

1) Sensing surface, 2) Clear zone, 3) Cable length see text, 4) LED (Power), 5) LED (CP), 6) Tightening torque



### Basic features

Antenna type	round
Approval/Conformity	CE cULus WEEE

### Display/Operation

Function indicator	Operating, LED yellow flashing CP (Code tag present), LED yellow Power (ON), LED green
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### Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	5.40 mm
Cable length L	0.5 m, Drag chain compatible
Cable, bending cycles min.	2 million
Connection	Male, 4-pin
Connection type	0.50 m, PU

### Electrical data

EN 300330-1	Power Class 5
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### Environmental conditions

Ambient temperature	0...70 °C
Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-50...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

### Functional Characteristics

Supported data carrier types	DIN ISO 14443 DIN ISO 15693
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HF (13.56 MHz)  
**BIS VM-307-001-S4**  
Order Code: BIS00T8

# BALLUFF

## Material

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

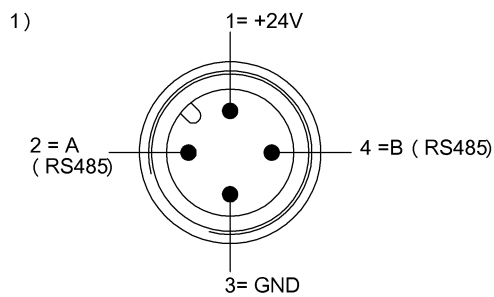
## Mechanical data

Application weight	180.00 g
Dimension	Ø 18 x 46.5 mm
Installation	metal-free (clear zone)
Size	M18x1

## Remarks

For basic equipment: Accessories see [www.balluff.com](http://www.balluff.com)  
Values are under rated conditions unless otherwise specified.  
Use included nuts and fastening clamps for installation.  
For installation in metal: Observe clear zone.  
Only together with BIS V-61xx

## Connector Drawings

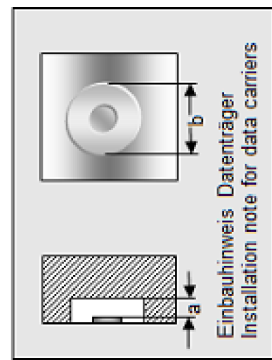


1 ) View towards connector

## Help Views

## BIS VM-307

	BIS M-130-07/L	BIS M-140-02/A- XX	BIS M-142-02/A- XX	BIS M-143-02/A- XX	BIS M-144-02/A- XX
passende Datenträger Appropriate data carriers					
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>10 >0	>0	>0	>0	>0
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>60 >60	>100	>100	>100	>100
Schreibabstand in mm Write distance in mm	0-10 0-8	0-16	0-16	0-12	0-16
Leseabstand in mm Read distance in mm	0-10 0-8	0-16	0-16	0-12	0-16
Versatz in mm bei Abstand von	0 ±7 ±5	±9	±9	±7	±9
	5 ±7 ±5	±9	±9	±7	±9
	7 ±6 ±4	±9	±9	±6	±9
	8 ±6 ±2	±9	±9	±6	±9
Offset in mm at distance	10 ±3	±8	±8	±6	±8
	12	±8	±8	±3	±8
	14	±8	±8		±8
	16	±3	±3		±3
	20				
	25				
	30				
	32				
	35				
	40				
	43				
	45				
	50				
	52				
	60				
	65				
	70				



**BIS VM-307-**

	BIS M-105-01/L	BIS M-105-02/L	BIS M-110-02/L	BIS M-122-01/A	BIS M-122-02/A
passende Datenträger Appropriate data carriers					
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>10 >0	>10 >0	>25 >0	>10 >0	>10 >0
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>60 >0	>60 >0	>80 >0	>60 >0	>60 >0
Schreibabstand in mm Write distance in mm	0-6 0-4	0-8 0-6	0-13	0-5 0-4	0-7 0-5
Leseabstand in mm Read distance in mm	0-6 0-4	0-8 0-6	0-13	0-5 0-4	0-7 0-5
Versatz in mm bei Abstand von	±3 ±3 0 ±2 ±4 ±4 ±4 ±2 ±2	±4 ±4 ±4 ±2 ±4 ±2 ±4	±6 ±6 ±6 ±4	±3 ±3 ±2	±4 ±3 ±3 ±2
Offset in mm at distance					
	0				
	5				
	9				
	12				
	15				
	16				
	18				
	20				
	22				
	25				
	30				
	35				
	40				
	45				
	50				
	60				
	70				
	80				
	90				

