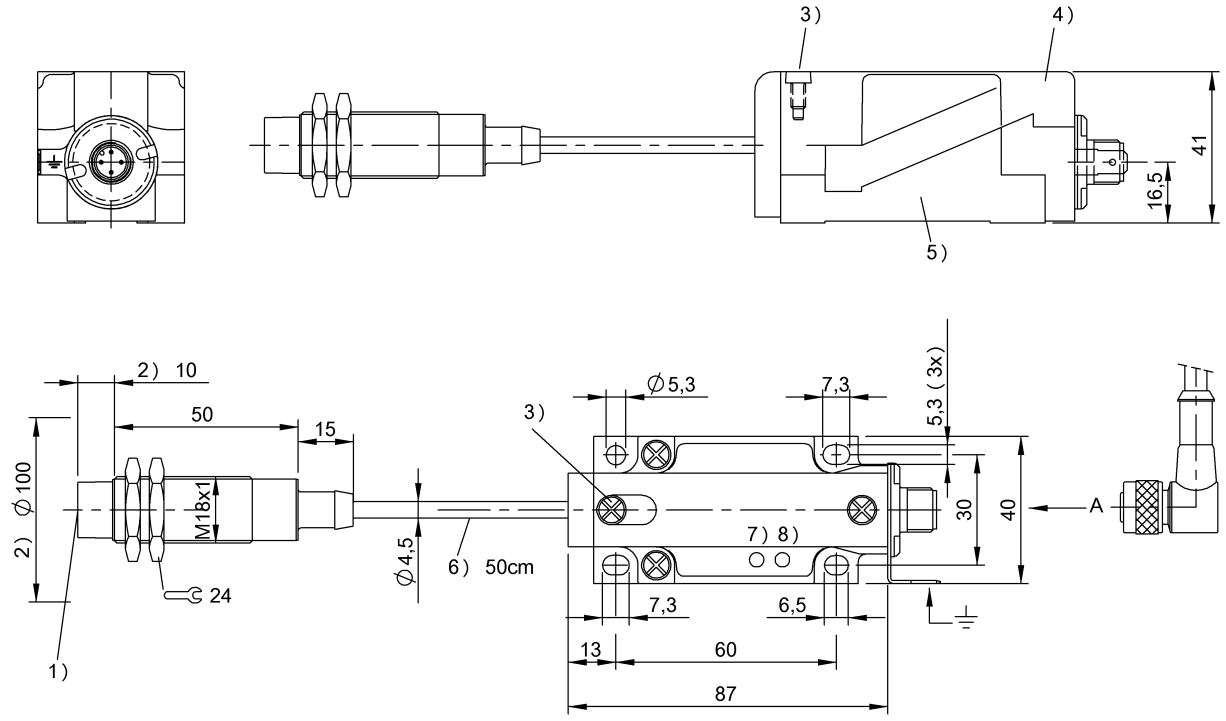
LF (125 kHz)

BIS L-409-045-002-07-S4
Order Code: BIS00E0



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

Basic features

Antenna type	round
Approval/Conformity	CE UKCA cULus WEEE
Principle of operation	Read head

Display/Operation

Power (ON)	Green LED
Tag Present (TP)	LED yellow

Electrical connection

Cable length L	0.5 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Connector, 0.50 m, PU

Electrical data

Current consumption max. at 24 V DC	150 mA
Current load capacity in SIO-mode	≤ 50 mA Output short circuit protected
Operating voltage Ub	18...30 VDC
Residual ripple max.	1.3 Vpp

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

LF (125 kHz)

BIS L-409-045-002-07-S4
Order Code: BIS00E0

IO-Link

IO-Link Profil IDs	N/A

Interface

Interface	IO-Link
Process data IN	8 bytes

Material

Housing material	Brass, Interface PBT, nickel-plated
Housing material, surface protection	nickel-plated
Material jacket	PU

