

1) 感應面, 2) 讀寫軸, 3) 緩衝區, 4) LED (電源), 5) LED (TP), 6) 數據載體, 在鋼製材料上, 7) 擰緊力矩



Basic features

EN 55022	Gr. 1, Cl. A
功能原理	處理器
天線形狀	桿式
認證	CE
	UKCA
	FCC Part 15
	IC (Radio)
	cULus
	WEEE
	MIC
	KC
	NBTC
	IMDA

Electrical connection

接口	M12x1 插頭, 4 針, A 編碼
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Electrical data

24 V DC 時最大耗電量	150 mA
傳輸率	COM2 (38.4 kBaud)
工作電壓 U_b	18 - 30 VDC 僅支援 LPS / 2 級
餘波, 最大	1.3 Vss

Display/Operation

功能顯示	電源 (AN)
	LED 綠色
	TP (標籤存在)
	LED 黃色

HF (13.56 MHz)
BIS M-451-045-001-07-S4
訂購代碼: BIS00LM

BALLUFF

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

Functional Characteristics

支援的數據載體類型	DIN ISO 15693
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IO-Link

IO-Link 設定檔 IDs	N/A
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Interface

介面	IO-Link 1.1
過程數據 IN	10 Byte

Material

外殼材質	PBT
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Mechanical data

安裝	無金屬 (緩衝區)
尺寸	80 x 40 x 84.5 mm
應用重量	380.00 g

Remarks

在首次裝備時, 參見 IO-Link 目錄。

在安裝時, 應注意相應國家的技術標準和規定。

在額定條件下, 數值不得另行規定。

附件單獨訂購。

如安裝在金屬件內: 注意緩衝區。

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.

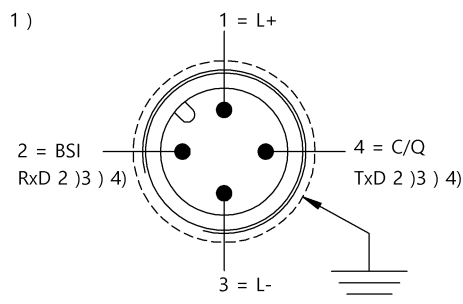
- Shut down the device in the event of malfunctions.

- 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) BSI service interface

3) Do not connect power

4) (Only for Balluff Service)

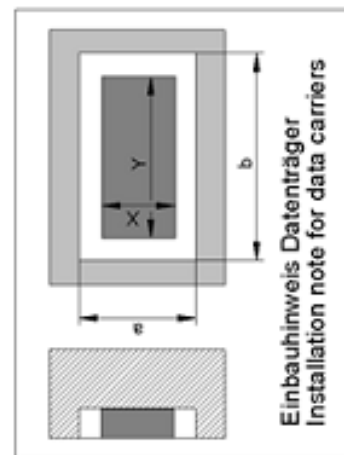
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Help Views

BIS M-451-___

	BIS M-150-02/A	BIS M-151-02/A	BIS M-150-02/A	BIS M-151-02/A
passende Datenträger Appropriate data carriers				
Freizone Datenträger in mm (a) Data carrier clear zone in mm	>200	>200	>200	>200
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>200	>200	>200	>200
Datenträger Metall-Montagefläche 40x22 Data carrier metal mounting surface 40x22	0-52	0-52	0-52	0-52
Datenträger Metall-Montagefläche ≥ 200x200 Data carrier metal mounting surface ≥ 200x200			0-65	0-65
Schreibabstand in mm Write distance in mm	0-52	0-52	0-65	0-65
Leseabstand in mm Read distance in mm	0-52	0-52	0-65	0-65
Versatz in mm bei Abstand von	X	Y	X	Y
Offset in mm at distance	0 ±60 5 ±60 12 ±60 15 ±60 18 ±60 20 ±60 22 ±60 25 ±60 30 ±60 32 ±50 35 ±50 40 ±50 45 ±25 50 ±25 52 ±25 60 65	0-52 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±50 ±50 ±20 ±20 ±20 ±25 ±25 ±8	0-65 ±26 ±26 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±50 ±50 ±25 ±25 ±25 ±10 ±10	0-65 ±26 ±26 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±25 ±50 ±50 ±25 ±25 ±25 ±10 ±10



BIS M-451-__

	BIS M-152-03/A	BIS M-152-03/A	BIS M-153-02/A		
passende Datenträger Appropriate data carriers					
Freizone Datenträger in mm (a) Data carrier clear zone in mm	>200	>200	>240		
Freizone Datenträger in mm (b) Data carrier clear zone in mm	>200	>200	>480		
Freizone Datenträger in mm (c) Data carrier clear zone in mm	>50	>50	>50		
Schreibabstand in mm Write distance in mm	0-30	0-30	0-100	0-100	0-100
Leseabstand in mm Read distance in mm	0-30	0-30	0-100	0-100	0-100
Versatz in mm bei Abstand von	X	Y	X	Y	Y
Offset in mm at distance	0 ±35	±20	±60	±20	±20
	5 ±35	±20	±60	±20	±20
	10 ±35	±20	±60	±20	±20
	15 ±35	±20	±60	±20	±20
	20 ±35	±20	±60	±20	±20
	25 ±20	±12	±60	±20	±20
	30 ±20	±12	±60	±20	±20
	35		±60	±20	±20
	40		±60	±20	±20
	45		±60	±20	±20
	50		±60	±20	±20
	60		±60	±20	±20
	70		±60	±20	±20
	80		±60	±20	±20
	90		±40	±20	±20
	100		±40	±20	±20

