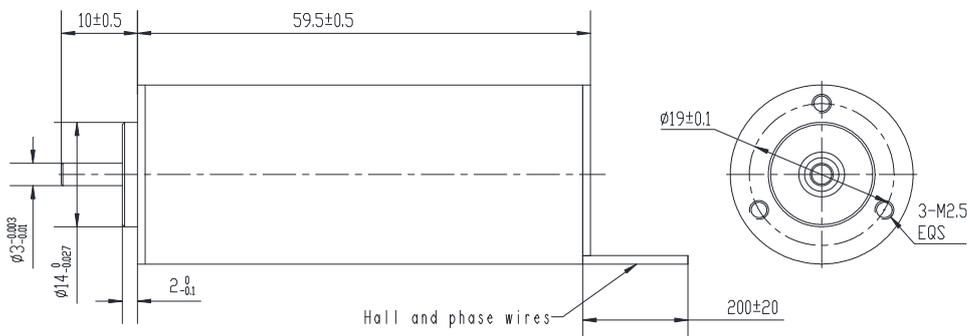


机械尺寸

(Dimensions)



选件 Options



接插件



齿轮箱

特性概要

(General Specifications)

绕组连接方式 (Winding Type)	星形 (Star connection)
介电强度 (Dielectric Strength)	600VAC/1S
绝缘电阻 (Insulation Resistance)	100MΩ, 500VDC
环境温度 (Ambient Temperature)	-20°C ~ +50°C
绝缘等级 (Insulation Class)	Class B
径向间隙 (Radial Play)	0.02mm@4N
轴向间隙 (Axial Play)	0.14mm@4N
最大径向负载 (Max radial force)	8N距法兰5mm (5mm From the flange)
最大轴向负载 (Max axial force)	4N

接线说明

(Electric Connection)

线型号 Type	线颜色 Color	功能 Functions
AFR250-SY AWG26	红色(Red)	霍尔电源正(Vcc)
	蓝色(Blue)	霍尔 W (Hw)
	绿色(Green)	霍尔 V (Hv)
	白色(White)	霍尔 U (Hu)
	黑色(Black)	霍尔电源负(GND)
UL1332 AWG20	黄色(Yellow)	U相 (Phase U)
	红色 (Red)	V相 (Phase V)
	黑色(Black)	W相 (Phase W)

电性能

(Electrical Specifications)

	单位 (Unit)	FL24SBL59-24V-18069A	FL24SBL44-24V-12030A
极数 (Number of poles)		2	2
相数 (Number of phases)		3	3
额定电压 (Rated voltage)	VDC	24	24
空载转速 (No load speed)	RPM	20000	12000
空载电流 (No load current)	A	0.4	0.12
额定转矩 (Rated torque)	mN.m	40	30
额定电流 (Rated current)	A	3.9	1.73
额定速度 (Rated speed)	RPM	18500	9500
额定功率 (Rated power)	W	96.8	30
额定效率 (Rated efficiency)	%	82	77
峰值扭矩 (Peak torque)	mN.m	120	90
峰值电流 (Peak current)	A	11.7	5.19
线电阻 (Line to line resistance)	ohms@20°C	0.52	3
线电感 (Line to line inductance)	mH	0.054	0.24
转矩常数 (Torque constant)	mNm/A	11.5	18.84
反电势 (Back EMF)	Vrms/Krpm	0.85	1.4
外壳-环境热阻 (Housing - Ambient thermal resistance)	K/W	7.08	8.21
电机热时间常数 (Motor thermal time constant)	S	803	735
绕组最高允许温度 (Max temperature of winding)	°C	155	155
电气时间常数 (Electrical time constant)	ms	0.104	0.08