

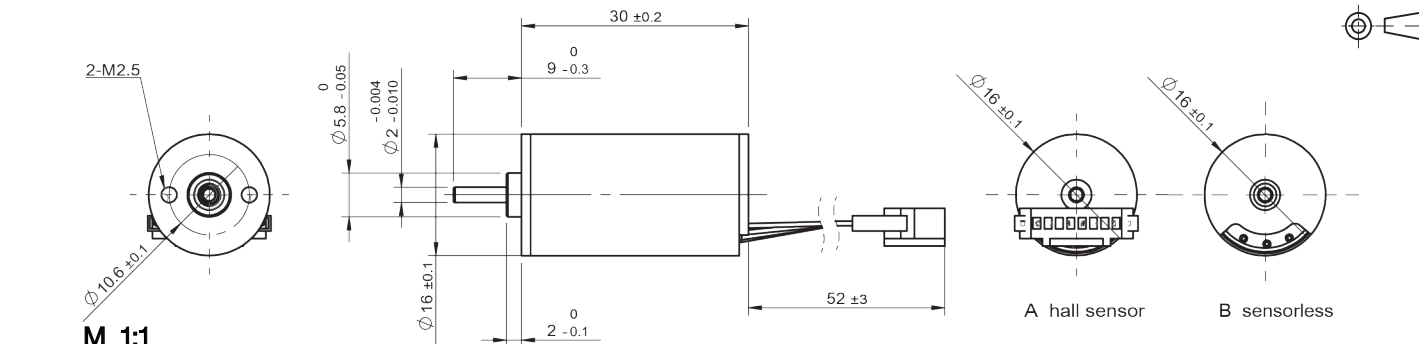
BS1630NH2B

Ø16mm*30mm, 内转子有槽带传感器 Inner Rotor, Slotted, Sensored

应用领域: 医疗器械、工业设备等精密驱动领域。

Applications: precision drives in medical equipment, industrial automation fields.

				01-160-24.0		02-100-24.0		02-100-24.0			
电机参数 / Motor Data											
1	电压	Voltage	V	24.0		24.0		24.0			
2	端电阻	Terminal resistance	Ω	10.5		16.8		8.4			
3	空载转速	No-load speed	rpm	16000		10000		20000			
4	空载电流	No-load current	A	0.1		0.1		0.1			
5	堵转转矩	Stall torque	mNm	29.9		28		30.5			
6	堵转电流	Stall current	A	2.3		1.5		2.9			
7	额定转矩	Nominal torque	mNm	7		7		7			
8	额定转速	Nominal speed	rpm	12000		7500		15300			
9	额定电流	Nominal current	A	0.6		0.5		0.8			
10	最大输出功率	Max. output power	W	12		7.4		16			
11	最大效率	Max. efficiency	%	62		54		66			
12	反电势常数	Back-EMF constant	mV/rpm	1.43		2.2		1.15			
13	转矩常数	Torque constant	mNm/A	13.6		21.3		11			
14	KV 值	KV Value	rpm/V	667		416		833			
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	534		353		656			
16	转子惯量	Rotor inertia	gcm²	0.36		0.36		0.36			
17	重量	Weight	g	30		30		30			
热参数 / Thermal Data				特性曲线 / Characteristics Curve							
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	17.3		BS1630NH2B01-160-24.0 — 转速 (N) — 电流 (I) - - - 效率 (η) —— 功率 (P) 仅供参考, 详细了解请以产品规格书为准。 For reference only, please refer to the product specification					
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	4							
20	热时常数 (电机)	Thermal time constant motor	s	600							
21	热时常数 (线圈)	Thermal time constant winding	s	3							
22	工作温度范围	Operating temperature range	°C	-40~+100							
23	绕组耐温等级	Thermal class of winding	°C	155							
机械参数 / Mechanical Data											
24	轴向间隙	Axial play	mm	0.012							
25	径向间隙	Radial play	mm	0.008							
26	动态轴向载荷	Axial load dynamic	N	5							
27	静态轴向载荷	Axial load static	N	80							
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	29							
其它参数 / Other Specifications											
29	极对数	No. of pole pairs		2		仅供参考, 详细了解请以产品规格书为准。 For reference only, please refer to the product specification					
30	滚珠轴承	Ball bearings		2							
31	换向结构	Commutation structure		hall sensor							
32	防护等级	Protection class		IP30							
可选配置 / Options				端子定义 / Connection							
齿轮箱: 行星齿轮 Gearbox: planetary gearbox				齿轮组主要技术指标详见第 156 页 the main technical parameters are detailed on page 156		A 霍尔传感器 /hall sensor AWG 28		B 无传感器 /sensorless AWG 26			
性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range						Pin1	Hw	green	Pin1	U	red
编码器 Encoder/ 驱动器 Driver: 可定制 customizable upon request						Pin2	Hv	grey	Pin2	V	white
法兰 Flange: 标准前后法兰 standard front and rear flanges / 定制法兰 custom flanges						Pin3	Hu	brown	Pin3	W	black
轴 Shaft: 长度 length / 异形 shape						Pin4	+	red			
轴承类型 Bearing type: 含油轴承 sleeve bearings / 滚珠轴承 ball bearings						Pin5	-	black			
电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length						Pin6	U	blue			
						Pin7	W	white			
						Pin8	V	yellow			
外观图 /Outline Drawing											



规格如有变更, 恕不另行通知。Specification subject to change without notice.

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