



1) Sensing surface



## Basic features

Antenna type	round
Approval/Conformity	CE UKCA cULus WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Data carrier

## Electrical data

Memory organization	64 × 8 bits
Programming cycles	up to 30 °C: 1,000,000 up to 70 °C: 500,000
Programming time	for 64x8 bits: 1.1s for 1x8 bits: 0.45s
Read cycles	Unlimited
Read time	for 64x8 bits: 0.33 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
IP rating	IP67
Storage temperature	-30...85 °C

## Functional Characteristics

Memory type	EEPROM
User data, read/write	2047 Byte

## Functional safety

MTTF (40 °C)	740 a
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## Material

Housing material	Brass, nickel-plated
Housing material, surface protection	nickel-plated

## Mechanical data

Application weight	54.00 g
Dimension	Ø 30 x 35 mm
Installation	metal-free (clear zone) on metal flush in metal
Size	M30x1.5

LF (70/455 kHz)  
**BIS C-104-11/A**  
**Order Code: BIS0006**

**BALLUFF**

#### Remarks

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On the last page only 63x8 bits are usable.  
Time specification includes data check.  
For installation requirements see corresponding read/write head.  
Values are under rated conditions unless otherwise specified.  
Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.  
For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.