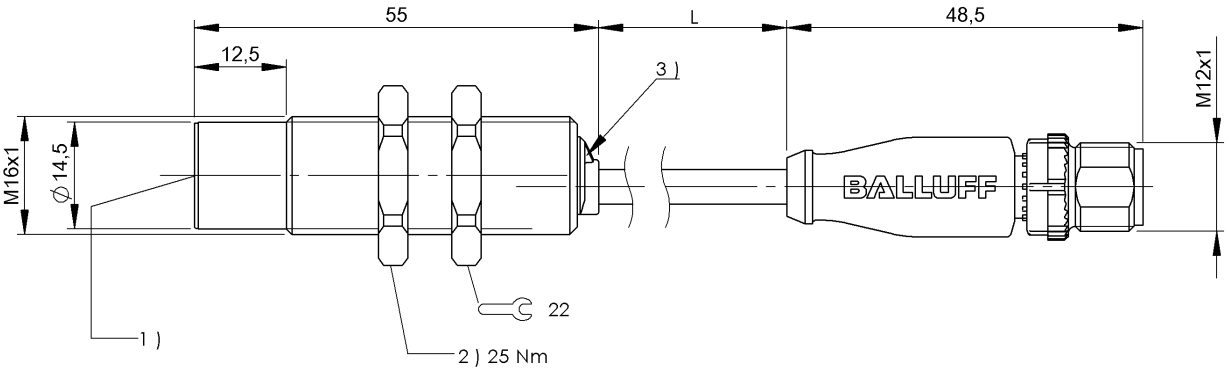
HF (13.56 MHz)

BIS VM-346-401-S4
Order Code: BIS0140



1) Sensing surface, 2) Tightening torque, 3) Function indicator

Basic features

Antenna type	round
Approval/Conformity	CE cULus FCC IC EAC WEEE

Display/Operation

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

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.70 mm
Cable length L	0.3 m
Cable, bending cycles min.	2 million
Connection type	0.30 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
IP rating	IP67
Storage temperature	-20...85 °C

Functional Characteristics

Supported data carrier types	DIN ISO 15693 DIN ISO 15693 (High Memory)

Remarks

For basic equipment: Accessories see www.balluff.com
Only for data carriers acc. to ISO 15693.
Use included nuts for installation.
Values are under rated conditions unless otherwise specified.
Only together with BIS V-61xx

Material

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

Mechanical data

Application weight	90.00 g
Dimension	Ø 16 x 55 mm
Installation	metal-free (clear zone) on metal flush in metal
Size	M16x1

Help Views

BIS VM-346-401-S4
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BALLUFF

BIS VM-346-401

passende Datenträger Appropriate data carriers	BIS M-105-02/A				BIS M-116-03/A BIS M-116-08/A	BIS M-122-02/A			BIS M-130-03/L			BIS M-130-07/L		
Abstand Datenträger zu Metall in mm (**a**)														
Data carrier distance to metal in mm	>50	>0	>0		>50	>50	>0	>0	>50	>0	>0	>50	>0	>0
Freizone Datenträger in mm (**b**)														
Data carrier clear zone in mm	>200	>200	>0		>200	>200	>200	>0	>200	>200	>0	>200	>200	>0
Schreibabstand in mm														
Write distance in mm	0-5.5	0-5	0-4		0-3.5	0-5	0-4.5	0-3.5	0-6.5	0-6	0-3	0-5	0-5	0-2.5
Leseabstand in mm														
Read distance in mm	0-5.5	0-5	0-4		0-3.5	0-5	0-4.5	0-3.5	0-6.5	0-6	0-3	0-5	0-5	0-2.5
Versatz in mm	0	±3.5	±3	±2.5			±3.5	±3	±2.5	±4	±3.5	±3	±3	±3	±2.5
bei Abstand von	1	±3.5	±3	±2.5			±3.5	±3	±2.5	±4	±3.5	±3	±3	±3	±2.5
	2	±3.5	±3	±2.5			±3.5	±3	±2.5	±4	±3.5	±2	±3	±3	±2
Offset in mm	2.5	±3	±2.5	±2	±2		±3	±2.5	±2	±3	±3	±1	±2.5	±2.5	±1
at distance	3	±3	±2.5	±2	±2		±3	±2.5	±1	±3	±3	±1	±2.5	±2.5	
	3.5	±3	±2.5	±1	±1		±3	±2.5	±1	±3	±3		±2.5	±2.5	
	4	±3	±2.5	±1			±3	±1.5		±3	±3		±2	±2	
	4.5	±2	±1.5				±2	±1.5		±3	±3		±1	±1	
	5	±2	±1.5				±2			±3	±3		±1	±1	
	5.5	±2								±2	±2				
	6									±2	±2				
	6.5									±2					
	7														
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														

Einbauhinweis Datenträger
Installation note for data carriers

BIS VM-346-401

passende Datenträger Appropriate data carriers	BIS M-107-03/L-H200		BIS M-142-02/A BIS M-142-20/A	BIS M-142-1x/A	BIS M-143-02/A
Abstand Datenträger zu Metall in mm (**a**)					
Data carrier distance to metal in mm	>25	>0	>0	>0	>0
Freizone Datenträger in mm (**b**)					
Data carrier clear zone in mm	>100	>100	>100	>100	>100
Schreibabstand in mm					
Write distance in mm	0-7	0-7.5	0-7.5	0-5	0-7.5
Leseabstand in mm					
Read distance in mm	0-7	0-7.5	0-7.5	0-5	0-7.5
Versatz in mm	0 ±4	±5	±5	±4	±5
bei Abstand von	2 ±4	±5	±5	±4	±5
	4 ±3.5	±5	±5	±4	±4.5
Offset in mm	5 ±3.5	±4	±4	±2	±4
at distance	6 ±2	±4	±2.5		±4
	7 ±2	±2.5	±2.5		±2
	7.5				±2
	10				
	14				
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