

1) 感應面, 2) LED (CP) , 3) LED (電源) , 4) 緩衝區, 5) 數據載體, 6) 擰緊力矩



**Basic features**

功能原理	讀寫頭
天線形狀	圓形
認證	CE UKCA FCC Part 15 IC (Radio) cULus WEEE MIC KC NBTC IMDA MCMC

**Electrical connection**

接口	插頭, 4 針
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**Environmental conditions**

Area of operation	Indoor
EN 60068-2-27, 衝擊	是
EN 60068-2-32, 自由落體	是
EN 60068-2-6, 振動	是
倉儲溫度	-20...85 °C
受污程度	2
持續衝擊作用	是
最大高度位置	2000 m
環境溫度	0...70 °C
相對空氣濕度	0 - 90 %, 不凝結
防護等級	IP67

**Display/Operation**

功能顯示	Power (AN) , LED 綠色 CP (代碼存在) , LED 黃色 運行, LED 黃色閃爍
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**Functional Characteristics**

支援的數據載體類型	DIN ISO 14443 DIN ISO 15693
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HF (13.56 MHz)  
BIS VM-300-001-S4  
訂購代碼: BIS00RF

# BALLUFF

## Material

外觀材質 黃銅, 黃銅加白青銅螺母, 塗層  
表面保護, 外觀材料 塗層

## Mechanical data

安裝 無金屬 (緩衝區)  
尺寸  $\varnothing 30 \times 70.5 \text{ mm}$   
應用重量 100.00 g  
結構尺寸 M30x1.5

## Remarks

在首次裝備時：附件參見 [www.balluff.com](http://www.balluff.com)

使用專為安裝而附帶的螺母。

在額定條件下，數值不得另行規定。

如安裝在金屬件內：注意緩衝區。

只能配合 BIS V-61xx 使用

This device is intended to be supplied by a UL-listed or CSA-certified power supply unit with "Class 2" or LPS power source.

The devices must be installed permanently.

1. Determine a suitable mounting position.

2. Fasten the device with suitable mounting material.

The device can be cleaned with a slightly damp cloth.

Regularly check the function of the device and all associated components through visual and functional tests.

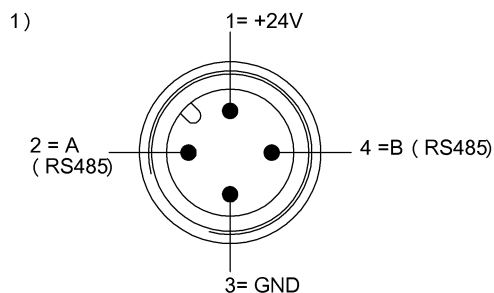
- Shut down the device in the event of malfunctions.

- Secure the system against unauthorized use.

- Check fastening and tighten if necessary.

The product is maintenance-free.

## Connector Drawings

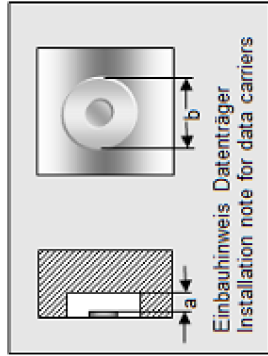


1) 視圖沿插接方向

## Help Views

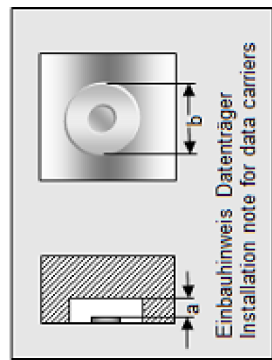
**BIS VM-300-**

passende Datenträger Appropriate data carriers	BIS M-101-01/L	BIS M-102-01/I	BIS M-105-01/A	BIS M-105-02/A	BIS M-108-02/L
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>25	>15	>20	>20	>25
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>100	>150	>100	>100	>100
Schreibabstand in mm Write distance in mm	0-22	0-32	0-9	0-11	0-30
Lesabstand in mm Read distance in mm	0-22	0-32	0-9	0-11	0-30
Versatz in mm bei Abstand von Offset in mm at distance	±15 ±15 9 12 15 16 18 20 22 25 30 32 35 40 43	±12 ±12 ±10 ±8 ±8 ±12 ±6 ±12 ±4 ±14 ±10 ±4 ±14 ±10 ±4	±8 ±8 ±6 ±4 ±4 ±6 ±8 ±4 ±6 ±18 ±14 ±10 ±4	±7 ±7 ±2 ±1 ±3 ±5 ±6 ±6 ±16 ±16 ±16 ±14 ±14 ±10	±18 ±18 ±18 ±16 ±16 ±16 ±16 ±14 ±14 ±10
	0				
	5				
	9				
	12				
	15				
	16				
	18				
	20				
	22				
	25				
	30				
	32				
	35				
	40				
	43				
	45				
	50				
	52				
	60				
	65				
	70				



