



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 |

Material

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

LF (70/455 kHz)
BIS C-315-PU1-05
Order Code: BIS00PL

BALLUFF

Mechanical data

Installation

Application weight 510.00 g
Dimension 80 x 40 x 80 mm

metal-free (clear zone)
on metal
flush in metal

Remarks

Values are under rated conditions unless otherwise specified.
Only together with converter BIS C-901 or BIS C-6xx

Help Views

BIS C-315-__

| | BIS C-104-_/A | BIS C-108-_/L | BIS C-108-_/L-SA2 | BIS C-117-05/A | BIS C-117-05/L | BIS C-127-05/L | BIS C-128-_/L | BIS C-130-05/L | BIS C-133-_/L | BIS C-134-11/L | BIS C-190-_/L | | |
|---|----------------|--------------------------|--------------------------|----------------|--------------------------|----------------|--------------------------|--------------------------|--------------------------|----------------|---------------|--------------------------|--|
| passende Datenträger Appropriate data carriers | bündig / flush | nicht bündig / non-flush | nicht bündig / non-flush | bündig / flush | nicht bündig / non-flush | BIS C-127-05/L | nicht bündig / non-flush | nicht bündig / non-flush | nicht bündig / non-flush | BIS C-134-11/L | BIS C-190-_/L | nicht bündig / non-flush | |
| statischer Betrieb | | | | | | | | | | | | | |
| Static mode | | | | | | | | | | | | | |
| Schreibabstand in mm Write distance in mm | 1-13 | 2-16 | 2-16 | 0-15 | 0-18 | 10-30 | 0-18 | 0-18 | 0-15 | 0-16 | 0-20 | | |
| Leseabstand in mm Read distance in mm | 1-13 | 2-16 | 2-16 | 0-15 | 0-18 | 10-30 | 0-18 | 0-18 | 0-15 | 0-16 | 0-20 | | |
| Versatz in mm bei Abstand von | ±15 | ±15 | ±15 | ±15 | ±17 | ±30 | ±17 | ±16 | ±17 | ±16 | ±18 | | |
| | 0,7 | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | |
| Offset in mm at distance | ±10 | ±11 | ±10 | ±12 | ±15 | ±30 | ±15 | ±14 | ±14 | ±14 | ±18 | | |
| | ±8 | ±8 | ±8 | ±12 | ±15 | ±30 | ±15 | ±14 | ±14 | ±12 | ±18 | | |
| | | | | | ±14 | ±27 | ±14 | | | | ±16 | | |
| | | | | | | ±20 | | | | | | | |