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HENGSTLER

CN 反射式增量编码器RMI
最大 25mm 空心轴
安装手册

GB RMI Series
Reflective Modular Incremental encoder up to 25mm hollow shaft
Installation instructions

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CN 1. 前言

这个安装手册提供连接和开始使用这个编码器的流程。

你可以从RMI数据手册获得更多信息, 你可以联系我们提供或者从我们的网站自行下载。

www.hengstler.com.cn

GB 1. Preface

These installation instruction are provided for the connection and starting procedure of your hollow shaft encoder.

You will get further information from the RMI datasheet, on request or on download from our Internet site.

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CN 2. 安全

有资质的操作人员

因为编码器包含敏感的电子电路, 所以编码器必须由合格的电工进行安装和拆卸。

旋转的轴造成伤害的风险

头发或者衣服上的东西可能被旋转的轴卷进去。

-> 在开始所有工作前, 先切断所有电源并且确保工作环境的安全!

静电造成损坏的风险

编码器内部的CMOS器件对于高压非常敏感, 例如衣服摩擦产生的高电压。

-> 不要接触插头的触点或者电子器件!

机械过载造成的损坏风险

刚性安装将使约束力增加, 并且将造成轴承的永久过载。

-> 不要限制编码器的移动! 只使用附带的钢弹簧片或者合适联轴器以此获得编码器安全!

机械冲击造成损坏的风险

猛烈的冲击, 例如锤子的敲击, 可以导致光电传感系统和滚珠轴承的损坏。

-> 不要用力过猛! 正确安装过程中的力量是允许的。

过载造成的损坏风险

-> 装置只能在技术指标的极限范围内工作。

应用场合: 工业过程和控制

连接端子的过电压必须被限定在过电压等级II值以内 (SELV).

GB 2. Safety

Authorized persons

The encoder should only be assembled and dismantled by a qualified electrician, as the unit contains sensitive electronic circuits.

Risk of injury due to rotating shafts

Hair and items of clothing may become caught up in rotating shafts.

-> Prior to commencing all works, disconnect all power suppliers and ensure that the working environment is Safe!

Risk of destruction due to static electricity

The CMOS modules contained in the encoder are very sensitive to high voltages such as can arise due to friction of the clothing.

-> Do not touch plug contacts or electronic components!

Risk of destruction due to mechanical overload

Rigid mounting will give rise to constraining forces which will permanently overloaded the bearings.

-> Never restrict the freedom of movement of encoder! Use only the enclosed sheet steel springs or a suitable coupling to secure the unit!

Risk of destruction due to mechanical shock

Violent shocks, e.g. due to hammer blows, can lead to the destruction of the optical sensing system and the ball bearings.

-> Never use force! Assembly is simple provided that correct procedure is followed.

Risk of destruction due to overloading

-> The unit may only be operated within the limits specified in the technical data.

Fields of application: industrial processes and controls.

Over voltage at the connecting terminals must be limited to over voltage-class-II values (SELV).

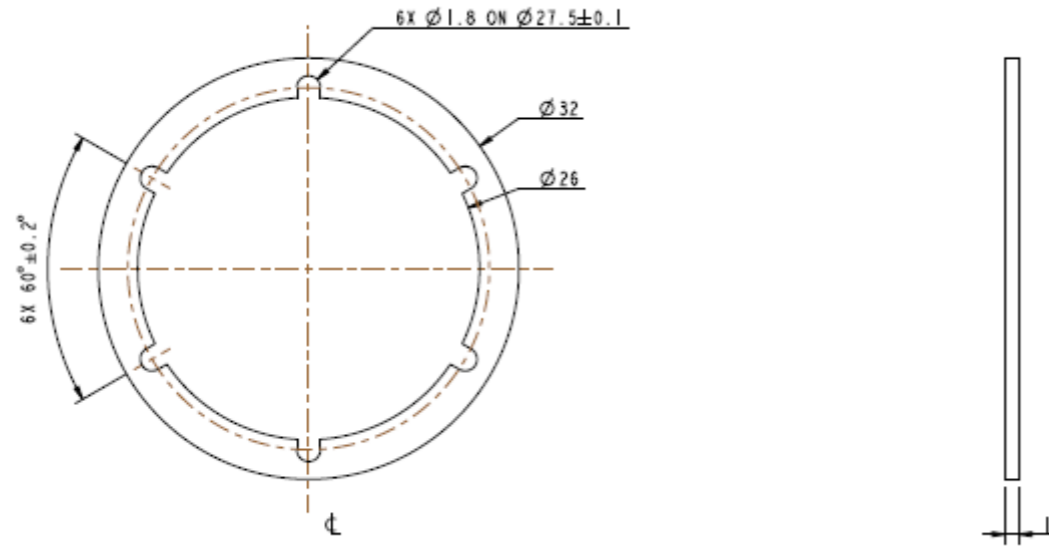
The connecting cable is not for dragline mounting, only for fix mounting.

