write</b>	992 Byte

**Material**

<b>Housing material</b>	Epoxy-resin/fiberglass PVC
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**Mechanical data**

<b>Application weight</b>	7.00 g
<b>Dimension</b>	25 x 3 x 65 mm
<b>Installation</b>	metal-free (clear zone)

HF (13.56 MHz)  
**BIS M-115-07/A**  
**Order Code: BIS01AR**

**BALLUFF**

#### Remarks

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Values are under rated conditions unless otherwise specified.

Only when used together with the appropriate read/write head.

For installation requirements see corresponding read/write head.

Time specification includes data check.

Torsional, bending and impact loading is not permitted.

Installation type on flat steel

The data carrier comes with an adhesive film. For specifications about the adhesive properties, please refer to the printed specifications available from the manufacturer.