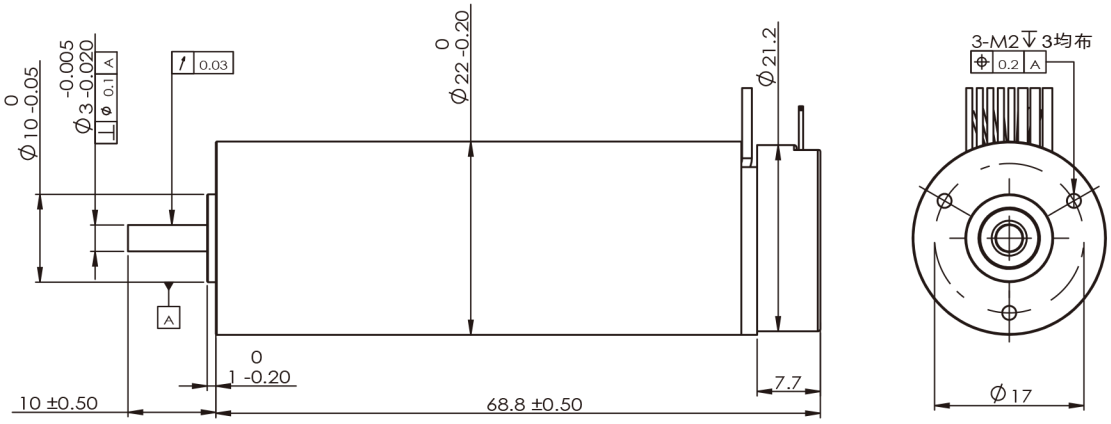
SBRS2269B | 无刷 Brushless



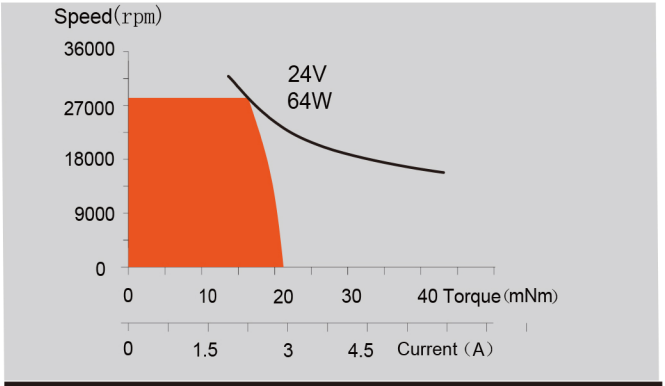
电机参数 Motor Data

	电机型号	Motor model			SBRS226924B	SBRS226936B	SBRS226948B
1	额定电压	Nominal voltage	V	V	24	36	48
2	空载转速	No load speed	rpm	Wnl	30300	34700	30850
3	空载电流	No load current	mA	InI	<190	<230	<40
4	额定转速	Nominal speed	rpm	Wc	29000	31000	29500
5	额定转矩	Nominal torque	mNm	Tc	21	18.6	19.3
6	额定电流	Nominal current	A	Ic	2.8	1.9	1.3
7	输出功率	Output power	W	Pc	64	60	59
8	堵转扭矩	Stall torque	mNm	Tmax	222.7	176	203.2
9	堵转电流	Stall current	A	Imax	29.6	18	13.7
10	最大效率	Max. efficiency	%	ηmax	89	79	92
11	线间电阻	Terminal resistance	Ω	Rt	0.81	2	3.5
12	线圈电感	Terminal inductance	L	mH	0.2	0.33	0.9
13	力矩系数	Torque constant	mNm / A	Kt	7.52	9.78	14.81
14	速度常数	Speed constant	rpm / V	Kn	1270.6	976.4	644.6
15	速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	61.8	199.1	70.1

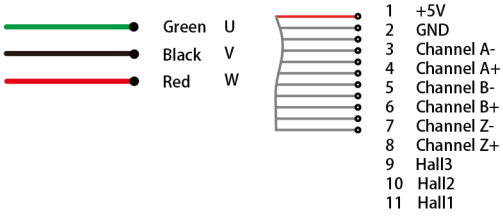
特性参数 Specifications

1	环境温度 ambient temperature	Ta	-20~+65 ℃
2	最大允许线圈温度 max. winding temperature	Tcoilmax	+85 ℃
3	最大允许速度 max. speed	Nmax	34700rpm
4	轴向窜动 axial play	Δt	0.05-0.15 mm
5	极对数 number of pole pairs	2p	1
6	换向器片数 number of commutator segments		3
7	马达重量 weight of motor	Wt	131 g
8	最大轴向载荷（动态） Max. axial load (dynamic)		3.5N
9	最大允许安装力（静态） Max. force for press fits (static)		60N
10	最大径向载荷（离法兰4mm处） Max. radial load, 4 mm from flange		16N

电机运行范围 Operating Range



Terminal definitions



Magnet Encoder
3 Channel
1000CPT