

1) Sensing surface, 2) Tightening torque, 3) Clear zone



### Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
Principle of operation	Read/write head

### Display/Operation

Function indicator	Operating, LED yellow flashing CP (Code tag present), LED yellow Power (ON), LED green
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### Electrical connection

Connection	Male, 8-pin
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### Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...70 °C
Area of operation	Indoor
Contamination scale	2
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
Relative humidity	0...90 %, non-condensing
Storage temperature	-20...85 °C

### Functional Characteristics

Supported data carrier types	DIN ISO 15693 DIN ISO 15693 (High Memory) LF 70/455 kHz
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### Functional safety

MTTF (40 °C)	545.9 a
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## Material

Housing material	Brass, nickel-plated
Housing material, surface protection	nickel-plated

## Mechanical data

Application weight	50 g
Dimension	Ø 16 x 82.1 mm
Installation	metal-free (clear zone)

## Remarks

Only together with BIS V-61xx

For basic equipment: Accessories see [www.balluff.com](http://www.balluff.com)

Values are under rated conditions unless otherwise specified.

LF antenna (70/455 kHz) is designed for 10m connection cable.

This device is intended to be supplied by a UL-listed or CSA-certified power supply unit with "Class 2" or LPS power source.

The devices must be installed permanently.

1. Determine a suitable mounting position.

2. Fasten the device with suitable mounting material.

The device can be cleaned with a slightly damp cloth.

Regularly check the function of the device and all associated components through visual and functional tests.

- Shut down the device in the event of malfunctions.

- Secure the system against unauthorized use.

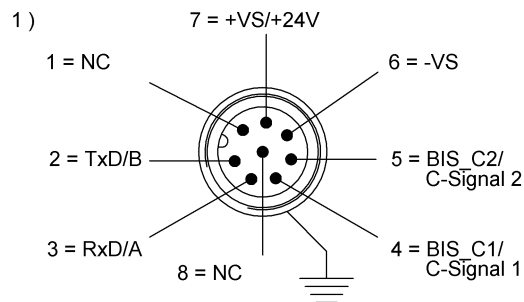
- Check fastening and tighten if necessary.

The product is maintenance-free.

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.

## Connector Drawings



1) View towards connector