



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	1 m, drag chain compatible
Cable, bending cycles min.	2 mil.
Connection	M12x1-Female
Connection type	1.00 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
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## Material

Housing material	ABS, GF16
Material jacket	PU

LF (70/455 kHz)  
**BIS C-305-PU1-01**  
**Order Code: BIS0066**

**BALLUFF**

**Mechanical data**

**Installation**

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

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

**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  
Values are under rated conditions unless otherwise specified.  
Time specification includes data check.  
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**



