



1) Sensing surface



## Basic features

|                     |                     |
|---------------------|---------------------|
| Antenna type        | round               |
| Approval/Conformity | CE<br>cULus<br>WEEE |
| EN 55011            | Size 1, Cl. A       |

## Electrical connection

|                                     |                             |
|-------------------------------------|-----------------------------|
| Bending radius min., fixed cable    | 5 x D                       |
| Bending radius min., flexible cable | 10 x D                      |
| Cable diameter D                    | 5.40 mm                     |
| Cable length L                      | 10 m, Drag chain compatible |
| Cable, bending cycles min.          | 2 million                   |
| Connection                          | M12x1-Female                |
| Connection type                     | 10.00 m, PU                 |

## Environmental conditions

|                                  |             |
|----------------------------------|-------------|
| Ambient temperature              | 0...70 °C   |
| Cable temperature, drag chain    | -25...60 °C |
| Cable temperature, fixed routing | -50...80 °C |
| Continuous shock load            | yes         |
| EN 60068-2-27, Shock             | yes         |
| EN 60068-2-32 Free fall          | yes         |
| EN 60068-2-6, Vibration          | yes         |
| Protection degree                | IP67        |
| Storage temperature              | -20...85 °C |

## Functional safety

|              |         |
|--------------|---------|
| MTTF (40 °C) | 15080 a |
|--------------|---------|

## Material

|                  |           |
|------------------|-----------|
| Housing material | ABS, GF16 |
| Material jacket  | PU        |

LF (70/455 kHz)  
**BIS C-305-PU1-10**  
Order Code: BIS0068

# BALLUFF

## Mechanical data

**Application weight** 230.00 g  
**Dimension** 25 x 10 x 50 mm

## Installation

metal-free (clear zone)  
on metal  
flush in metal

## Remarks

Specified relative speed refers to reading/writing the first 4 bytes from the first page.  
Only together with converter BIS C-901 or BIS C-6xx  
Time specification includes data check.  
Values are under rated conditions unless otherwise specified.  
ATTENTION: 10m cable length reduces the read/write distance by 10 %  
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.

## Help Views



