

**Absolute. Compact.
Revolution.**



NME36系列
感应原理 磁性
功能原理 多圈
多圈技术 韦恩无电池无齿轮
外径 $\Phi 36\text{mm}$
轴径 实心轴 $\Phi 4\text{mm}$
分辨率 17Bit
每圈步数 131072/17Bit
圈数 $\pm 65536/16\text{Bit}$
接口 BISS-C /SSI
工作电压 4.75-15 VDC
温度范围 $-40\sim 105\text{ }^{\circ}\text{C}$

电气参数

供电电压	4.75 - 15 VDC
综合功率	$\leq 0.3\text{ W}$
启动时间	$< 100\text{ ms}$
输出类型	RS422
频率	300 kHz - 1 MHz
反极性保护	Yes
短路保护	Yes
EMC：发射的干扰	套件编码器是一个子组件，不应被视为一个独立的系统。因此，集成商必须确保整体设置符合CE要求。
最大允许电速度	12000 1/min
EMC：抗噪声性	套件编码器是一个子组件，不应被视为一个独立的系统。因此，集成商必须确保整体设置符合CE要求。
MTTF	20 years @ 40 $^{\circ}\text{C}$

传感技术

技术	磁性感应
分辨率单圈	17 bit
分辨率多圈	16 bit
精度 (INL)	$\pm 0.0878^{\circ} (\leq 12\text{ bit})$
编码	二进制

环境参数

防护等级 (外壳)	IP10
最低温度	-40 °C (-40 °F)
最高温度	+105 °C (221 °F)

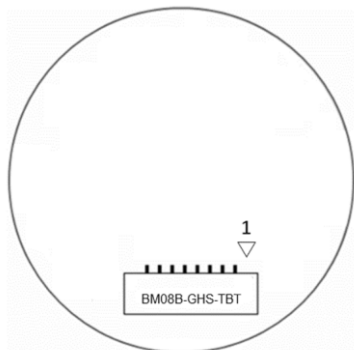
机械参数

Housing	Pressed
Housing Material	Steel
Housing Coating	Cathodic corrosion protection (>720 h salt spray resistance)
Shaft Type	Solid
Shaft Material	Stainless Steel V4A (1.4404, 316L)
Shaft Fastening Options	Shaft Outside Threaded
Maximum Axial / Radial Misalignment	± 0.3 mm / ± 0.1 mm
Weight	19 g (0.04 lb)
Rotor Inertia	≤ 10 gcm ² [≤ 0.06 oz-in ²]
Shock Resistance	≤ 200 g (half sine 6 ms, EN 60068-2-27)
Permanent Shock Resistance	≤ 20 g (half sine 16 ms, EN 60068-2-29)
Vibration Resistance	≤ 30 g (10 Hz - 1000 Hz, EN 60068-2-6)

接口定义

Pin	Signal	
	BiSS C Type key: NME36-BC	SSI Type key: NME36-S1
1	GND	GND
2	Preset (default 0 position value)	Preset (default 0 position value)
3	Config (Kit Control box, serial communication)	Config (Kit Control box, serial communication)
4	Data + (SLO+)	Data +
5	Data - (SLO-)	Data -
6	CLOCK - (MA-)	CLOCK -
7	CLOCK + (MA+)	CLOCK +
8	VCC	VCC

