

概要文件Profile

绝对值编码器

通信接口 SSI

适用于以下产品

NME22-S100B-1617





产品描述

多圈编码器 SSI带预设接口, 盲孔结构.

接口		✓
接口	SSI带预设	
手动功能	Preset via cable or connector	
接口周期时间	$\geq 50 \mu s$	
SSI Format	8x"0" + MT Resolution quantity of digits + ST Resolution quantity of digits	
诊断	Error and Warning Bits, Register Values	
编程功能	Via config pin: calibration, WIEGAND sensor test, filter selection, preset value, temperature	
Housing Remark	Backwards Compatible to 22 mm	

输出



输出驱动器

RS422

接口

PCB Connector, male, JST-SR

电气数据



电源电压

4.5 – 5.5 VDC

功耗

57 mA @5V DC

功耗

≤ 0.3 W

EMC:发射干扰

The encoder is a sub-assembly and not to be considered an independent system. Therefore, compliance with CE requirements has to be ensured by the integrator for the overall set-up.

EMC:抗干扰

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传感器



技术

Magnetic TMR

单圈分辨率

Pre-programmed 17 bit

分辨率 多圈

Pre-programmed 16 bit

精度 (INL)

±0.0878° (≤12 bit) measured after calibration at room temp.

认证 认证/寿命 码制 码

二进制码

环境规格



外壳防护等级 (外壳)	IP30
Min Temperature	- 40 °C (- 40 °F)
Max Temperature	+105 °C (221 °F)

机械数据



顶部屏蔽	螺丝紧固
外壳材料	钢
外壳涂层	e-coating (KTL)
轴类型	盲孔
Kit Shaft Dimension	3 mm
轴的材料	Brass
轴紧固选项	轴上顶丝
重量	22 g (0.05 lb)
耐冲击性	≤ 200 g (half sine 6 ms, EN 60068-2-27)
耐振动性	≤ 20 g (10 Hz - 2000 Hz, EN 60068-2-6)

电气连接



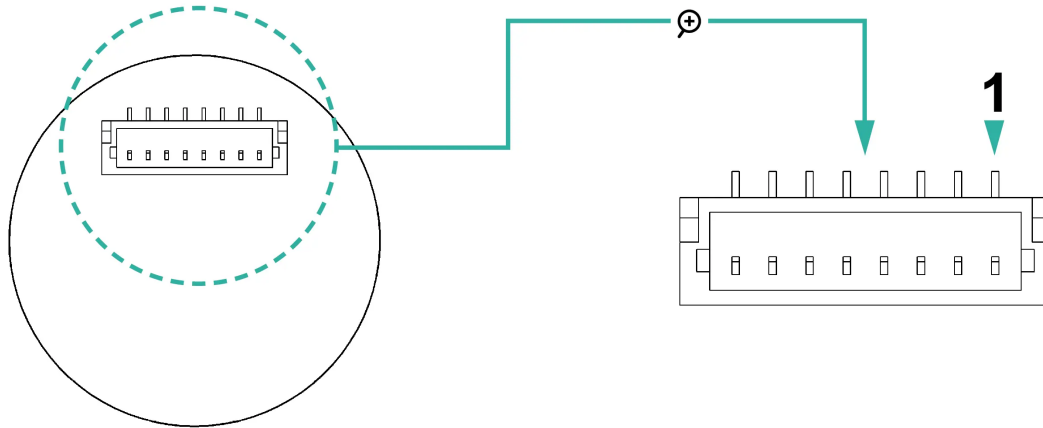
Approval	No CE
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产品寿命周期信息



