



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head, 4) Tightening torque



**Basic features**

<b>Antenna type</b>	round
<b>Approval/Conformity</b>	CE Ecolab WEEE
<b>EN 55011</b>	Size 1, Cl. A
<b>EN 55022</b>	Size 1, Cl. B

**Electrical data**

<b>Data retention time/years</b>	≥ 10
<b>Memory organization</b>	47 × 16 bytes
<b>Programming cycles</b>	≥ 100.000
<b>Programming time</b>	for 16 bytes: 0.040s
<b>Read cycles</b>	Unlimited
<b>Read time</b>	for 16 bytes: 0.02 s User ID for 4 bytes: 0.02s

**Environmental conditions**

<b>Ambient temperature</b>	-40...85 °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 per DIN 40050</b>	IPx9K
<b>Protection degree</b>	IP68
<b>Storage temperature temporary</b>	-40...220 °C 1x1000 h, 1500x30 min

**Functional Characteristics**

<b>Memory type</b>	EEPROM
<b>Supported data carrier types</b>	DIN ISO 14443
<b>UID serial number, read-only</b>	4 Byte
<b>User data, read/write</b>	736 Byte

**Material**

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

<b>Application weight</b>	4.00 g
<b>Dimension</b>	Ø 24.9 x 4.8 mm
<b>Installation</b>	metal-free (clear zone)

HF (13.56 MHz)  
**BIS M-132-10/L-HT**  
Order Code: BIS00YA

**BALLUFF**

#### Remarks

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The data carrier meets the device protection level EPL Gb and can therefore be used in Zone 1 with Gas Group II. A, II. B and II.C used.  
Values are under rated conditions unless otherwise specified.  
Only when used together with the appropriate read/write head.  
For installation requirements see corresponding read/write head.  
Time specification includes data check.  
Storage temperature 1000 h or 1500 cycles à 30 min.  
For installation in metal: Observe clear zone.