



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>	32 × 8 bits
<b>Programming cycles</b>	up to 70 °C: 500,000 up to 30 °C: 1,000,000
<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>	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-150-05/A**  
**Order Code: BIS0028**

**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 metal: Observe clear zone.

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.