

BS6008NFL $\varnothing 60\text{mm} \times 16.5\text{mm}$, 内转子有槽无传感器 Inner Rotor, Slotted, Sensorless

应用领域: 协作机器人、机器人关节、工业自动化设备等领域。

Applications: cooperative robotic, robotic joint, industrial automation, etc.

-29-48.0

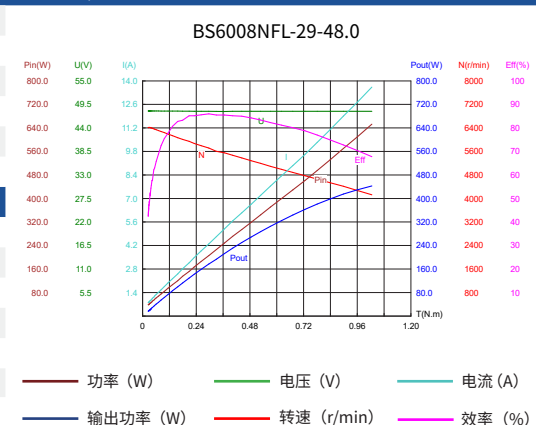
电机参数 / Motor Data

1	电压	Voltage	V	48.0					
2	线电阻	Line resistance	Ω	0.62					
3	线电感	Line inductance	mH	0.26					
4	空载转速	No-load speed	rpm	6560					
5	空载电流	No-load current	A	0.3					
6	堵转转矩	Stall torque	N.m	5.3					
7	堵转电流	Stall current	A	77.4					
8	额定转矩	Nominal torque	N.m	0.44					
9	额定转速	Nominal speed	rpm	5380					
10	额定电流	Nominal current	A	6.1					
11	最大输出功率	Max.output power	W	900					
12	最大效率	Max.efficiency	%	86					
13	反电势常数	Back-EMF constant	mV/rpm	7.3					
14	转矩常数	Torque constant	Nm/A	0.068					
15	KV 值	KV Value	rpm/V	136.7					
16	转速 / 转矩斜率	Speed/torque gradient	rpm/Nm	1244					
17	转子惯量	Rotor inertia	gcm^2	81					
18	重量	Weight	g	119					

热参数 / Thermal Data

19	热阻 (线圈 - 环境)	Thermal resistance winding-ambient	K/W	1.6
20	热时常数 (线圈)	Thermal time constant winding	s	120
21	绝缘等级	Insulation class		B
22	工作温度范围	Operating temperature range	$^{\circ}\text{C}$	-40~+100
23	绕组耐温等级	Thermal class of winding	$^{\circ}\text{C}$	180

特性曲线 / Characteristics Curve



其它参数 / Other Specifications

24	绕组联结	Circuit type	Y
25	耐电压	Puncture	500VAC / 5mA / 1s
26	绝缘电阻	Insulation Resistance	100M Ω / 500VDC
27	极对数	No. of pole pairs	10
28	槽数	No. of slots	24
29	换向结构	Commutation structure	sensorless
30	防护等级	Protection class	IP20

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.

可选配置 / Options

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range
传感器 Sensor: 无传感器 sensorless/ 霍尔传感器 hall sensor
驱动器 Driver: 可定制 customizable upon request
电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

端子定义 / Connection

无传感器 / sensorless
AWG 24
Pin1 U red
Pin2 V yellow
Pin3 W black

外观图 / Outline Drawing

