

1) Sensing surface, 2) Clear zone, 3) Cable length see text, 4) Tightening torque, 5) LED (Power), 6) LED (CP), 7) Mounting on steel



Basic features

Antenna type	Rod
Approval/Conformity	CE UL-FILE E227256, Vol.X1, BIS WEEE EAC
Principle of operation	Read/write head

Display/Operation

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

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	5.40 mm
Cable length L	0.5 m, Drag chain compatible
Cable, bending cycles min.	2 million
Connection	Male, 4-pin
Connection type	0.50 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
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Material

Housing material	ABS, GF16, Interface aluminum
Jacket material	PU

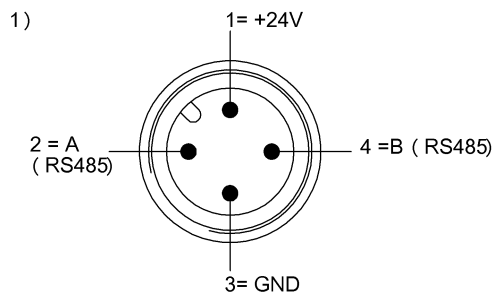
Mechanical data

Application weight	180.00 g
Dimension	25 x 10 x 50 mm
Installation	metal-free (clear zone)

Remarks

Read/write distances apply only for mounting of the read/write head on steel.
For basic equipment: Accessories see www.balluff.com
Use included fastening clamps for installation.
Values are under rated conditions unless otherwise specified.
For installation in metal: Observe clear zone.
Only for data carriers acc. to ISO 15693.
Only together with BAM01MY.
Only together with BIS V-6xxx

Connector Drawings



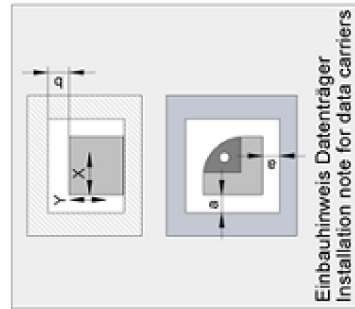
1) View towards connector

Help Views

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passende Datenträger Appropriate data carriers	BIS M-191-02/A				
Freizone Datenträger in mm (a) Data carrier clear zone in mm	>27	>27			
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>27	>27			

Schreibabstand in mm Write distance in mm	0-22	0-22			
Lesabstand in mm Read distance in mm	0-22	0-22			
Versatz in mm bei Abstand von Offset in mm at distance	X	Y			
	0	±25	±5		
	5	±25	±5		
	10	±25	±5		
	15	±25	±5		
	20	±15	±5		
	22	±15	±5		
	25				
	30				
	35				
	40				



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	BIS M-157-17/A	BIS M-152-03/A	BIS M-152-03/A	BIS M-158-03/A	BIS M-158-03/A
passende Datenträger Appropriate data carriers					
Freizone Datenträger in mm (a) Data carrier clear zone in mm	>200 >200	>200 >200	>200 >200	>200 >200	>200 >200
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>200 >200	>200 >200	>200 >200	>200 >200	>200 >200
Freizone Datenträger in mm (c) Data carrier clear zone in mm	>50 >50	>50 >50	>0 >0	>50 >50	>50 >50
Schreibabstand in mm Write distance in mm	0-17 0-17	0-17 0-17	0-20 0-20	0-14 0-14	0-14 0-14
Lesabstand in mm Read distance in mm	0-17 0-17	0-17 0-17	0-20 0-20	0-14 0-14	0-14 0-14
Versatz in mm bei Abstand von	X Y	X Y	X Y	X Y	X Y
	0 ±22 ±9	±22 ±10	±25 ±12	±17 ±9	±17 ±9
	5 ±22 ±9	±22 ±10	±25 ±12	±17 ±9	±17 ±9
	10 ±19 ±8	±20 ±9	±25 ±12	±15 ±7	±15 ±7
	15 ±12 ±6	±16 ±7	±22 ±10	±3 ±3	±3 ±3
	17 ±3 ±2	±5 ±3	±22 ±10		
	20		±8 ±4		
	25				
	30				
	35				
	40				
	45				
	50				
	55				
	60				
	65				
	70				
	75				

