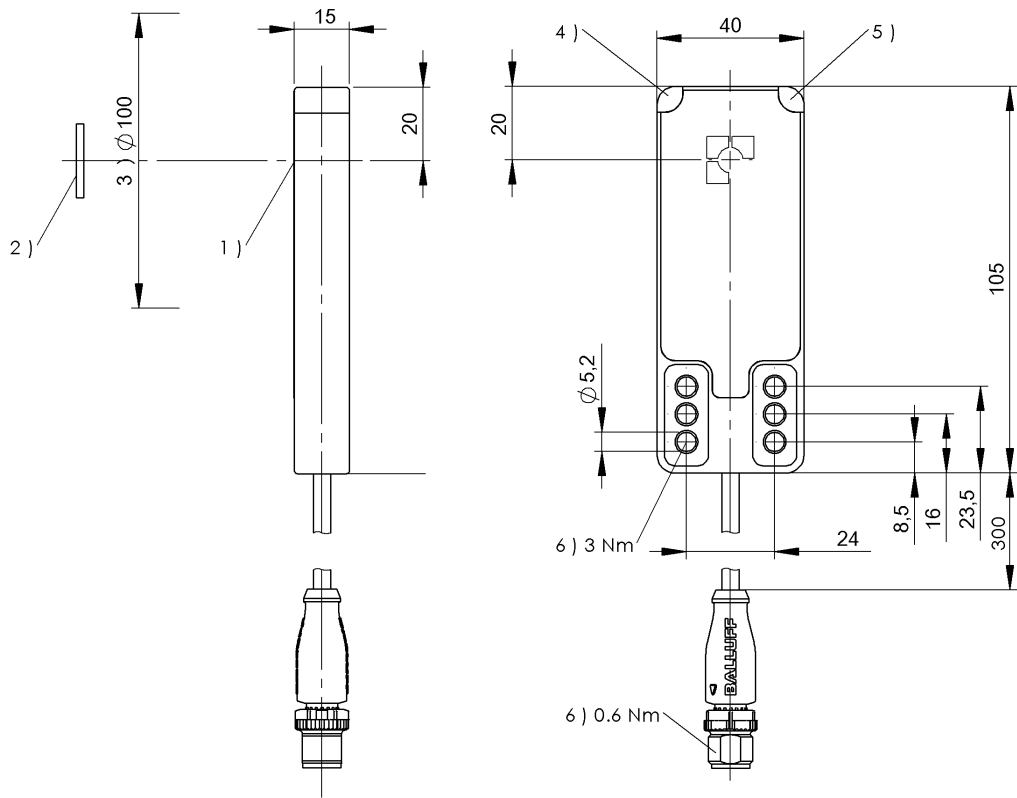




1) Sensing surface, 2) Data carrier, 3) Clear zone, 4) LED (Power), 5) LED (CP), 6) Tightening torque



Basic features

Antenna type	round
Approval/Conformity	CE cULus FCC IC EAC WEEE
Principle of operation	Read/write head

Display/Operation

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

Electrical connection

Connection	Male, 4-pin
------------	-------------

Electrical data

EN 300330-1	Power Class 5
-------------	---------------

Environmental conditions

Ambient temperature	0...70 °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)
------------------------------	---

HF (13.56 MHz)
BIS VM-345-401-S4
Order Code: BIS0133

BALLUFF

Material

Housing material Zinc, Die casting, nickel plated
Housing material, surface protection nickel-plated

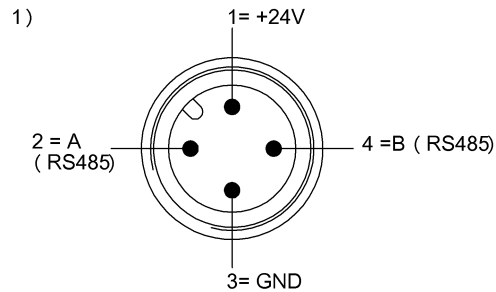
Mechanical data

Application weight 360.00 g
Dimension 40 x 15 x 105 mm
Installation metal-free (clear zone)

Remarks

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

Connector Drawings

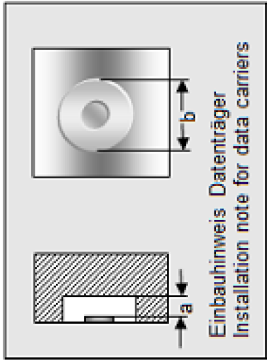


1) View towards connector

Help Views

BIS VM-345-401

passende Datenträger Appropriate data carriers	BIS M-108-02/L BIS M-108-20/A	BIS M-108-1x/A	BIS M-122-02/A	BIS M-132-03/L- HT	BIS M-135-03/L- HT
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm	>50 >0 >0	>50 >0 >0	>10 >0	>25	>50
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>200 >200 >0	>200 >200 >0	>60 >60	>100	>200
Schreibabstand in mm Write distance in mm	0-28	0-18	0-11 0-9	0-34	0-52
Leseabstand in mm Read distance in mm	0-28	0-18	0-11 0-9	0-34	0-52
Versatz in mm bei Abstand von	0 ±16 4 ±16 8 ±16 9 ±16 10 ±16 11 ±14 15 ±14 18 ±14 22 ±12 25 ±12 28 ±9 32 35 40 42 45 48 50 52 65 70	±14 ±14 ±14 ±14 ±14 ±11 ±11 ±5	±8 ±8 ±8 ±8 ±7 ±6 ±7 ±4 ±7 ±4	±20 ±20 ±20 ±20 ±20 ±18 ±18 ±18 ±15 ±15 ±15 ±8	±30 ±30 ±30 ±30 ±30 ±30 ±30 ±28 ±28 ±28 ±28 ±28 ±24 ±24 ±24 ±24 ±10
Offset in mm at distance					



BIS VM-345-401

passende Datenträger Appropriate data carriers	BIS M-110-02/L	BIS M-111-02/L	BIS M-112-02/L
Abstand Datenträger zu Metall in mm (a) Data carrier distance to metal in mm	>50 >0	>50	>50
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>200 >200	>200	>200
Schreibabstand in mm Write distance in mm	0-22 0-5	0-28	0-45
Leseabstand in mm Read distance in mm	0-22 0-5	0-28	0-45
Versatz in mm bei Abstand von	0 ±14 ±7 4 ±14 ±6 5 ±14 ±3 10 ±14 15 ±12 18 ±10 20 ±10 22 ±6 24 28 30 31 35 40 43 45 48 52 60 65 70	±16 ±16 ±16 ±16 ±14 ±14 ±14 ±12 ±12 ±9	±26 ±26 ±26 ±26 ±26 ±26 ±24 ±24 ±24 ±24 ±15 ±15
Offset in mm at distance			

Einbauhinweis Datenträger
Installation note for data carriers

BIS VM-345-401

passende Datenträger Appropriate data carriers	BIS M-142-02/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					
Freizone Datenträger in mm (b) Data carrier clear zone in mm					
Schreibabstand in mm Write distance in mm	0-22	0-10	0-16		
Leseabstand in mm Read distance in mm	0-22	0-10	0-16		
Versatz in mm bei Abstand von	0 ±13	±10	±10		
	5 ±13	±8	±10		
	10 ±13	±4	±9		
	13 ±10		±8		
	16 ±10		±4		
	18 ±10				
	20 ±10				
	22 ±6				
	24				
	28				
	30				
	31				
	35				
	40				
	43				
	45				
	48				
	52				
	60				
	65				
	70				