Mechanical data

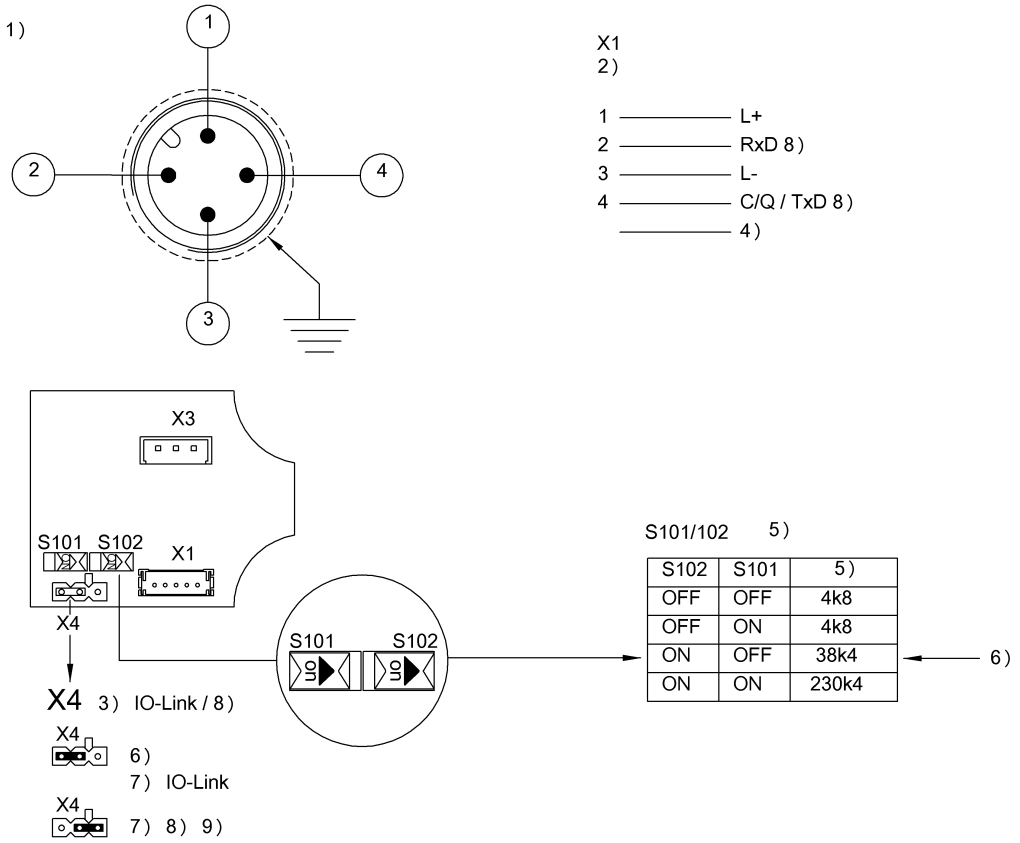
Application weight	200.00 g
Dimension	Ø 18 x 75 mm
Installation	metal-free (clear zone)
Size	M18x1

Remarks

For basic equipment see IO-Link catalog.
When installing, the technical standards and regulations of the corresponding countries must be observed.
Use included nuts for installation.
Values are under rated conditions unless otherwise specified.
Order accessories separately.
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-409-045-002-07-S4
Order Code: BIS00E0



1) View towards connector
2) Connector 4-pin/ Function
3) Operating mode
4) Shield
5) Baud rate
6) Factory default setting
7) JP operating mode
8) Service
9) (Only for Balluff Service)

BALLUFF

BIS L-40x-xxx-002-__

Read Only

passende Datenträger Appropriate data carriers		BIS L-200-03/L BIS L-100-05/L-RO metallfrei: non metal	BIS L-201-03/L BIS L-101-05/L-RO metallfrei: non metal	BIS L-203-03/L BIS L-103-05/L-RO metallfrei: non metal			
Schreibabstand in mm Write distance in mm							
Leseabstand in mm Read distance in mm		0-23	0-27	0-16			
Versatz in mm bei Abstand von	0	±12	±15	±8			
	3	±12	±15	±8			
	7	±12	±15	±8			
Offset in mm at distance	8	±12	±15	±8			
	10	±12	±15	±8			
	12	±12	±15	±4			
	15	±12	±15	±4			
	18		±15				
	20		±15				
	25		±6				
	30						
	35						
	40						
	45						
	50						
	55						
	60						
	70						