



L
 1) Sensing surface



Basic features

Antenna type	round
Approval/Conformity	CE cULus 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	0.3 m, Drag chain compatible
Cable, bending cycles min.	2 million
Connection type	0.30 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
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Material

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

Mechanical data

Application weight	200.00 g
Dimension	Ø 16 x 35 mm
Installation	metal-free (clear zone) on metal flush in metal
Size	M16x1

LF (70/455 kHz)
BIS C-306-PU1-00,3-SA1
Order Code: BIS006E

BALLUFF

Remarks

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.

Only together with adapter cable: BIS C-527-PU1-01,3 or BIS C-527-PU1-02,7

Time specification includes data check.

Values are under rated conditions unless otherwise specified.

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-306-___



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

35

42

60

Offset in mm
 at distance

±2,5

±2,5

±1,5

BIS C-306-__

	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	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
statischer Betrieb Static mode													
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	0.3	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	0.3	0.3/5	0.3/5
Versatz in mm bei Abstand von	0.7	±3	±3	±2	±2	±2,5	±3,5	±4	±5	±5	±3,5	±4	±3
1													
2													±3
3		±2	±2						±4	±4	±2	±3	±1,5
4													
5													
6													
7													
10													
15													
20													
35													
42													
60													
Offset in mm at distance													