



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



Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A

Electrical connection

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

Environmental conditions

Ambient temperature	0...70 °C
Cable temperature, fixed routing	-30...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
Protection degree	IP67
Storage temperature	-20...85 °C

Material

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

Mechanical data

Application weight	210.00 g
Dimension	Ø 18 x 75 mm
Installation	metal-free (clear zone)
Size	M18x1

LF (125 kHz)
BIS VL-302-001-S4
Order Code: **BIS00UF**

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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

Help Views

BIS VL-302-__

	BIS L-100-01/L		BIS L-101-01/L		BIS L-102-01/L	
passende Datenträger Appropriate data carriers	auf Stahl		auf Stahl		auf Stahl	
Schreibabstand in mm Write distance in mm	8-15		10-20		10-25	
Leseabstand in mm Read distance in mm	8-15		10-20		10-25	
Versatz in mm bei Abstand von	0 ±10	±12	0-25 ±12	10-20 ±12	0-30 ±15	10-20 ±15
Offset in mm at distance	3	±10	metalfrei	metalfrei	metalfrei	metalfrei
	7	±10	metalfrei	metalfrei	metalfrei	metalfrei
	8	±10 ±6	metalfrei	metalfrei	metalfrei	metalfrei
	10	±10 ±5	metalfrei	metalfrei	metalfrei	metalfrei
	12	±10 ±4	metalfrei	metalfrei	metalfrei	metalfrei
	15	±10 ±0	metalfrei	metalfrei	metalfrei	metalfrei
	18	±10	metalfrei	metalfrei	metalfrei	metalfrei
	20	±10	metalfrei	metalfrei	metalfrei	metalfrei
	25	±10	metalfrei	metalfrei	metalfrei	metalfrei
	30	±10	metalfrei	metalfrei	metalfrei	metalfrei
	35	±10	metalfrei	metalfrei	metalfrei	metalfrei
40	±10	metalfrei	metalfrei	metalfrei	metalfrei	
45	±10	metalfrei	metalfrei	metalfrei	metalfrei	
50	±10	metalfrei	metalfrei	metalfrei	metalfrei	
55	±10	metalfrei	metalfrei	metalfrei	metalfrei	
60	±10	metalfrei	metalfrei	metalfrei	metalfrei	
70	±10	metalfrei	metalfrei	metalfrei	metalfrei	

BIS VL-302-

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
metalfrei	metalfrei	metalfrei	metalfrei
auf Stahl	auf Stahl	auf Stahl	auf Stahl
on steel	on steel	on steel	on steel
bundig in Stahl	bundig in Stahl	bundig in Stahl	bundig in Stahl
Flush in steel	Flush in steel	Flush in steel	Flush in steel

passende Datenträger
 Appropriate data carriers
 Schreibabstand in mm

Write 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
Leseabstand in mm												
Read distance in mm												
Versatz in mm bei Abstand von	0 ±13			±15	±15	±15	±20	±20	±20	±6	±6	±5
Offset in mm at distance	3 ±13			±15	±15	±15	±20	±20	±20	±6	±7	±4
	4 ±13			±15	±15	±15	±20	±20	±20	±6	±6	±3
	8 ±13	±8	±6	±15	±10	±10	±20	±15	±8	±6	±5	
	10 ±13	±8	±6	±15	±10	±10	±20	±15	±8	±6		
	12 ±13	±8	±6	±15	±10	±10	±20	±15	±6	±6		
	15 ±13	±0	±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	±0			
	30 ±13			±15			±20					
	35			±15			±20					
	40						±20					
	45											
	50											
	55											
	60											
	70											