



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 | 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 |

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 |

Remarks

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

LF (70/455 kHz)
BIS C-306-PU1-10
Order Code: BIS00PE

BALLUFF

Help Views

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 | | | | ±2 | | | | | | | | |
| | 1 | ±3 | ±3 | ±2 | | ±2,5 | ±3,5 | ±4 | ±5 | ±5 | ±3,5 | ±4 | ±3 |
| | 2 | | | | | | | | | | | | ±3 |
| | 3 | ±2 | ±2 | | | | ±3 | | ±4 | ±4 | ±2 | ±3 | ±1,5 |
| | 4 | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | |
| | 35 | | | | | | | | | | | | |
| | 42 | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | |
| Offset in mm at distance | | | | | | | | | | | | | |

BIS C-306-___

| | |
|---|---|
| passende Datenträger Appropriate data carriers | C-141-11L |
| statischer Betrieb | bündig / flush |
| 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 ±2,5 2 ±2,5 3 ±1,5 4 5 6 7 |
| Offset in mm at distance | 10 15 20 35 42 60 |