



1) Active surface 2) Data carrier 3) Clear zone 4) LED (Power) 5) LED (TP)

- Round
- Clear zone



**General attributes**

Approvals / Conformity

Enclosure Type per IEC 60529  
Function indicator

UL-FILE E227256, Vol.X1, BIS  
CE  
IP67  
LED yellow  
TP (Tag present)  
LED green  
Power (ON)

**Electrical attributes**

EN300330-1  
EN301489-1/-3  
EN61000-4-2/3/4/5/6  
Read head connection

Power Class 5  
Class B  
Sev. Level 2A/2A/4B/2B/3A  
8-pole connector

**Mechanical attributes**

Ambient temperature Ta max.  
Ambient temperature Ta min.

70 °C  
0 °C

Antenna type  
Application weight  
Continuous shock load  
Drag chain compatible  
Free fall  
Height  
Housing material  
Installation type (steel)  
Length  
Storage temperature  
Width 1

Round  
360.00 g  
EN 60068 Part 2-29  
not relevant  
EN 60068 Part 2-32  
40.00 mm  
PBT  
Clear zone  
84.5 mm  
-20 °C ... +85 °C  
80.00 mm

**Additional text**

For installation in metal: Observe clear zone.  
Values are under rated conditions unless otherwise specified.  
Only for use with BIS M-6xxx  
Only for data carrier according to the standard ISO 15693.  
With basic equipment: See [www.balluff.com](http://www.balluff.com)

**BIS M-341-**\_\_\_\_\_

passende Datenträger Appropriate data carriers	BIS M-112-02/L	BIS M-108-02/L
Abstand Datenträger zu Metall in mm ( <b>a</b> ) Data carrier distance to metal in mm	>50	>50 >0
Freizone Datenträger in mm ( <b>b</b> ) Data carrier clear zone in mm	>200	>200 >0
Schreibabstand in mm Write distance in mm	35-90	20-60 0-50
Leseabstand in mm Read distance in mm	35-90	20-60 0-50
Versatz in mm bei Abstand von Offset in mm at distance	0 5 9 12 15 16 18 20 22 25 30 35 40 45 50 60 70 80 90	±30 ±30 ±30 ±30 ±30 ±30 ±30 ±30 ±30 ±30 ±35 ±35 ±35 ±35 ±30 ±30 ±30 ±30 ±30 ±40 ±40 ±20

Einbauhinweis Datenträger  
Installation note for data carriers

**BIS M-341-\_\_**

passende Datenträger Appropriate data carriers	BIS M-140-02/A- xx	BIS M-142-02/A- xx	BIS M-143-02/A- xx	BIS M-144-02/A- xx	
Abstand Datenträger zu Metall in mm ( <b>a</b> ) Data carrier distance to metal in mm	>0	>0	>0	>0	
Freizone Datenträger in mm ( <b>b</b> ) Data carrier clear zone in mm	>100	>100	>100	>100	
Schreibabstand in mm Write distance in mm	0-46	0-46	0-23	0-46	
Leseabstand in mm Read distance in mm	0-46	0-46	0-23	0-46	
Versatz in mm bei Abstand von	0 ±33 5 ±33 10 ±33 12 ±33 16 ±33 20 ±30 23 ±30 25 ±30 30 ±30 35 ±24 40 ±24 46 ±8 50 55 60 65 70 80 90	±33 ±33 ±33 ±33 ±33 ±30 ±30 ±30 ±24 ±24 ±8	±25 ±25 ±25 ±20 ±20 ±20 ±10	±33 ±33 ±33 ±33 ±30 ±30 ±30 ±24 ±24 ±8	
Offset in mm at distance					

