



1) Sensing surface, 2) Clear zone, 3) Locking screw, 4) Module unit, 5) Mounting base, 6) Power, 7) Tag present, 8) standard length



### Basic features

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

### Electrical data

Control input	2 (optocoupler isolated)
Control output	10 PNP
Control voltage active	17...27 V
Control voltage inactive	0...6 V
Current consumption max. at 24 V DC	50 mA
Input current max. at 24 V	3 mA
Operating voltage $U_b$	19.2...26.4 VDC
Residual ripple max.	included

### Display/Operation

Overflow	Yellow LED, flashes
Power (ON)	Green LED
Tag Present (TP)	LED yellow

### Electrical connection

Connection	(Supply voltage/10 outputs, 2 inputs: BIS L-503-xx)
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LF (125 kHz)  
BIS L-405-033-001-05-MU  
Order Code: BIS00CM

# BALLUFF

## 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, installed
Relative humidity	0...90 %, non-condensing
Storage temperature	-20...85 °C

## Interface

Interface	parallel
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## Material

Housing material	PBT
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## Mechanical data

Application weight	170.00 g
Dimension	40 x 41 x 120 mm
Installation	metal-free (clear zone)

## Remarks

Part number with 5m cable: BIS L-503-PU1-05  
For basic equipment order mounting base with cable also.  
Only together with mounting base BIS L-503-PU1-xx  
Sensing face can be steplessly rotated (range 270°) and fixed with set screw  
Values are under rated conditions unless otherwise specified.  
Replacement of the MU (module unit) without disassembling the mounting base with cable  
For installation in metal: Observe clear zone.  
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 L-40x-XXX-001-\_\_

### Read Only

	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		
passende Datenträger Appropriate data carriers	metalfrei non metal	metalfrei non metal	metalfrei non metal	metalfrei non metal		
Schreibabstand in mm Write distance in mm						
Leseabstand in mm Read distance in mm	0-30	0-40	0-55	0-20		
Versatz in mm bei Abstand von	±15	±20	±30	±10		
	3	±20	±30	±10		
	7	±20	±30	±10		
	8	±20	±30	±10		
	10	±20	±30	±10		
	12	±20	±30	±10		
	15	±20	±30	±10		
	18	±20	±30	±10		
	20	±20	±30			
	25	±20	±30			
	30	±20	±30			
	35	±20	±30			
	40	±20	±30			
	45	±20	±30			
	50					
	55					
	60					
	70					