This encoder is a supply part destined for mounting to an appliance (motor, machine). It is not provided for customer sale.

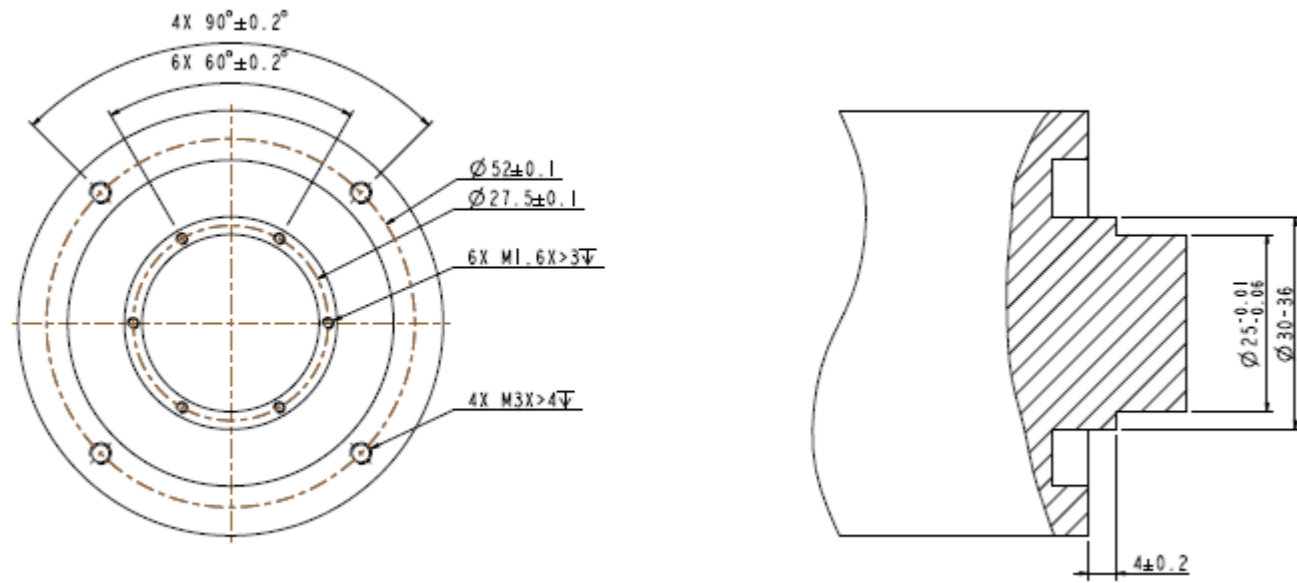
Manufacturers integrating this encoder to their facilities are responsible as well for compliance with CE guidelines as for the CE mark.