**BIS VM-300-\_\_\_**

	BIS M-110-02/L	BIS M-111-02/L	BIS M-112-02/L	BIS M-132-03/L-HT	BIS M-135-03/L-HT
passende Datenträger Appropriate data carriers					
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>25 >10 >5	>25 >10 >5	>50 >15 >10	>25 >0	>50
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>100 >60 >50	>100 >60 >50	>150 >90 >70	>100 >100	>150
Schreibabstand in mm Write distance in mm	0-22 0-16 0-10	0-28 0-18 0-10	0-44 0-25 0-15	0-30 0-8	0-42
Leseabstand in mm Read distance in mm	0-22 0-16 0-10	0-28 0-18 0-10	0-44 0-25 0-15	0-30 0-8	0-42
Versatz in mm bei Abstand von	0 ±14 ±8 ±7	±16 ±10 ±7	±25 ±18 ±15	±18 ±8	±30
	5 ±14 ±8 ±7	±16 ±10 ±7	±25 ±18 ±15	±18 ±6	±30
	8 ±12 ±6 ±2	±14 ±8 ±2	±25 ±16 ±12	±18 ±3	±30
	10 ±12 ±6 ±2	±14 ±8 ±2	±25 ±16 ±12	±18	±30
	12 ±12 ±5	±14 ±7	±24 ±15 ±10	±16	±28
	15 ±12 ±4	±14 ±6	±24 ±14 ±8	±16	±28
	16 ±10 ±2	±14 ±3	±24 ±12	±16	±28
	18 ±10	±14 ±2	±24 ±12	±16	±28
	20 ±10	±14	±24 ±10	±16	±28
	22 ±6	±12	±22 ±8	±16	±24
	25	±12	±22 ±6	±16	±24
	30		±22	±10	±24
	32		±16		±24
	35		±16		±24
	40		±16		±5
	42		±10		±5
	44		±5		
	50				
	60				
	65				
	70				



HF (13.56 MHz)

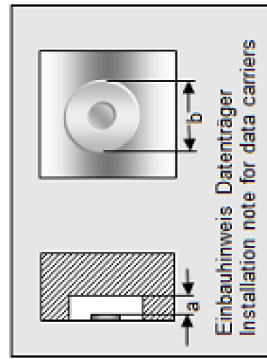
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**BIS VM-300-\_\_**

passende Datenträger Appropriate data carriers	BIS M-107-03/L- H200	BIS M-140-02/A- xxx	BIS M-142-02/A- xx	BIS M-143-02/A- xx	BIS M-144-02/A- xx
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	0-27	0-22	0-22	0-13	0-22
Leserabstand in mm Read distance in mm	0-27	0-22	0-22	0-13	0-22
Versatz in mm bei Abstand von	0 5 10 13 15 18	±16 ±16 ±16 ±14 ±14 ±14	±13 ±13 ±13 ±11 ±11 ±11	±13 ±13 ±13 ±9 ±5	±13 ±13 ±13 ±11 ±11 ±11
Offset in mm at distance	20 22 25 27 30 32 35 40 43 45 50 52 60 65 70	±14 ±12 ±12 ±5	±7 ±7	±7 ±7	±7 ±7



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**BIS VM-300-**\_\_\_\_\_

passende Datenträger Appropriate data carriers	BIS M-115-03/A							
Freizone Datenträger in mm ( a ) Data carrier clear zone in mm	>100							
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>140							
Abstand Datenträger zu Metall in mm ( c ) Data carrier distance to metal in mm	>25							
Schreibabstand in mm Write distance in mm	0-18	0-18						
Leseabstand in mm Read distance in mm	0-18	0-18						
Versatz in mm bei Abstand von		X	Y					
	0	±8	±14					
	5	±8	±14					
	7	±8	±14					
	10	±8	±14					
	15	±6	±14					
	18	±6	±10					
	20							
	25							
	30							
	35							
	40							
	45							

