



1) Sensing surface, 2) Clear zone, 3) Tightening torque max. 2.5 Nm



**Basic features**

Antenna type	round
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 30 °C: 1,000,000 up to 70 °C: 500,000
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	IP68
Storage temperature	-30...85 °C
Storage temperature temporary	120 °C 1x700 h

**Functional Characteristics**

Memory type	EEPROM
User data, read/write	1023 Byte

**Material**

Housing material	Epoxy-resin/fiberglass
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**Mechanical data**

Application weight	6.00 g
Dimension	Ø 26 x 6 mm
Installation	metal-free (clear zone)

LF (70/455 kHz)  
**BIS C-128-05/L**  
**Order Code: BIS0019**

**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.