



1) Sensing surface, 2) Do not use at same time, 3) Clear zone, 4) Tightening torque, 5) Cut-out



Basic features

| | |
|------------------------|-----------------------------|
| Antenna type | 2x 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 70 °C: 500,000 up to 30 °C: 1,000,000 |
| Programming time | for 64x8 bits: 1.1s for 1x8 bits: 0.45s |
| 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 |

Functional Characteristics

| | |
|-----------------------|-----------|
| Memory type | EEPROM |
| User data, read/write | 2047 Byte |

Functional safety

| | |
|--------------|-------|
| MTTF (40 °C) | 740 a |
|--------------|-------|

Material

| | |
|------------------|-----|
| Housing material | PBT |
|------------------|-----|

LF (70/455 kHz)
BIS C-191-11/L
Order Code: BIS002R

BALLUFF

Mechanical data

Application weight 10.00 g

Dimension

24 x 21 x 24 mm

Installation

metal-free (clear zone)

Remarks

For installation in metal: Observe clear zone.

Values are under rated conditions unless otherwise specified.

On the last page only 63x8 bits are usable.

For installation requirements see corresponding read/write head.

IP68 tested according to BWN Pr 36

Time specification includes data check.

Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.