

1635N5C | 碳刷 Graphite Brush

应用领域：医疗、保健、汽车、机器人、工业自动化等精密驱动领域。

Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

主要技术指标 | Characteristics

			04-115-6.0	08-150-12.0	10-150-24.0	
1	电压	Voltage	V	6.0	12.0	24.0
2	转子电阻	Rotor Resistance	Ω	1.7	3.2	14.7
3	空载转速	No-load speed	rpm	11500	15000	15000
4	空载电流	No-load current	mA	110	75	30
5	堵转转矩	Stall torque	mNm	16.5	27.5	24.0
6	堵转电流	Stall current	mA	3530	3750	1630
7	额定转矩	Nominal torque	mNm	4.0	6.0	4.5
8	额定转速	Nominal speed	rpm	8710	11730	12190
9	额定电流	Nominal current	mA	940	880	330
10	最大输出功率	Max. output power	W	5.0	10.8	9.4
11	最大效率	Max. efficiency	%	68	74	75
12	反电势常数	Back-EMF constant	mV/rpm	0.5	0.8	1.6
13	转矩常数	Torque constant	mNm/A	4.8	7.5	15.0
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	700	550	630
15	转子惯量	Rotor inertia	gcm ²	0.95	0.95	0.95
16	重量	Weight	g	22.5	22.5	22.5
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		26.8	
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		30.6	
19	热时常数 (电机)	Thermal time constant motor	s		242	
20	热时常数 (线圈)	Thermal time constant winding	s		232	
21	工作温度范围	Operating temperature range	°C		-20~+85	
22	绕组耐温等级	Thermal class of winding	°C		130	
23	轴向间隙	Axial play	mm		0.02~0.15	
24	径向间隙	Radial play	mm		0.012	
25	动态轴向载荷	Axial load dynamic	N		0.8	
26	静态轴向载荷	Axial load static	N		30	
27	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		1.5	
28	极对数	No. of pole pairs			1	
29	轴承	Bearings			2 枚含油轴承/2 sleeve bearings	
30	换向结构	Commutator			贵金属 5 相/metal 5 segments	
31	防护等级	Protection class			IP 30	

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils

轴承类型 Bearing type 齿轮箱 Gearheads

外观图 | Outline Drawing

