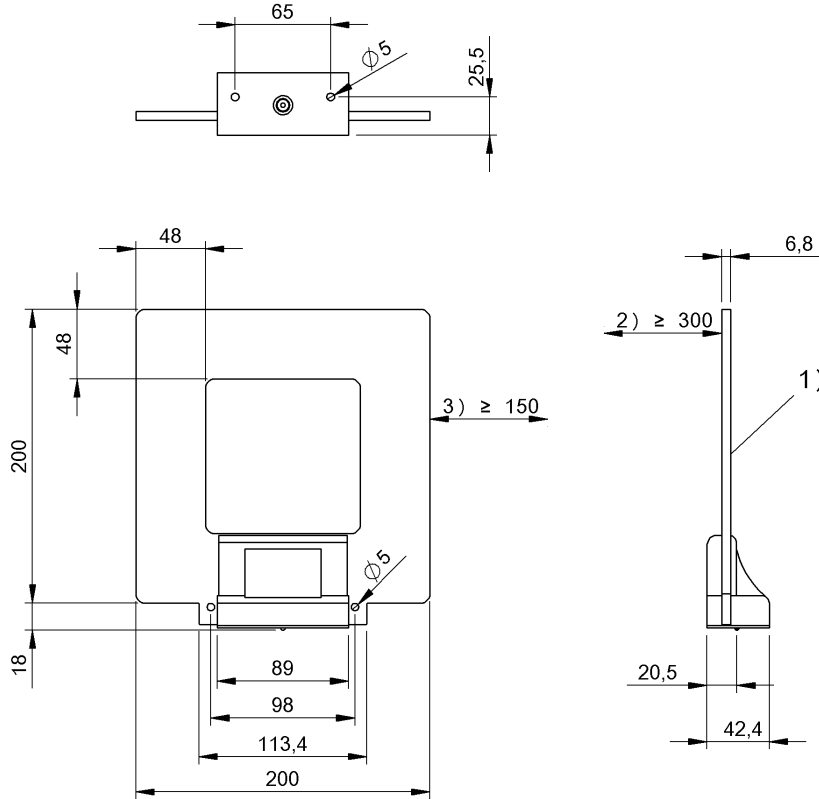


HF (13.56 MHz)
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1) Sensing surface 2) Clear zone 3) Clear zone surrounding



Electrical connection

Connection RCA

Electrical data

Antenna gain -26.3 dBi
 Antenna impedance 50 Ohm
 EN 300330-1 Power Class 5
 Working frequency 13.56 MHz

Environmental conditions

Ambient temperature -20...50 °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 IP65
 Storage temperature -20...70 °C

Functional safety

MTTF (40 °C) 2010 a

General data

Antenna type Block
 Approval/Conformity CE

Material

Housing material PA

Mechanical data

Application weight 520.00 g
 Dimension 200 x 42.4 x 218 mm
 Installation Observe 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

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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.

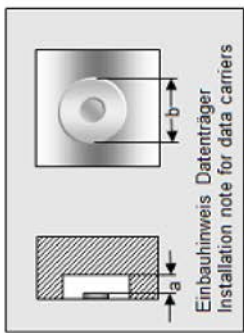
HF (13.56 MHz)

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BIS M-372-000-A01

	BIS M-108-02/L	BIS M-108-20/A	BIS M-110-02/L	BIS M-111-02/L	BIS M-112-02/L
passende Datenträger					
Appropriate data carriers					
Abstand Datenträger zu Metall in mm (a)					
Data carrier distance to metal in mm	>45	>45	>45	>45	>45
Freizone Datenträger in mm (b)					
Data carrier clear zone in mm	>430	>430	>420	>430	>450
Schreibabstand in mm					
Write distance in mm	0-160	0-150	0-115	0-175	0-235
Lesabstand in mm					
Read distance in mm	0-160	0-150	0-115	0-175	0-235
Versatz in mm	±75	±75	±50	±75	±75
bei Abstand von	25 ±75	±75	±50	±75	±75
	50 ±75	±75	±50	±75	±75
	80 ±75	±75	±50	±75	±75
	100 ±75	±75	±50	±75	±75
	115 ±75	±75	±30	±75	±75
	135 ±75	±75		±75	±75
	150 ±75	±50		±75	±75
	160 ±50			±75	±75
	175			±50	±75
	200				±75
	235				±50
Offset in mm					
at distance					



