

概要文件Profile

绝对值编码器

通信接口 SSI

适用于以下产品

NME36-S100B-1617



KTD-S100B-1617-W0BM-JAQ



产品描述

多圈 KIT编码器 SSI带预设 接口, 实心轴 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	向后兼容 KCD

输出



输出驱动器

RS422

接口

PCB Connector, male, JST-GH

电气数据



电源电压

4.75 - 15 VDC

功耗

Typical 32 mA, max 35 mA @5V DC

功耗

≤ 0.3 W

启动时间

< 100 ms

时钟输入

RS422

时钟速度

300 kHz - 1 MHz

反极性保护

是

短路保护

是

EMC:发射干扰

The kit 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.

允许最高转速

12000 1/min

EMC:抗干扰

The kit 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.

MTTF

20 years @ 105 °C

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	预装
外壳材料	钢
外壳涂层	e-coating (KTL) + Powder coating
轴类型	实心轴
轴的材料	不锈钢 V4A (1.4404, 316L)
轴紧固选项	轴上外螺纹
耐冲击性	≤ 200 g (half sine 6 ms, EN 60068-2-27)
耐振动性	≤ 30 g (10 Hz – 1000 Hz, EN 60068-2-6)

电气连接

Approval

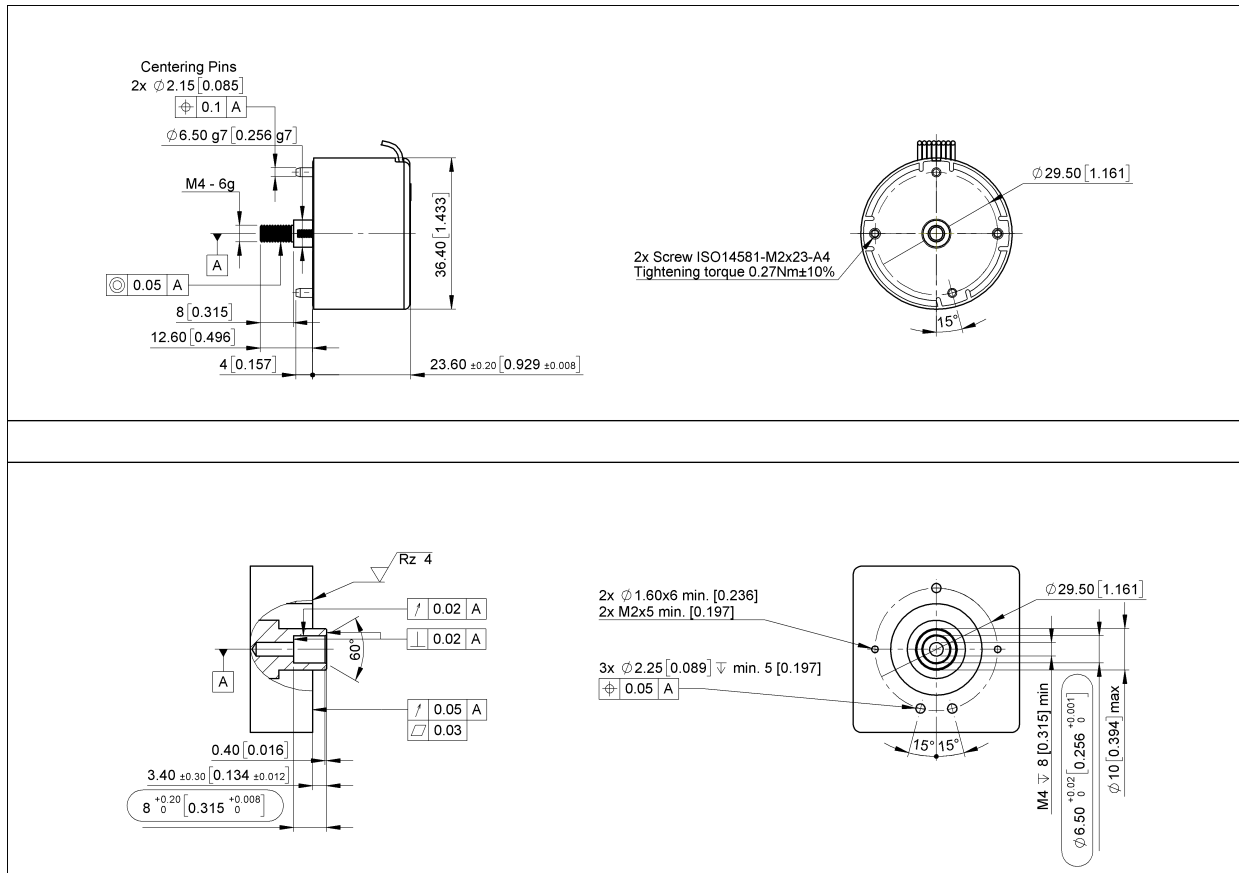
No CE

产品寿命周期信息

产品寿命周期信息

新产品

图纸



注意事项 Special Attention

- 电机属于精密仪器，请轻拿轻放、小心使用，尤其对编码器轴请勿敲、撞击及硬拽等。
- 电机与机械连接应选用柔性连接器或弹性支架，应避免刚性联接不同心造成的硬性损坏。
- 电机禁止电源相互短接，通电后还要避免不小心使信号线有碰触，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

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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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