



1) Sensing surface, 2) Notch



### Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier

### Electrical data

Data retention time/years	≥ 10 at 55 °C
Memory organization	250 × 8 bits
Programming cycles	≥ 10.000.000.000
Programming time	for 16 bytes: 0.060s
Read cycles	Unlimited
Read time	User ID for 8 bytes: 0.02 s for 16 bytes: 0.03 s

### Environmental conditions

Ambient temperature	-25...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	-25...85 °C

### Functional Characteristics

Memory type	FRAM
UID serial number, read-only	8 Byte
User data, read/write	2000 Byte

### Material

Housing material	POM, PA 12, PU potting
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### Mechanical data

Application weight	12.00 g
Dimension	Ø 15 x 50 mm
Installation	metal-free (clear zone) on metal flush in metal

HF (13.56 MHz)  
**BIS M-122-02/A-ZC1**  
**Order Code: BIS004C**

**BALLUFF**

**Remarks**

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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.  
Notch for attaching, only in combination with BIS Z-ZA-001.