



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head



### Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier

### Electrical data

Data retention time/years	Unlimited
Read cycles	Unlimited
Read time	for 40 bits: 0.235s

### Environmental conditions

Ambient temperature	-40...85 °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, 1 m, 30 min
Storage temperature	-40...95 °C

### Functional Characteristics

Memory type	PROM
UID serial number, read-only	5 Byte

### Material

Housing material	Epoxy-resin/fiberglass, GF
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### Mechanical data

Application weight	1.30 g
Dimension	Ø 20 x 1.6 mm
Installation	metal-free (clear zone) on metal flush in metal

LF (125 kHz)  
**BIS L-200-03/L**  
**Order Code: BIS003R**

**BALLUFF**

#### Remarks

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For installation in metal: Observe clear zone.

a) Hygroscopicity The hygroscopicity of the cured material depends heavily on the ambient temperature. Saturation in water at +20 °C / 6 days = 0.3 %

Saturation in water at +70 °C / 3 days = 3.0 %

Torsional, bending and impact loading is not permitted.

Time specification includes data check.

For installation requirements see corresponding read/write head.

Only when used together with the appropriate read/write head.

Values are under rated conditions unless otherwise specified.