

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
------------	-----

Electrical data

Antenna gain	-26.3 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
------------------------------	--------------------------------------

HF (13.56 MHz)
BIS M-372-000-A01
Order Code: BIS00WL

BALLUFF

Functional safety

MTTF (40 °C) 2010 a

Material

Housing material PA

Mechanical data

Application weight 520.00 g
Dimension 200 x 42.4 x 218 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%.

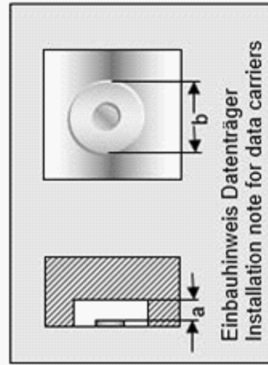
For more information about MTTF and B10d see MTTF / B10d Certificate

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-372-000-A01

	BIS M-142-02/A- XX *	BIS M-142-20/A- XX *
passende Datenträger Appropriate data carriers		
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm	>0	>0
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>420	>420
Schreibabstand in mm Write distance in mm	0-65	0-65
Leseabstand in mm Read distance in mm	0-65	0-65
Versatz in mm bei Abstand von	0 ±50	0 ±50
	20 ±50	±50
	37 ±50	±50
	65 ±30	±30
	80	
	100	
	115	
Offset in mm at distance		



* nur in Verbindung mit BIS VM-920

BIS M-372-000-A01

BIS M-136-03/L				
>450				
>530				
>45				

passende Datenträger	
Appropriate data carriers	
Freizone Datenträger in mm (a)	
Data carrier clear zone in mm	
Freizone Datenträger in mm (b)	
Data carrier clear zone in mm	
Abstand Datenträger zu Metall in mm (c)	
Data carrier distance to metal in mm	

Schreibabstand in mm	0-350
Write distance in mm	0-350
Lesabstand in mm	
Read distance in mm	

Versatz in mm bei Abstand von	0	50	100	115	190	200	250	300	350
Offset in mm at distance	±100	±100	±100	±100	±100	±100	±100	±100	±50

