



1) Sensing surface



## Basic features

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

## Electrical data

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

## Environmental conditions

<b>Ambient temperature</b>	-30...70 °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
<b>Storage temperature</b>	-30...85 °C

## Functional Characteristics

<b>Memory type</b>	EEPROM
<b>User data, read/write</b>	1023 Byte

## Functional safety

<b>MTTF (40 °C)</b>	740 a
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## Material

<b>Housing material</b>	PBT
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## Mechanical data

<b>Application weight</b>	23.00 g
<b>Dimension</b>	∅ 30 x 16 mm
<b>Installation</b>	metal-free (clear zone)
<b>Size</b>	M30x1.5

LF (70/455 kHz)  
**BIS C-117-05/A**  
**Order Code: BIS000M**

**BALLUFF**

#### Remarks

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On the last page only 31x8 bits are usable.  
IP68 tested according to BWN Pr 36  
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.