



1) Sensing surface, 2) Read/write axis, 3) Clear zone, 4) Clear zone surrounding



### Basic features

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

### Electrical data

Memory organization	32 × 8 bits
Programming cycles	up to 70 °C: 500,000 up to 30 °C: 1,000,000
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
IP rating	IP65
Storage temperature	-30...85 °C

### Functional Characteristics

Memory type	EEPROM
User data, read/write	1023 Byte

### Functional safety

MTTF (40 °C)	740 a
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### Material

Housing material	POM
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### Mechanical data

Application weight	75.00 g
Dimension	40 x 20 x 80 mm
Installation	metal-free (clear zone)

LF (70/455 kHz)  
**BIS C-150-05/A-SA1**  
**Order Code: BIS0029**

**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 31x8 bits are usable.  
Values are under rated conditions unless otherwise specified.  
Time specification includes data check.  
For installation requirements see corresponding 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.