



1) Sensing surface, 2) Tightening torque



### 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

### Functional safety

MTTF (40 °C)	15080 a
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### Material

Housing material	Brass, nickel-plated
Housing material, surface protection	nickel-plated
Material jacket	PU

### Mechanical data

Application weight	210.00 g
Dimension	Ø 14.5 x 35 mm
Installation	metal-free (clear zone) on metal flush in metal

LF (70/455 kHz)  
BIS C-300-PU1-05  
Order Code: BIS005Z

**BALLUFF**

## Remarks

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Only together with converter BIS C-901 or BIS C-6xx  
Specified relative speed refers to reading/writing the first 4 bytes from the first page.  
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

## BIS C-300-\_\_

	C-100-05/A	C-103-05/A	C-105-05/A	C-121-04/L	C-121-04/L-SA1	C-122-04/L	C-130-05/L	C-134-__/L	C-130-05/L	nicht bündig / non-flush	C-130-05/L-SA1	C-130-05/L-SA6	C-191-__/L	C-141-11/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	nicht bündig / non-flush	nicht bündig / non-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	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-4	0-3	0-3,5	0-3,5
Leseabstand in mm Read distance in mm	0-4	0-3,5	0-3,5	0-2	0-1,2	0-2,5	0-4	0-3	0-4	0-4	0-4	0-3	0-3,5	0-3,5
Versatz in mm bei Abstand von	±3	±3	±3	±2	±2	±2,5	±3,5	±4	±5	±5	±5	±3,5	±4	±3
	1													±3
	2													±3
	3	±2	±2											±1,5
	4													
	5													
	6													
	7													
	10													
	15													
	20													
	35													
	42													
	60													

## BIS C-300-\_\_



passende Datenträger  
 Appropriate data carriers  
 statischer Betrieb

**Static mode**

Schreibabstand in mm  
 Write distance in mm

0-3

Leseabstand in mm  
 Read distance in mm

0-3

Versatz in mm  
 bei Abstand von

0,7

1

2

3

4

5

6

7

10

15

20

36

42

60

Offset in mm  
 at distance