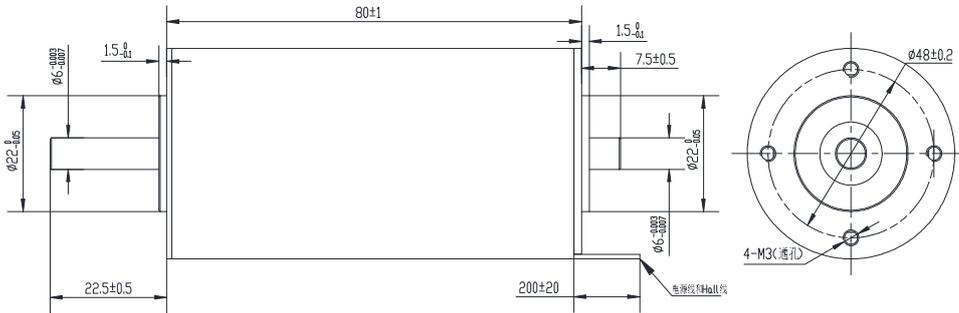


机械尺寸

(Dimensions)



选件 Options



接插件



齿轮箱



编码器

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)	12N距法兰5mm (5mm From the flange)
最大轴向负载 (Max axial force)	5N

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 AWG18	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)	FL40SBL80-24V-072-022A	FL40SBL60-24V-085-164A
极数 (Number of poles)		4	4
相数 (Number of phases)		3	3
额定电压 (Rated voltage)	VDC	24	24
空载转速 (No load speed)	RPM	5700	8500
空载电流 (No load current)	A	0.33	0.5
额定转矩 (Rated torque)	mN.m	250	200
额定电流 (Rated current)	A	7.0	8.0
额定速度 (Rated speed)	RPM	5100	7850
额定功率 (Rated power)	W	133.5	164
额定效率 (Rated efficiency)	%	82.3	83.5%
峰值扭矩 (Peak torque)	mN.m	750	600
峰值电流 (Peak current)	A	19.6	24
线电阻 (Line to line resistance)	ohms@20°C	0.32	0.2
线电感 (Line to line inductance)	mH	0.061	0.041
转矩常数 (Torque constant)	mNm/A	40.5	26.89
反电势 (Back EMF)	Vrms/KRPM	3.0	1.99
外壳-环境热阻 (Housing - Ambient thermal resistance)	K/W	3.87	3.67
电机热时间常数 (Motor thermal time constant)	S	760	736
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	0.191	0.205