



1) Sensing surface, 2) Mounting surface, 3) Data carrier, 4) Read range



## 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	5 m, drag chain compatible
Cable, bending cycles min.	2 mil.
Connection	M12x1-Female
Connection type	5.00 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

## Material

Housing material	Aluminium, PA 6.6
Material jacket	PU

LF (70/455 kHz)  
BIS C-302-PU1-05  
Order Code: BIS00PA

# BALLUFF

## Mechanical data

Application weight 270.00 g  
Dimension 40 x 33 x 61.5 mm

## Installation

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

## Remarks

Only together with converter BIS C-901 or BIS C-6xx  
Values are under rated conditions unless otherwise specified.

## Help Views

## BIS C-302-\_\_

	BIS C-100-05/A	BIS C-103-05/A	BIS C-105-05/A	BIS C-121-04/L	BIS C-121-04/L-SA1	BIS C-122-04/L	BIS C-130-05/L	BIS C-130-05/L	BIS C-130-05/L-SA1	BIS C-191-__/L			
passende Datenträger Appropriate data carriers	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	bündig / flush	nicht bündig / non-flush	nicht bündig / non-flush			
<b>statischer Betrieb</b>													
<b>Static mode</b>													
Schreibabstand in mm Write distance in mm	0-4	0-3	0-3	0-1,5	0-0,7	0-2	0-3,5	0-4	0-4	0-4	0-3		
Leseabstand in mm Read distance in mm	0-4	0-3	0-3	0-1,5	0-0,7	0-2	0-3,5	0-4	0-4	0-4	0-3		
Versatz in mm bei Abstand von	0,7	±3	±3	±1,5	±1	±2	±3	±5	±5	±5	±4		
1													
2													
3	±2	±1,5	±1,5				±2	±3	±3	±3	±2		
4													
5													
6													
7													
10													
15													
20													
35													
42													
60													
Offset in mm at distance													