

1) 感應面, 2) 數據載體, 3) 緩衝區, 4) 緩衝區, 環繞, 5) 擰緊力矩



### Basic features

EN 55011	組別 1, 等級 A
功能原理	讀寫器
天線形狀	圓形
認證	CE UKCA cULus WEEE

### Display/Operation

功能顯示	COM 區, LED 黃色 RF 欄位, LED 紅色 Power (AN), LED 綠色
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### Electrical connection

接口	(RS485) : M12x1 插頭, 5 針
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### Electrical data

24 V DC 時最大耗電量	400 mA
工作電壓 $U_b$	10 - 30 VDC
餘波, 最大	包含

### 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...70 °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	-20...50 °C
相對空氣濕度	0 - 90 %, 不凝結
防護等級	IP67

## Functional Characteristics

支援的數據載體類型	DIN ISO 14443 DIN ISO 15693
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## Interface

介面	Subnet 16 (RS485)
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## Material

外殼材質	PC, 含 PU 灌封膠
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## Mechanical data

安裝	無金屬 (緩衝區)
尺寸	75 x 24 x 105 mm
應用重量	200.00 g

## Remarks

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.

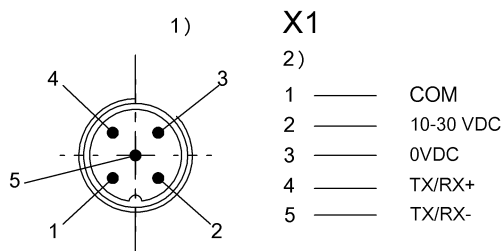
- Shut down the device in the event of malfunctions.

- Secure the system against unauthorized use.

- Check fastening and tighten if necessary.

The product is maintenance-free.

## Connector Drawings



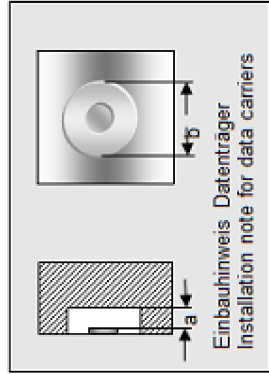
1) 視圖沿插接方向

2) 插頭, 5 針 / 功能

## Help Views

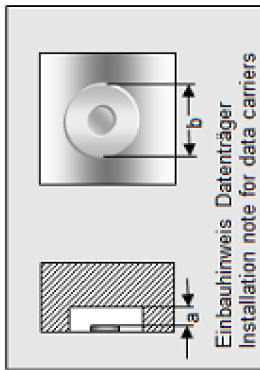
**BIS M-411-\_\_**

	BIS M-130-03/L	BIS M-130-07/L	BIS M-132-03/L	BIS M-132-03/L-HT
passende Datenträger Appropriate data carriers				
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>10	>10	>25	>25
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>60	>60	>100	>100
Schreibabstand in mm Write distance in mm	0-20	0-13	0-80	0-70
Lesabstand in mm Read distance in mm	0-20	0-13	0-80	0-70
Versatz in mm bei Abstand von	0 ±22 5 ±22 9 ±19 12 ±19 13 ±19 15 ±19 20 ±14 22 26 30 35 40 45 50 60 65 70 75 80 90 100	±22 ±22 ±20 ±12 ±5	±50 ±50 ±50 ±50 ±50 ±50 ±50 ±40 ±40 ±40 ±40 ±39 ±39 ±39 ±36 ±35 ±35 ±30 ±30 ±30 ±30	±42 ±42 ±42 ±42 ±42 ±42 ±42 ±39 ±39 ±39 ±39 ±36 ±36 ±36 ±28 ±28
Offset in mm at distance				



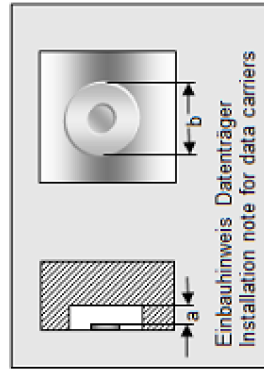
**BIS M-411-\_\_**

	BIS M-132-10/L	BIS M-132-10/L- HT	BIS M-133-02/A	BIS M-134-10/L	BIS M-134-10/L- HT
passende Datenträger Appropriate data carriers					
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>25	>25	>25	>50	>50
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>100	>100	>100	>150	>150
Schreibabstand in mm Write distance in mm	0-26	0-22	38-52	0-56	0-60
Leseabstand in mm Read distance in mm	0-26	0-22	38-52	0-56	0-60
Versatz in mm bei Abstand von	0 ±20	±20		±35	±32
	5 ±20	±20		±35	±32
	10 ±20	±20		±35	±32
	15 ±20	±20		±35	±32
	20 ±15	±15		±35	±32
	22 ±15	±10		±30	±30
	26 ±15			±30	±30
	30			±30	±30
	38			±30	±30
	40			±30	±30
	45			±30	±25
	50			±25	±25
	52			±25	±20
	56			±25	±20
	60				±20
	70				
	80				
	90				
	100				
	110				
	120				



**BIS M-411-\_\_**

	BIS M-135-02/L	BIS M-135-03/L	BIS M-135-03/L- HT	BIS M-135-07/L	BIS M-135-07/L- HT
passende Datenträger Appropriate data carriers					
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>50	>50	>50	>50	>50
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>150	>150	>150	>150	>150
Schreibabstand in mm Write distance in mm	0-100	0-110	0-125	11-95	11-75
Lesabstand in mm Read distance in mm	0-100	0-110	0-125	11-95	11-75
Versatz in mm bei Abstand von	0 ±50	±62	±65		
	5 ±50	±62	±65		
	11 ±50	±62	±65	±52	±50
	15 ±50	±62	±65	±52	±50
	20 ±50	±62	±65	±52	±50
	25 ±50	±62	±65	±52	±50
	30 ±50	±62	±65	±52	±50
	35 ±50	±58	±65	±48	±42
	40 ±50	±58	±65	±48	±42
	45 ±50	±58	±62	±48	±42
	50 ±50	±58	±62	±48	±42
	55 ±50	±58	±62	±48	±42
	60 ±50	±58	±62	±48	±35
	75 ±45	±52	±62	±44	±35
	85 ±45	±52	±58	±44	
	95 ±45	±52	±58	±40	
	100 ±45	±52	±58		
	110	±48	±58		
	120		±58		
	125		±50		
	130				



**BIS M-411-\_\_**

	BIS M-110-02/L	BIS M-111-02/L
passende Datenträger Appropriate data carriers		
Abstand Datenträger zu Metall in mm ( a ) Data carrier distance to metal in mm	>25	>25
Freizone Datenträger in mm ( b ) Data carrier clear zone in mm	>100	>100
Schreibabstand in mm Write distance in mm	0-45	0-67
Lesabstand in mm Read distance in mm	0-45	0-67
Versatz in mm bei Abstand von	0 ±30 5 ±30 10 ±30 15 ±28 20 ±28 25 ±28 30 ±28 35 ±25 40 ±25 45 ±10 50 55 60 67 70 75 80 85 90 95 100	±40 ±40 ±40 ±40 ±40 ±38 ±38 ±38 ±38 ±35 ±35 ±35 ±10
Offset in mm at distance		

