



1) Sensing surface, 2) Clear zone, 3) Read/write axis



**Basic features**

<b>Antenna type</b>	Rod
<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>	64 × 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: 0.45s for 64x8 bits: 1.1s
<b>Read cycles</b>	Unlimited
<b>Read time</b>	for 64x8 bits: 0.33 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>	2047 Byte

**Functional safety**

<b>MTTF (40 °C)</b>	740 a
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**Material**

<b>Housing material</b>	POM
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**Mechanical data**

<b>Application weight</b>	75.00 g
<b>Dimension</b>	40 x 22 x 80 mm
<b>Installation</b>	metal-free (clear zone)

LF (70/455 kHz)  
**BIS C-150-11/A**  
**Order Code: BIS002A**

**BALLUFF**

#### Remarks

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For installation in metal: Observe clear zone.  
Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.  
On the last page only 63x8 bits are usable.  
Values are under rated conditions unless otherwise specified.  
IP68 tested according to BWN Pr 36  
For installation requirements see corresponding read/write head.  
Time specification includes data check.  
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.