3. 安装 / Assembly

出厂前码盘座已安装
The disk bracket has been installed before delivery

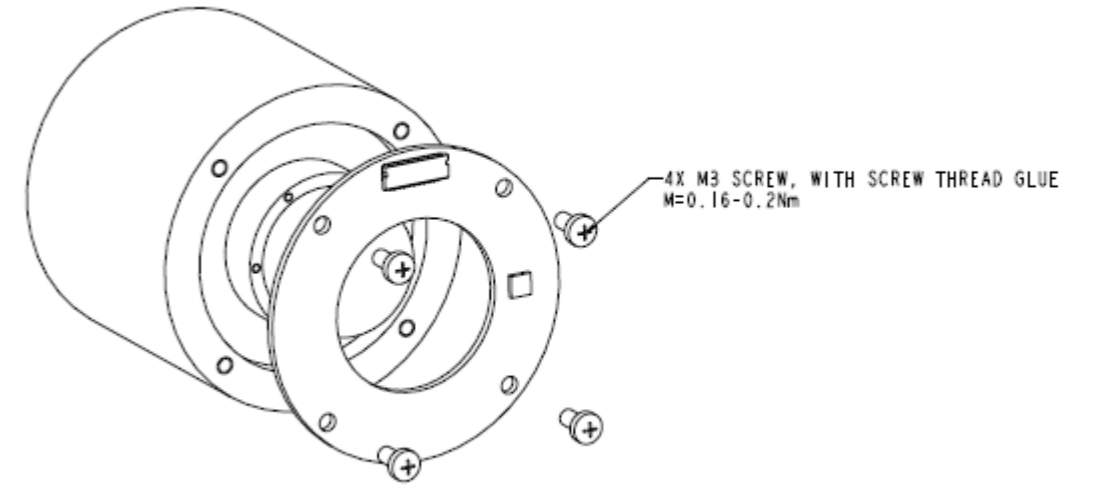


4. 要求的匹配尺寸 / Required mating dimensions

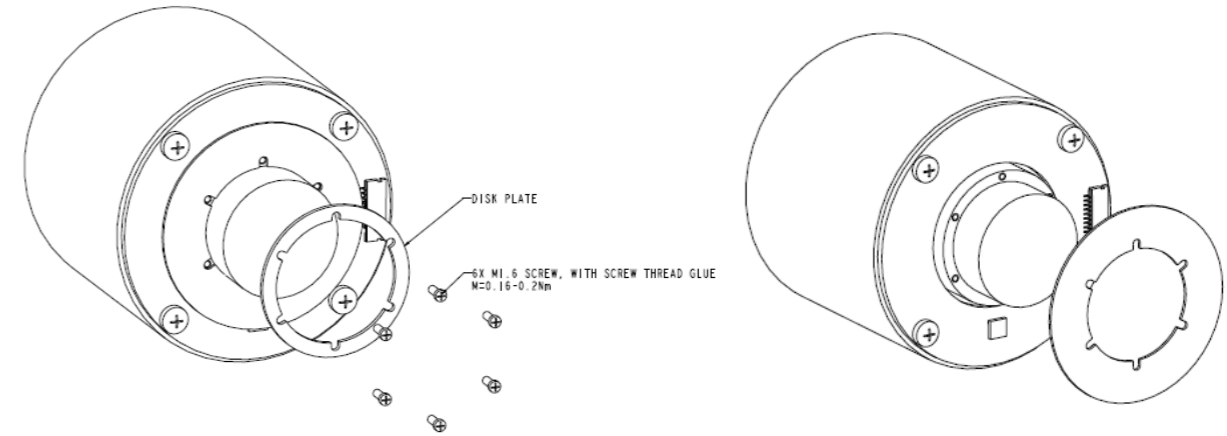


5. 安装步骤 / Installation sequence

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6. 技术数据 / Technical data

供电电压 Supply voltage	DC5V ± 10%
消耗电流 consume current	100mA
增量信号 Incremental Signal	TTL
最大输出频率 Max Frequency	400kHz
绝对精度 Absolute Accuracy	± 15'

线色 Color	输出 Output	10 脚 JST插座 10 PIN JST Connector
红 RED	VCC	1
蓝 BLU	A	3
绿 GRN	B	5
紫 PUR	Z	7
黑 BLK	GND	2
白/蓝 WHT/BLU	A-	4
白/绿 WHT/GRN	B-	6
白/紫 WHT/PUR	Z-	8

从码盘方向看,定义为顺时针方向