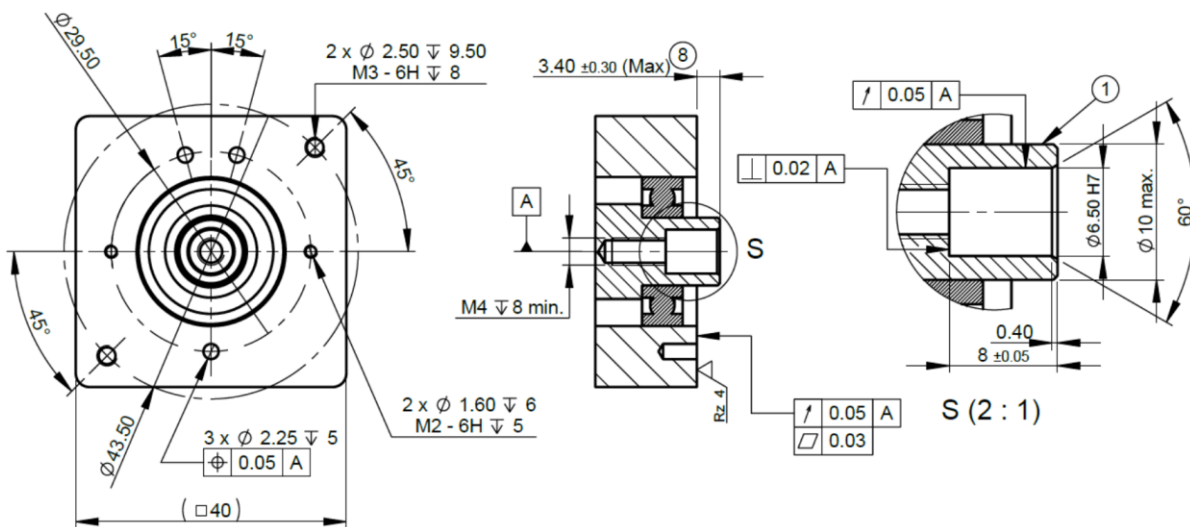
Pin Assignment



PCB view and connector orientation

机械图

Bottom Shield Interface and Flange

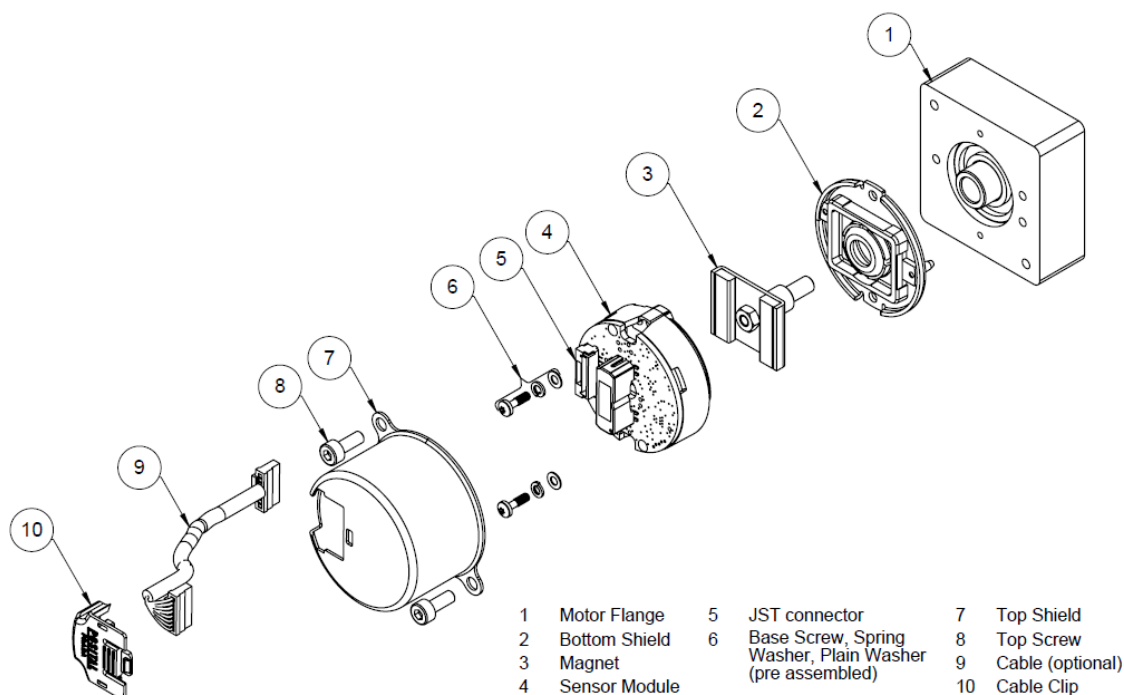


A = Center Of Rotation

① = Different Shaft Sizes can be adapted

⑧ = Including static and dynamic tolerances. In order to keep the specified accuracy, the dynamic part of the tolerance need to stay below +/- 0.1mm (movement of shaft after calibration)

Complete Mechanical Assembly



订货信息

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