

1) Sensing surface, 2) Clear zone, 3) Cable length see text, 4) Tightening torque



Basic features

Antenna type	round
Approval/Conformity	CE UKCA WEEE
EN 55011	Size 1, Cl. A
Principle of operation	Read/write head

Electrical connection

Cable diameter D	4.80 mm
Cable length L	0.5 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	0.50 m, PU1

Electrical data

Operating voltage U_b	19.2...28.8 VDC
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Environmental conditions

Altitude max.	2000 m
Ambient temperature	0...70 °C
Area of operation	Indoor
Cable temperature, fixed routing	-30...80 °C
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

Material

Housing material	Brass, Interface aluminum, nickel-plated
Housing material, surface protection	nickel-plated
Material jacket	PU1

LF (125 kHz)
BIS VL-306-001-S4
Order Code: BIS00UJ

BALLUFF

Mechanical data

Application weight 210.00 g

Dimension

Ø 12 x 42.5 mm

Installation

metal-free (clear zone)

Size

M12x1

Remarks

Use included nuts and fastening clamps for installation.

Values are under rated conditions unless otherwise specified.

For installation in metal: Observe clear zone.

Only together with BIS V-6xxx

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.

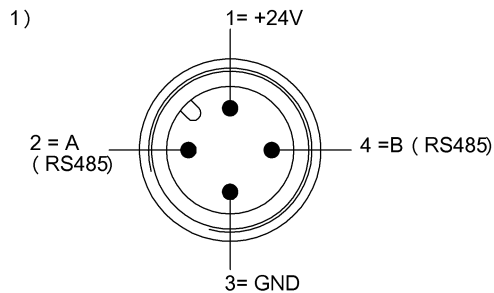
- Shut down the device in the event of malfunctions.

- Secure the system against unauthorized use.

- Check fastening and tighten if necessary.

The product is maintenance-free.

Connector Drawings



1) View towards connector

Help Views

BIS VL-306-__

	BIS L-100-05/L	BIS L-103-05/L	BIS L-203-03/L BIS L-103-05/L-RO	
passende Datenträger Appropriate data carriers	metallfrei non metal	metallfrei non metal	metallfrei non metal	
Schreibabstand in mm Write distance in mm	0-12	0-7	0-7	
Leseabstand in mm Read distance in mm	0-12	0-7	0-7	
Versatz in mm bei Abstand von	0 ±7	±4	±4	
	4 ±7	±4	±4	
	7 ±7	±4	±2	
	8 ±7			
Offset in mm at distance	10 ±7			
	12 ±7			
	15			
	18			
	20			
	25			
	30			
	35			
	40			
	45			
	50			
	55			
	60			
	70			