



1) Sensing surface, 2) Clear zone



## 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	PBT, Blue, Nuts PA 6.6 black
Material jacket	PU

## Mechanical data

Application weight	197.00 g
Dimension	Ø 18 x 80 mm
Installation	metal-free (clear zone)
Size	M18x1

LF (70/455 kHz)  
BIS C-319-PU1-05  
Order Code: BIS0078

**BALLUFF**

## Remarks

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Specified relative speed refers to reading/writing the first 4 bytes from the first page.  
For installation in metal: Observe clear zone.  
Use included plastic nuts for installation.  
Time specification includes data check.  
Values are under rated conditions unless otherwise specified.  
Only together with converter BIS C-901 or BIS C-6xx  
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-319-\_\_

	BIS C-108-__/L	BIS C-117-05/L	BIS C-130-05/L	BIS C-130-05/L-SA1	BIS C-134-__/L	BIS C-191-__/L														
passende Datenträger Appropriate data carriers	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	0-14	0-15	0-13	0-13	0-12	0-11														
Leseabstand in mm Read distance in mm	0-14	0-15	0-13	0-13	0-12	0-11														
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	±12	±13	±9	±9	±9	±9	±9	±8,5	±7,5	±11	±11	±8,5	±7,5	±12	±12	±12	±12	±12	±12	±12