



1) Sensing surface



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 | 64 × 8 bits |
| Programming cycles | up to 30 °C: 1,000,000 up to 70 °C: 500,000 |
| Programming time | for 1x8 bits: 0.45s for 64x8 bits: 1.1s |
| Read cycles | Unlimited |
| Read time | for 64x8 bits: 0.33 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 | 2047 Byte |

Material

| | |
|------------------|------------------------|
| Housing material | Epoxy-resin/fiberglass |
|------------------|------------------------|

Mechanical data

| | |
|--------------------|---|
| Application weight | 0.70 g |
| Dimension | Ø 10 x 4.5 mm |
| Installation | metal-free (clear zone) on metal flush in metal |

LF (70/455 kHz)
BIS C-122-11/L
Order Code: BIS0015

BALLUFF

Remarks

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 63x8 bits are usable.
For installation in hole Ø10 H11 (glue)