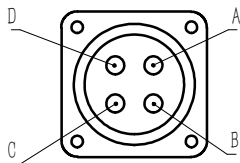
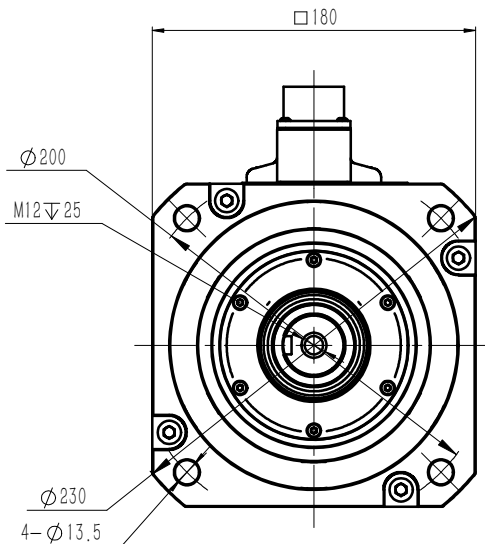


受控

电机规格 Motor Specifications

电机型号 Motor Model	X2MG290A-N4LA
适配驱动器电压 V (rms) Typical Drive Voltages	380
直流母线电压 V (dc) Basic DC Bus Voltage	540
额定功率 kW Rated Output Power	2.9
额定转速 rpm Rated Speed	1500
最高转速 rpm Max. Speed	3000
额定转矩 Nm Rated Torque	18.6
堵转转矩 Nm Continuous Stall Torque	18.6
瞬时峰值扭矩 Nm Peak Torque	45.1
额定电流 A (rms) Rated Current	10
堵转电流 A (rms) Continuous Stall Current	10
瞬时峰值电流 A (rms) Peak Current	33.5
线反电势常数V (rms) / K rpm Voltage Constant	121.6
转矩常数Nm / A (rms) Torque Constant	2.01
线电阻 Ω @20° C Winding Resistance (Line-Line)	0.71
线电感mH (typ.) Winding Inductance (Line-Line)	13.9
转子惯量kg m ² Inertia	47.2X10 ⁻⁴
电气时间常数ms Electrical Time Constant	19.5
极对数 Rotor Poles	5
编码器 Encoder	17位 绝对值
轴向载荷 N Shaft Load - Axial	490
径向载荷 N Shaft Load - Radial (End of Shaft)	1470
防护等级 Protection Class	IP65
绝缘等级 Insulation Class	F
重量 kg Weight	16

3

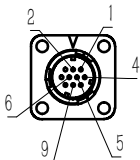


电机动力端Motor Power Connection

针位 PIN No.	功能定义 Function
A	U
B	V
C	W
D	C.G

编码器端 Encoder Connection

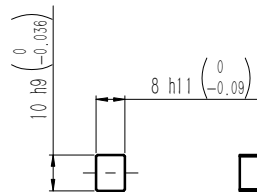
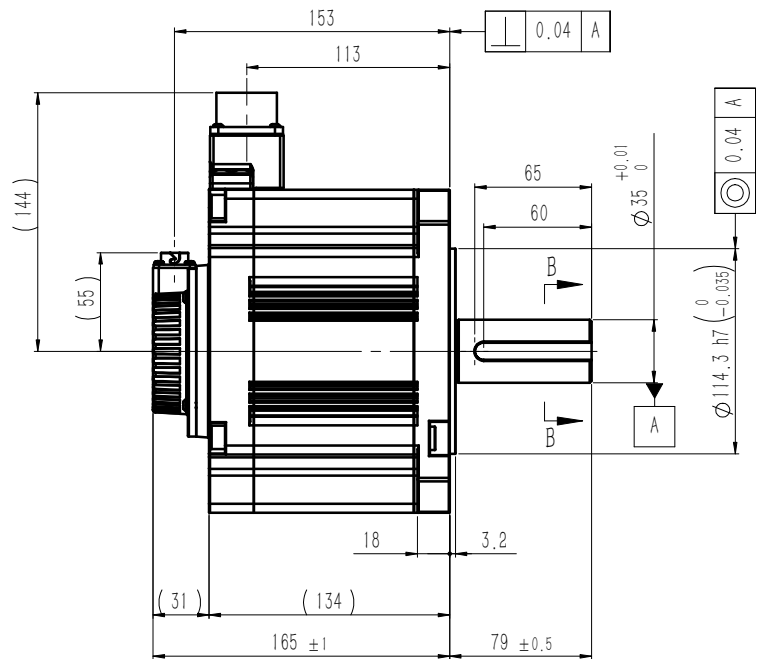
针位 PIN No.	功能定义 Function
1	VCC
2	GND
3	—
4	BATT
5	+DO
6	-DO
7	—
8	—
9	BAT-
10	—



备注:

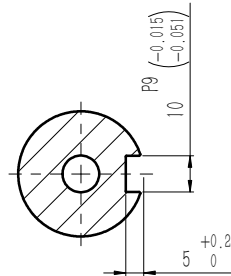
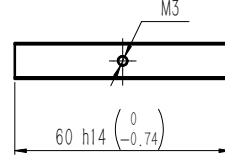
notes

- GB/T 1096 键B10x8x60 随电机一起包装, 但未安装。
GB/T 1096 Key B10x8x60 is shipped with motor, but not installed.
- 防护等级IP65(除了轴上没装油封和非密封连接器情况)。
IP65 (except Shaft without seal and non-sealed connectors)



平键

1:2



B-B

1:2

										客户回签	
3	2		EC001701	ZML	091020					HCFA浙江禾川科技股份有限公司	
2	5		EC001380	ZML	120619					伺服电机(2.9kW)	
标记	处数	分区	更改文件号	签名	年月日	阶段	标记	重量	比例	X2MG290A-N4LA	
设计	田中明	010919	标准化						1:4	3	
审核											
工艺				批准	朱海军	共 1 张 第 1 张					