产品寿命周期信息	测试样品
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连接计划

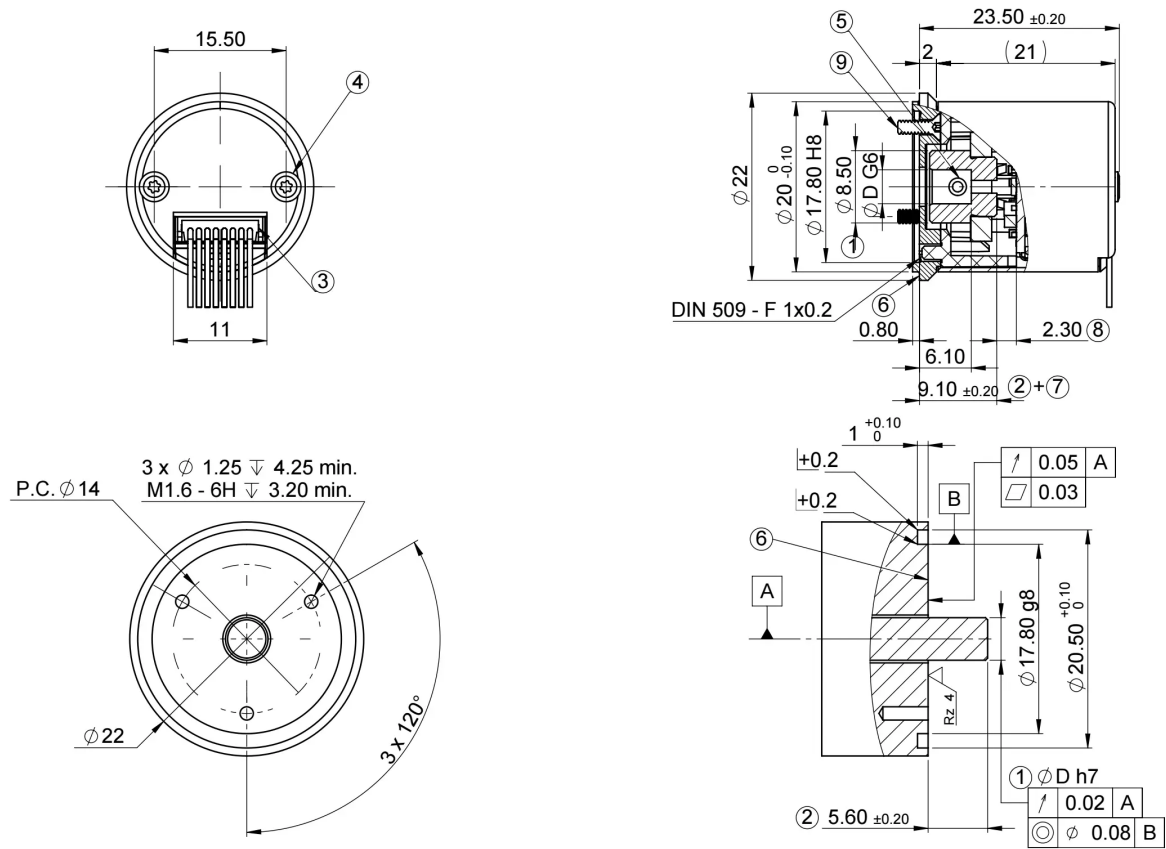


信号

引脚编号

GND	1
Preset	2
Config	3
Data+	4
Data-	5
Clock-	6
Clock+	7
Power Supply	8

图纸



注意事项 Special Attention

- 编码器属于精密仪器，请轻拿轻放、小心使用，尤其对编码器外壳请勿敲、撞击及硬拽等。
- 通电之前请检查正负接线，避免接错或者短路，否则可能会造成电路永久性损坏！
- 产品的预测平均失效时间(MTBF)被认为足够长，但可预测的失效率不是零。因此，建议用户当产品可能出现故障时，用户应承担这些产品造成的所有问题，并将多种安全手段纳入您的产品、系统或设备中，以防止导致严重的系统故障。

服务/维护/保修 Service/ maintenance/ warranty

Service 服务

Shanghai Yanlan Automation Technology Co., Ltd
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www.yanlanmc.cn www.yanlanmc.com Email:info@yanlanmc.cn

Warranty 维护

The warranty expires at the end of the legal warranty-period or alternatively if the housing is opened. Dunkermotoren can allow no warranty for module damage that is caused by wrong wiring.

保修期在法定保修期结束时到期，或者如果外壳被打开，保修期也会到期。Yanlanmc 对因接线错误或者不正当使用造成的模块损坏不提供免费保修。

Storage 存储

Please store the module protected from dust, contamination and humidity. Please look for the storage conditions. Please make sure that the storage conditions do not exceed the allowed storage temperature and humidity (see technical data).

请将模块存放在防尘、防污染和防潮的地方。请查看储存条件。请确保储存条件不超过允许的储存温度和湿度（见技术数据）。

Transport/ transmission 运输 / 传输

Please transport the modules under storage conditions and additionally shock-protected. 请在储存条件下运输模块，并额外提供防震保护。

Disposal 报废处理

The module is with its highly integrated circuit board electrical special waste and has to be disposed accordingly. 处置该模块具有高度集成的电路板电气特殊废物，必须相应处置。

印记 Imprint

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