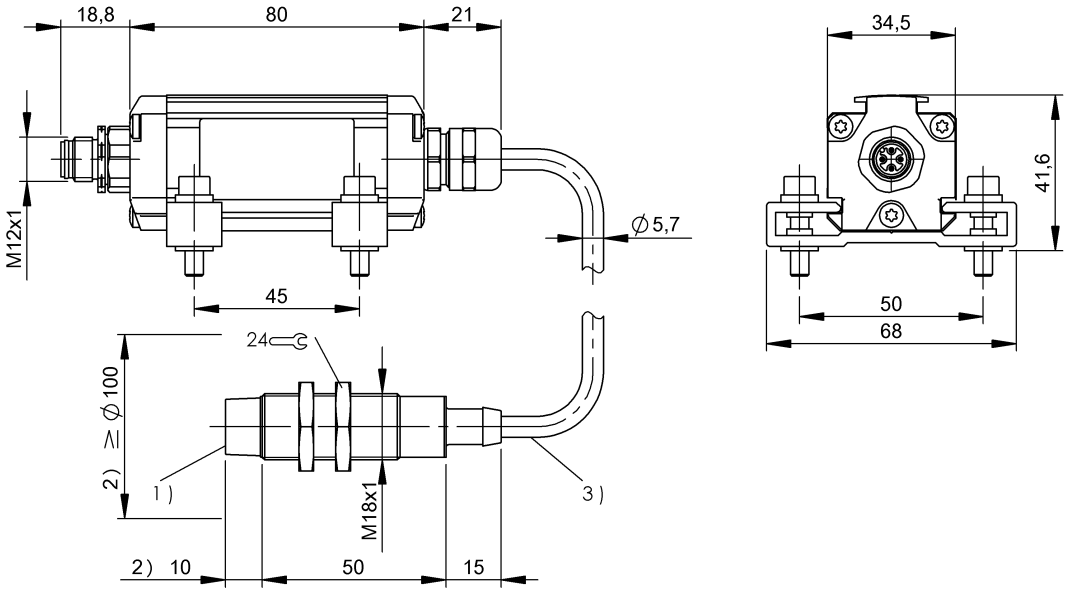
LF (125 kHz)

BIS VL-302-001-S4
Order Code: BIS00UF



1) Sensing surface, 2) Clear zone, 3) Cable length

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	5.70 mm
Cable length L	0.5 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	0.50 m, PVC

Electrical data

Operating voltage Ub	19.2...28.8 VDC

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	PVC

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Mechanical data

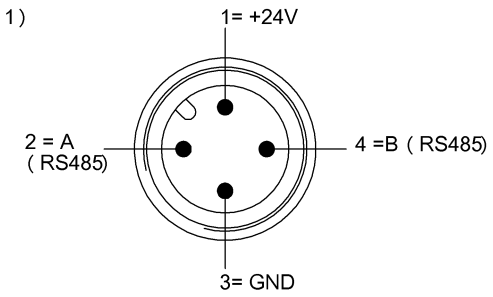
Application weight	210.00 g

Dimension	Ø 18 x 75 mm
Installation	metal-free (clear zone)
Size	M18x1

Remarks

Use included nuts and fastening clamps for installation.
Values are under rated conditions unless otherwise specified.
For installation in metal: Observe clear zone.
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.

