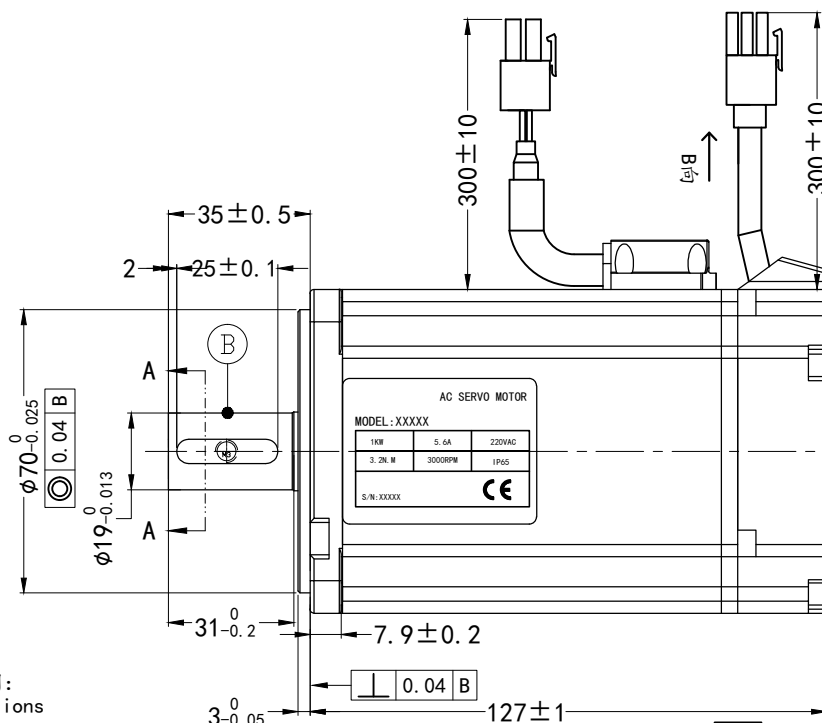


永磁交流伺服电动机规格书

PERMANENT MAGNET AC SERVO MOTOR SPECIFICATION

版本 REV	变更号 ECN NO	变更内容 CONTENT CHANGED	处数 NO.	日期 DATE	设计 DESIGN



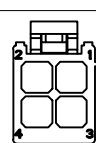
使用说明:
Instructions

使用环境温度-20~55℃不结冰
Operating ambient temperature -20~55℃ No ice

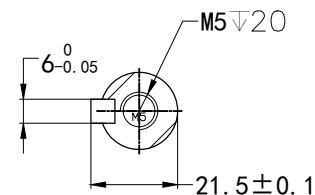
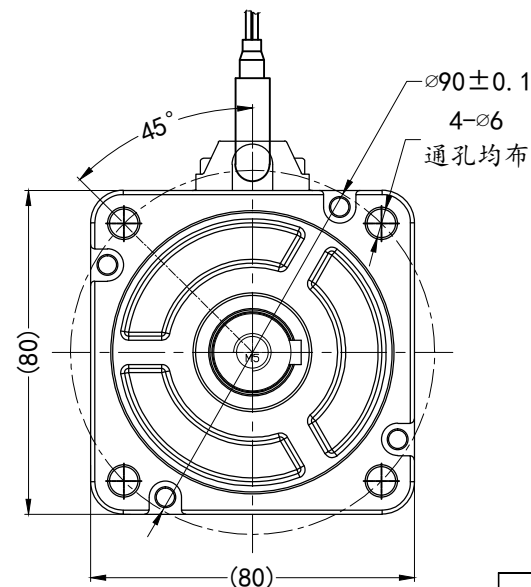
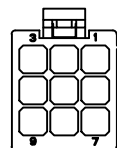
使用环境湿度20%~80%RH不结露
Operating environment humidity 20%~80%rh no condensation

1000m以下使用, 1000m以上请降额使用, 具体参照海拔降额曲线
For use below 1000m, please reduce the rating for use above 1000m.
Refer to the altitude derating curve for details

参数列表
parameters List



B向视图



SECTION A-A

型号 Model	编码器 encoder
AC100M-08J30A	17位单圈磁编 17 bit single coil magnetic encoder
AC100M-08G30A	17位多圈磁编 17 bit multi coil magnetic encoder
AC100M-08L30A	23位多圈光电 23 bit multi turn photoelectric

额定电压 Rated Voltage (V)	220	线电阻 Line-Line Resistance (Ω)	2.2±10% (20℃)	编码器接线顺序(其中6、7号为多圈和光电编码器用) magnetic encoder wiring sequence (numbers 6 and 7 are used for multi turn and photoelectric encoders)								电机绕组接线顺序 Motor winding wiring sequence									
额定功率 Rated Power (W)	1000	线电感 Line-Line Inductance (mH)	6.86±20% (20℃)	序号 Serial number	1	2	3	4	5	6	7	序号 Serial number	1	2	3	4					
额定电流 Rated Current (A)	5.6	转动惯量 Rotor inertia (×10 ⁻⁴ kg·m ²)	2.11	颜色 Color	屏蔽 PE	红 Red	白 White	黄 Yellow	绿 Green	蓝 Blue	黑 Black	颜色 Color	红 Red	白 White	黑 Black	黄绿 Yellow/Green					
峰值电流 Peak Current (A)	16.8	绝缘等级 Insulation Class	F	定义 Definition	PE	VCC	GND	SD+	SD-	BAT+	BAT-	定义 Definition	U	V	W	PE					
额定转速 Rated Speed (rpm)	3000	绝缘电阻 Insulation resistance	DC1000V ≥ 20MΩ	CTQ SIGN: Customer Process Law 材料符合ROHS要求 All Material Are To Be Rohs Compliant								NINGBO SIMTACH AUTO TECH CO.,LTD									
最高转速 Peak Speed (rpm)	5000	防护等级 Protection class	IP65	NAMES	SIGNATURE	DATE	Unspecified tolerance		视角 FIRST ANGLE METHOD								比例 SCALE	单位 UNIT	变更标识 ECN SIGN	名称 TITLE	/
额定转矩 Rated Torque (N.M)	3.20	允许最大径向负载Maximum allowable radial load(N)	390	设计 DESIGN			常规公差:Tolerances 角度Angles±0.1° 倒角Chamfer±0.3										1:1	mm	*	图号 DWG. NG	/
峰值转矩 Peak Torque (N.M)	9.60	允许最大轴向负载Maximum allowable axial load (N)	140	标准化 STANDARD			Unit:mm GB/T1804-M ISO2768-1 ClassM		件号 PART NUMBER								1	版本 REV	A	表单编号 Form Code	
反电势 Voltage Constant (V/Krpm)	34.6	重量 Weight (kg)	2.95	审核 CHECK																	
力矩系数Torque Coefficient (N.M/A)	0.57																				