



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 | 10 m, drag chain compatible |
| Cable, bending cycles min. | 2 mil. |
| Connection | M12x1-Female |
| Connection type | 10.00 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 |
|--------------|---------|

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-PU1-10
Order Code: BIS0079

BALLUFF

Remarks

Specified relative speed refers to reading/writing the first 4 bytes from the first page.
For installation in metal: Observe clear zone.
Time specification includes data check.
Use included plastic nuts for installation.
Values are under rated conditions unless otherwise specified.
ATTENTION: 10m cable length reduces the read/write distance by 10 %
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- <u>L</u> | BIS C-117-05/L | BIS C-130-05/L | BIS C-130-05/L-SA1 | BIS C-134- <u>L</u> | BIS C-191- <u>L</u> | | | | | | | | | | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | | | | | | | | | | | | | | |
| statischer Betrieb | | | | | | | | | | | | | | | | | | | | |
| Static mode | | | | | | | | | | | | | | | | | | | | |
| 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 | ±12 | ±13 | ±9 | ±9 | ±9 | ±9 | | | | | | | | | | | | | | |
| Offset in mm at distance | ±12 | ±12 | ±9 | ±9 | ±9 | ±9 | | | | | | | | | | | | | | |
| | 0,7 | | | | | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | | | | | | |