



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



### Basic features

Antenna type	Rectangular
Approval/Conformity	CE Ecolab WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B

### Electrical data

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

### 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 per DIN 40050	IPx9K
Protection degree	IP68
Storage temperature temporary	-40...220 °C 1x1000 h, 1500x30 min

### Functional Characteristics

Memory type	EEPROM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	112 Byte

### Material

Housing material	PPS
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### Mechanical data

Application weight	70.00 g
Dimension	52 x 11.5 x 128 mm
Installation	metal-free (clear zone)

HF (13.56 MHz)  
**BIS M-136-03/L-HT**  
Order Code: BIS00Y1

**BALLUFF**

#### Remarks

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For installation in metal: Observe clear zone.  
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.  
The data carrier meets the device protection level EPL Gb and can therefore be used in Zone 1 with Gas Group II. A and II. B.  
Storage temperature 1000 h or 1500 cycles à 30 min.