Einbauhinweis Datenträger
Installation note for data carriers

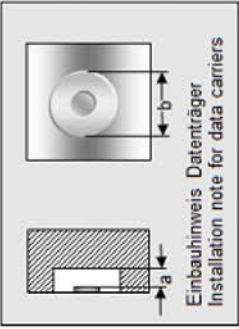
HF (13.56 MHz)

BIS M-372-000-A01

Ordercode: BIS00WL

BIS M-372-000-A01

	BIS M-132-03/L	BIS M-132-03/L- HT	BIS M-132-10/L- HT	BIS M-133-02/A
passende Datenträger				
Appropriate data carriers				
Abstand Datenträger zu Metall in mm (a)	>45	>45	>45	>45
Data carrier distance to metal in mm	>45	>45	>45	>45
Freizone Datenträger in mm (b)	>430	>430	>430	>430
Data carrier clear zone in mm	>430	>430	>430	>430
Schreibabstand in mm	0-160	0-145	0-30	0-115
Write distance in mm	0-160	0-145	0-30	0-115
Leseabstand in mm	0-160	0-145	0-30	0-115
Read distance in mm	0-160	0-145	0-30	0-115
Versatz in mm	±100	±100	±50	±75
bei Abstand von	20 ±100	±100	±50	±75
	30 ±100	±100	±30	±75
	40 ±100	±100		±75
	60 ±100	±100		±75
	90 ±100	±100		±75
	115 ±50	±50		±50
	130 ±50	±50		
	145 ±50	±25		
	160 ±25			



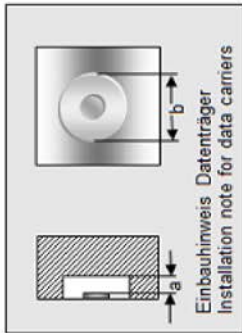
HF (13.56 MHz)

BIS M-372-000-A01

Ordercode: BIS00WL

BIS M-372-000-A01

	BIS M-135-02/L	BIS M-135-03/L	BIS M-135-03/L- HT	BIS M-135-07/L- HT	
passende Datenträger					
Appropriate data carriers					
Abstand Datenträger zu Metall in mm (a)	>45	>45	>45	>45	
Data carrier distance to metal in mm					
Freizone Datenträger in mm (b)	>450	>450	>450	>450	
Data carrier clear zone in mm					
Schreibabstand in mm	0-230	0-300	0-300	0-190	
Write distance in mm					
Leseabstand in mm	0-230	0-300	0-300	0-190	
Read distance in mm					
Versatz in mm	±100	±100	±100	±100	
bei Abstand von	50	±100	±100	±100	
	100	±100	±100	±100	
	150	±100	±100	±100	
	190	±100	±100	±100	
	230	±50	±100	±50	
	250	±100	±100	±100	
	300	±50	±50		
Offset in mm					
at distance					



BIS M-372-000-A01

	BIS M-136-03/L				
passende Datenträger					
Appropriate data carriers					
Freizone Datenträger in mm (a)					
Data carrier clear zone in mm	>450				
Freizone Datenträger in mm (b)					
Data carrier clear zone in mm	>530				
Abstand Datenträger zu Metall in mm (c)					
Data carrier distance to metal in mm	>45				
Schreibabstand in mm	0-350				
Write distance in mm					
Leseabstand in mm	0-350				
Read distance in mm					
Versatz in mm					
bei Abstand von					
	X	Y			
	0	±100	±100		
	50	±100	±100		
	100	±100	±100		
	115	±100	±100		
	190	±100	±100		
	200	±100	±100		
	250	±100	±100		
	300	±100	±100		
	350	±50	±50		
Offset in mm					
at distance					

