



1) Sensing surface



## Basic features

Antenna type	round
Approval/Conformity	CE cULus WEEE
EN 55011	Size 1, Cl. A

## Electrical data

Memory organization	32 × 8 bits
Programming cycles	up to 30 °C: 1,000,000 up to 70 °C: 500,000
Programming time	for 1x8 bits: 0.3s for 32x8 bits: 0.6s
Read cycles	Unlimited
Read time	for 32x8 bits: 0.19 s

## 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
Protection degree	IP68
Storage temperature	-30...85 °C
Storage temperature temporary	120 °C 1x700 h

## Functional Characteristics

Memory type	EEPROM
User data, read/write	1023 Byte

## Material

Housing material	Epoxy-resin/fiberglass
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## Mechanical data

Application weight	1.80 g
Dimension	Ø 12 x 8 mm
Installation	metal-free (clear zone) on metal flush in metal

LF (70/455 kHz)  
**BIS C-103-05/A**  
Order Code: **BIS0004**

**BALLUFF**

#### Remarks

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Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.  
Values are under rated conditions unless otherwise specified.  
For installation requirements see corresponding read/write head.  
Time specification includes data check.  
IP68 tested according to BWN Pr 36  
On the last page only 31x8 bits are usable.  
For installation in hole Ø12 H11 (glue)