



1) Sensing surface



Basic features

| | |
|------------------------|-----------------------------|
| Antenna type | round |
| Approval/Conformity | CE UKCA cULus WEEE |
| EN 55011 | Size 1, Cl. A |
| Principle of operation | Read/write head |

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 mil. |
| 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 |
| IP rating | 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

