



9) Sensing surface, 10) Clear zone



Basic features

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

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
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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
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	PBT
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Mechanical data

Application weight	410.00 g
Dimension	80 x 80 x 40 mm
Installation	metal-free (clear zone)

LF (125 kHz)
BIS VL-301-001-S4
Order Code: BIS00U6

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Remarks

For installation in metal: Observe clear zone.

Values are under rated conditions unless otherwise specified.

For basic equipment: Accessories see www.balluff.com

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.

Help Views

BIS VL-301-___



BIS L-202-03/L
 BIS L-102-05/L-RO
 auf Stahl
 on steel
 bundig in Stahl
 flush in steel
 metallfrei
 non metal

passende Datenträger
 Appropriate data carriers

Schreibabstand in mm

Write distance in mm

Leseabstand in mm

Read distance in mm

Versatz in mm

bei Abstand von

Offset in mm

at distance

0	±45	0-100	25-60	25-55
3	±45			
7	±45			
8	±45			
10	±45			
12	±45			
15	±45			
18	±45			
20	±45			
25	±45	±30	±30	
30	±45	±30	±30	
35	±45	±30	±25	
40	±45	±30	±25	
45	±45	±25	±20	
50	±45	±20	±20	
55	±45	±10	±0	
60	±45	±0		
70	±45			
100	±45			