Connector Drawings



1) View towards connector

Help Views

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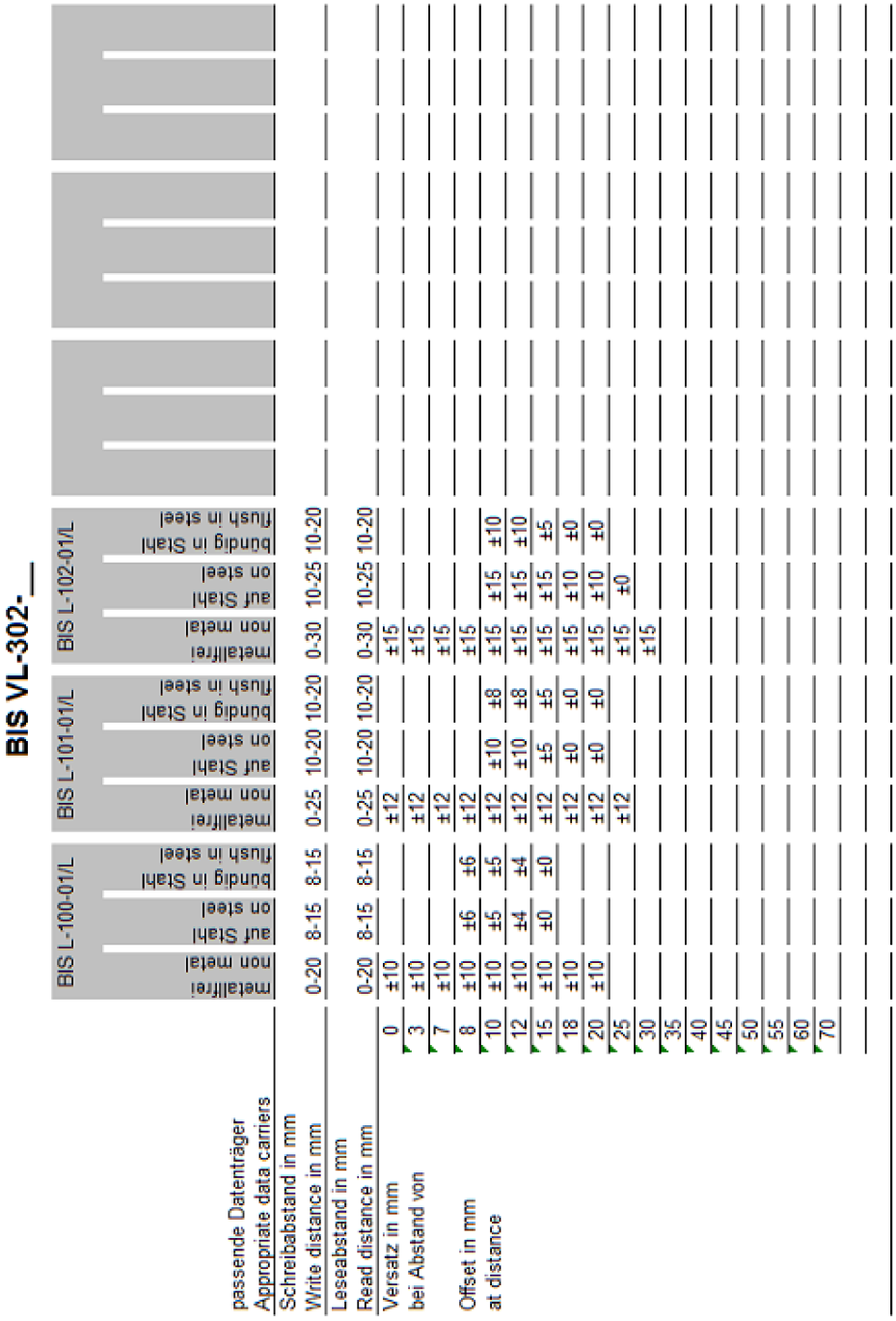

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BIS VL-302-__

passende Datenträger Appropriate data carriers	BIS L-200-03/L BIS L-100-05/L-RO			BIS L-201-03/L BIS L-101-05/L-RO			BIS L-202-03/L BIS L-102-05/L-RO			BIS L-203-03/L BIS L-103-05/L-RO					
	metallfrei non metal	auf Stahl on steel	bündig in Stahl flush in steel	metallfrei non metal	auf Stahl on steel	bündig in Stahl flush in steel	metallfrei non metal	auf Stahl on steel	bündig in Stahl flush in steel	metallfrei non metal	auf Stahl on steel	bündig in Stahl flush in steel			
Schreibabstand in mm Write distance in mm															
Leseabstand in mm Read distance in mm	0-25	8-15	8-15	0-30	10-20	10-20	0-40	10-25	10-20	0-15	4-10	3-8			
Versatz in mm bei Abstand von	0	±13			±15			±20			±6				
	3	±13			±15			±20			±6	±5			
	4	±13			±15			±20			±6	±7	±4		
	8	±13	±8	±6	±15			±20			±6	±6	±3		
Offset in mm at distance	10	±13	±8	±6	±15	±10	±10	±20	±15	±8	±6	±5			
	12	±13	±8	±6	±15	±10	±10	±20	±15	±8	±6				
	15	±13	±8	±0	±15	±10	±8	±20	±15	±6	±6				
	18	±13			±15	±0	±0	±20	±10	±0					
	20	±13			±15	±0	±0	±20	±10	±0					
	25	±13			±15			±20	±0						
	30				±15			±20							
	35							±20							
	40							±20							
	45														
	50														
	55														
	60														
	70														