



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	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	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-PU1-01**  
**Order Code: BIS0077**

**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

