



1) Sensing surface, 2) Tightening torque, 3) see R/W head table



Basic features

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

Electrical data

| | |
|---------------------------|---|
| Data retention time/years | ≥ 10 |
| Memory organization | 124 × 8 bits |
| Programming cycles | up to 50 °C: 100,000 |
| Programming time | for 16 bytes: 0.1s |
| Read cycles | Unlimited |
| Read time | for 16 bytes: 0.03 s User ID for 8 bytes: 0.02 s |

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 | IP68 |
| IP rating per DIN 40050 | IPx9K |
| 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 | 992 Byte |

Material

| | |
|------------------|-----|
| Housing material | PPS |
|------------------|-----|

Mechanical data

| | |
|--------------------|-------------------------|
| Application weight | 32.00 g |
| Dimension | 51.5 x 6.4 x 51.5 mm |
| Installation | metal-free (clear zone) |

HF (13.56 MHz)
BIS M-135-07/L-HT
Order Code: BIS00Y2

BALLUFF

Remarks

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