

1) Sensing surface, 2) Clear zone, 3) Clear zone surrounding



**Basic features**

Antenna type	round
Approval/Conformity	CE WEEE
Principle of operation	Antenna

**Electrical connection**

Connection	RCA
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**Electrical data**

Antenna gain	-36.6 dBi
Antenna impedance	50 Ohm
Working frequency	13.56 MHz

**Environmental conditions**

Altitude max.	2000 m
Ambient temperature	-20...50 °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	IP65
Relative humidity	0...90 %, non-condensing
Storage temperature	-20...70 °C

**Functional Characteristics**

Supported data carrier types	DIN ISO 14443 DIN ISO 15693
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HF (13.56 MHz)  
**BIS M-371-000-A01**  
**Order Code: BIS00WM**

**BALLUFF**

**Functional safety**

MTTF (40 °C) 2010 a

**Material**

Housing material PA

**Mechanical data**

Application weight 290.00 g  
Dimension 113.4 x 42.4 x 118 mm  
Installation metal-free (clear zone)

**Remarks**

Values are under rated conditions unless otherwise specified.

Only together with BIS M-62x or BIS VM-920x.

When using BIS VM-920 (BIS014N) + connection cable (BIS00WJ): Maximum read/write distance reduced by 10%.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Help Views**



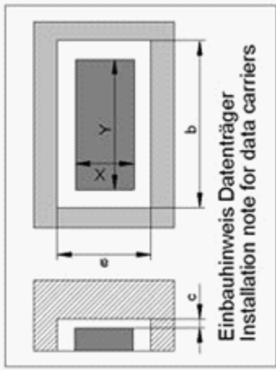






**BIS M-371-000-A01**

	BIS M-136-03/L	BIS M-115-03/A
passende Datenträger Appropriate data carriers		
Freizone Datenträger in mm ( a ) Data carrier clear zone in mm	>250	>230
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>330	>270
Abstand Datenträger zu Metall in mm ( c ) Data carrier distance to metal in mm	>40	>40
Schreibabstand in mm Write distance in mm	15-210	0-85
Leseabstand in mm Read distance in mm	15-210	0-85
Versatz in mm bei Abstand von	X Y	X Y
	25 ±75 ±75	±40 ±40
	50 ±75 ±75	±40 ±40
	70 ±75 ±75	±40 ±40
	85 ±75 ±75	±25 ±25
	100 ±75 ±75	
	140 ±75 ±75	
	175 ±75 ±75	
	200 ±75 ±75	
	210 ±25 ±25	
Offset in mm at distance		



\* nur in Verbindung mit BIS VM-920